

## CURRICULUM VITAE

Name: Hartmut Derendorf

Born: August 6, 1953 in Dortmund, Germany

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Home Address: 8708 SW 42nd Place  
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Present Position: Distinguished Professor and Chairman  
Dept. of Pharmaceutics,  
College of Pharmacy  
University of Florida

Previous Positions:

1993 - 2003 Professor  
Dept. of Pharmaceutics  
College of Pharmacy  
University of Florida

1987 - 1995 Chairman  
1998 - Dept. of Pharmaceutics  
College of Pharmacy  
University of Florida

1987 - 1993 Associate Professor  
Dept. of Pharmaceutics  
College of Pharmacy  
University of Florida

1983 - 1987 Assistant Professor  
Dept. of Pharmaceutics  
College of Pharmacy  
University of Florida

## **Education**

- 1972 - 1976            B.S. in Pharmacy,  
University of Münster, Germany
- 1977                    Registered Pharmacist
- 1977 - 1979            Graduate Study of Pharmacy at University  
of Münster, Germany
- 1979                    Dr. rer. nat. (Ph.D.) with a  
dissertation on "Biopharmaceutical  
investigations of weak analgesics"  
(summa cum laude)
- 1979 - 1980            Assistant Scientist  
Institute for Pharmaceutical Chemistry,  
University of Münster
- 1981 - 1982            Postdoctoral Fellow with E.R. Garrett,  
College of Pharmacy, University of  
Florida

## **Awards**

- 1980                    Award for the best dissertation  
University of Münster, Germany
- 1983                    Rottendorf-Award for Outstanding Research in  
the Area of Pharmaceutical Sciences
- 1988                    Fellow of the American College of Clinical  
Pharmacology (ACCP)
- 1994                    McKeen-Cattell-Award for best publication in  
the Journal of Clinical Pharmacology
- 1995                    Teaching Improvement Award, University of  
Florida
- 1996                    Fellow of the American Association of  
Pharmaceutical Scientists (AAPS)
- 2000                    Honorary Regent, American College of Clinical  
Pharmacology
- 2001                    Honorary Fellowship, Slovakian Chemotherapy  
Society
- 2002                    University of Florida Research Foundation  
Professorship
- 2003                    Nathaniel T. Kwit Distinguished Service  
Award, American College of Clinical  
Pharmacology

- 2003 Research Achievement Award in Clinical Sciences, American Association of Pharmaceutical Scientists
- 2004 International Educator of the Year Award University of Florida
- 2005 Faculty Award in Pharmaceutical Sciences University of Utrecht, The Netherlands
- 2005 International Educator of the Year Award University of Florida
- 2007 CVS Professorship, College of Pharmacy, University of Florida
- 2007 International Educator of the Year Award University of Florida

### **Teaching Experience**

- 1983 - present Teacher for Biopharmaceutics, Pharmacokinetics (undergraduate and graduate courses) and Clinical Pharmacokinetics, University of Florida
- 1990 - present Adjunct Professor for Pharmacokinetics at the Federal University of Rio Grande do Sul, Porto Alegre, Brazil
- 1981 - present Instructor at more than 20 courses on Pharmacokinetics, Biopharmaceutics and Clinical Pharmacokinetics in Germany, England, Brazil and U.S.A
- 1983 - 1990 Adjunct Lecturer for Pharmacokinetics and Biopharmaceutics at the University of Münster, Germany
- 1977 - 1980 Teaching assistant for courses in Medicinal Chemistry, Pharmacology for Pharmacists, Biochemistry for Pharmacists and Analytical Chemistry at University of Münster; Teacher for Pharmacology for Pharmacists at University of Münster; Teacher for Pharmacology and Toxicology at Schools for Pharmacy Technicians in Münster and Osnabrück

### **Textbooks**

- 1983 H. Derendorf, *Drugs - Applied Pharmacology for Pharmacists and Pharmacy Technicians (in German)*, 280 p., Deutscher Apotheker-Verlag, Stuttgart, Germany
- 1987 H. Derendorf and E.R. Garrett, *Pharmacokinetics - Introduction into Theory and Practice" (in German)*, 175 p., Deutscher Apotheker -Verlag, Stuttgart, Germany
- 1988 H. Derendorf, *Drugs - Applied Pharmacology for Pharmacists and Pharmacy Technicians (in German)*, 4th edition, 286 p., Deutscher Apotheker Verlag, Stuttgart, Germany
- 1994 H. Derendorf, *Drugs - Applied Pharmacology for Pharmacists and Pharmacy Technicians (in German)*, 5th edition, 264 p., Deutscher Apotheker Verlag, Stuttgart, Germany
- 1995 E. Mutschler and H. Derendorf, *Drug Actions (in English)*, 799 p., Deutscher Apotheker Verlag, Stuttgart, Germany
- 1995 H. Derendorf and G. Hochhaus, *Handbook of Pharmacokinetic-Pharmacodynamic Correlations (in English)*, 483 p., CRC Press, Boca Raton, Florida
- 1997 J. Framm, M. Schäfer, H. Derendorf, *Pharmaceutical Care (in German)*, 118 p., Deutscher Apotheker Verlag, Stuttgart, Germany
- 1998 H. Derendorf, M. Schmidt, *Drugs - Applied Pharmacology for Pharmacists and Pharmacy Technicians (in German)*, 6th edition, 269 p., Deutscher Apotheker Verlag, Stuttgart, Germany
- 1998 J. Framm, M. Anschütz, H. Derendorf, D. Hammersdorfer, E. Heydel, A. Mehrwald, G. Schomaker, *Drug Profiles (in German)*, 252 p., Deutscher Apotheker Verlag, Stuttgart, Germany
- 2001 J. Framm, M. Anschütz, H. Derendorf, D. Hammersdorfer, E. Heydel, A. Mehrwald, G. Schomaker, *Drug Profiles (in German)*, 2<sup>nd</sup> edition, 294 p., Deutscher Apotheker Verlag, Stuttgart, Germany
- 2002 H. Derendorf, T. Gramatte, H.G. Schaefer, *Pharmacokinetics - Introduction into Theory and Practice" (in German)*, 2<sup>nd</sup> edition, 175

- p., Deutscher Apotheker -Verlag, Stuttgart, Germany
- 2002 J. Framm, D. Placek, M. Anschutz, H. Derendorf, D. Hammersdorfer, E. Heydel, A. Mehrwald, G. Schomaker, Profily leziv (Drug Profiles, in Czech), 277 p., Grada Publishing, Prague, Czech Republic
- 2003 H. Derendorf, M. Schulz, R. Wemhöner Pharmacology for Pharmacists and Pharmacy Technicians (in German), 7th edition, 304 p., Deutscher Apotheker Verlag, Stuttgart, Germany

### **Present Research Interest**

Pharmacokinetics and pharmacodynamics of glucocorticoids and antibiotics drugs.

Use of pharmacokinetic/pharmacodynamic modeling in drug development.

### **Affiliations**

American College of Clinical Pharmacology  
American Association of Pharmaceutical Scientists  
American Pharmaceutical Association  
Florida Pharmacy Association  
German Pharmaceutical Society  
American Society for Clin. Pharmacology and Therapeutics  
American Association of Colleges of Pharmacy  
American Society for Microbiology  
European Society for Biomodulation and Chemotherapy  
International Society for Anti-infective Pharmacology  
Phi Lamda Sigma

### **Other Activities**

President, American College of Clinical Pharmacology (2006-2008)

President, International Society for Anti-infective Pharmacology (2004-2006)

Member, Scientific Organizing Committee, 2<sup>nd</sup> Symposium on Antimicrobial resistance in Animals and the Environment, Tours (2007)

Co-Chair, EUFEPS Conference on Optimizing Drug Discovery and Development- Integrating Systems Approaches into Pharmaceutical Sciences, Basel (2007)

Member, Program Committee, Pharmaceutical Sciences World Congress, Amsterdam (2007)

Member, Advisory Committee for Pharmaceutical Science Clinical Pharmacology Subcommittee, FDA (2002-2006)

Member, Scientific Advisory Board, Bavarian Academy of Clinical Pharmacy (2006-present)

Program Chairman, National Meeting of the American College of Clinical Pharmacology (2003)

Member of the International Pharmaceutical Education Advisory Committee of the American Association of Colleges of Pharmacy (2001-03)

Chair, AAPS Microdialysis Focus Group (2003)

Secretary, American College of Clinical Pharmacology (1996-00)

Council Member, International Society for Anti-infective Pharmacology (1999-02)

Member of the Board of Regents, American College of Clinical Pharmacology (1991-00)

Member of the FDA Expert Panel on Oral Inhalation and Nasal Drug Products (OINDP) (1999-00)

Member of AAPS/PPDM Program Committee (1996/97)

Member, National RCMI Advisory Board, Florida A&M University (1992-05).

Member of Credentials Committee, American College of Clinical Pharmacology (1990-00).

Member of the Nutrition and Therapeutics Integrated Project Team of the NASA-JSC Space Medicine Program (1997-04).

Member of the AAPS Globalization Committee (1995)

National Chair of the AACP Meeting of Department Chairs of  
Pharmaceutics (1992).

Member of the Graduate Education and Research Committee  
(PDD) of the American Association of Pharmaceutical  
Scientists (1992-1993).

Program Chairman, National Meeting of the American College  
of Clinical Pharmacology (1992).

Chairman, Southeastern Regional Meeting of the American  
Association of Pharmaceutical Scientists 1991 and 1992.

President of the Southeastern Chapter of the American  
College of Clinical Pharmacology (1990-91).

Member of Scientific Excellence Committee, American  
Association of Pharmaceutical Scientists (1990-91).

Member of Scientific Program Committee, American College of  
Clinical Pharmacology (1989-1992, 1997).

Reviewer for J. Pharm. Sci., Int. J. Pharm., Pharm. Res., J.  
Pharmacokin. Biopharm., Life Sci., Biopharm. Drug Disp. and  
J. Pharm. Biomed. Anal.

Member of several ad-hoc NIH Study Sections (NCI, NIAID).  
Grant-Reviewer for the National Science Foundation.  
Grant Reviewer for the Italian Ministry for University and  
Research.

Book-Reviewer for Am. J. Pharm. Ed., J. Am. Chem. Soc. and  
J. Pharm. Sci.

### **Editorial Advisory Boards**

Editor, International Journal of Clinical Pharmacology and  
Therapeutics

US-Editor, Editorial Board, Die Pharmazie.

Associate Editor, Journal of Clinical Pharmacology.

Member, Honorary Editorial Board, Clinical Pharmacokinetics.

Member, Editorial Board, Journal of Pharmacokinetics and  
Pharmacodynamics.

Member, Editorial Advisory Board, European Journal of  
Pharmaceutical Sciences.

Member, Editorial Board, Journal of Pharmaceutical Sciences

Member, Editorial Board, Antimicrobial Agents and  
Chemotherapy

Member, Editorial Board, Planta Medica

Member, Executive Editorial Board, Research Communications  
in Pharmacology and Toxicology.

Member, Editorial Board, Clinical Research and Regulatory  
Affairs.

### **Patents**

H. Derendorf, M. Müller: Patent US 6,904,309 B2 (June 7,  
2005), Microdialysis probes and methods of use.

### List of Publications

1. P. Rohdewald, H. Derendorf, C.E. Elger, O. Knoll  
Quantification of the attenuation of pain sensation  
through evoked potentials after the application of mild  
analgesics.  
Z. EEG-EMG 11, 199-204 (1980).
2. H. Derendorf  
Electroencephalography in drug research.  
Dtsch. Apoth. Ztg. 120, 1474-1476 (1980).
3. H. Derendorf, P. Rohdewald  
Pharmaceutical availability of analgesic derivatives of  
salicylic acid.  
Dtsch. Apoth. Ztg. 121, 493-498 (1981).
4. H. Derendorf, P. Rohdewald  
Pharmaceutical availability of analgesic derivatives of  
pyrazolone.  
Dtsch. Apoth. Ztg. 121, 549-552 (1981).
5. H. Derendorf, P. Rohdewald  
Measurement of analgesic action by subjective and  
objective parameters.  
In "Pain research - Pain measurement - Chest pain", ed.  
by A. Struppler and M. Gessler, pg. 143-150, Springer  
(1981).
6. H. Derendorf, P. Rohdewald  
Pharmaceutical availability of analgesic derivatives of  
p-aminophenol in tablets.  
Dtsch. Apoth. Ztg. 121, 653-656 (1981).
7. P. Rohdewald, H. Derendorf, C.E. Elger, O. Knoll  
Evoked potentials as objective parameters for the  
analgesic response of weak analgesics.  
Adv. in Neurology 32, 375-381 (1982).
8. P. Rohdewald, H. Derendorf, G. Drehsen, C.E. Elger, O.  
Knoll  
Changes in cortical evoked potentials as correlates of  
the efficacy of weak analgesics.  
Pain 12, 329-341 (1982).
9. H. Derendorf, G. Drehsen, P. Rohdewald  
Cortical evoked potentials and saliva levels as basis  
for the comparison of pure analgesic to analgesic  
combinations.  
Pharmacology 25, 227-236 (1982).

10. H. Derendorf  
Phencyclidine - angel dust or devil's drug?  
Dtsch. Apoth. Ztg. 122, 2642-2646 (1982).
11. H. Derendorf, E.R. Garrett  
HPLC-Assay of methadone, phencyclidine and metabolites  
by post-column ion-pair extraction and "on-line"  
fluorescence detection of the counter-ion with  
applications.  
J. Pharm. Sci. 72, 630-635 (1983).
12. P. Rohdewald, G. Drehsen, E. Milsmann, H. Derendorf  
Relationship between saliva levels of metamizol  
metabolites, bioavailability and analgesic efficacy.  
Arzneimittelforschung (Drug Research) 33(II), 985-988  
(1983).
13. H. Derendorf, G. Drehsen, P. Rohdewald  
In vivo- in vitro- correlations of salicylate saliva  
levels and continuous flow cell dissolution rates.  
Int. J. Pharm. 15, 167-175 (1983).
14. H. Derendorf, A.A. El-Koussi, E.R. Garrett  
Electrochemical chromatographic determination of  
morphine - antagonists in biological fluids with  
applications.  
J. Pharm. Sci. 73, 621-624 (1984).
15. H. Derendorf, G. Drehsen, P. Rohdewald  
Antipyrine - new light on an old drug.  
Pharm. Res. 1, 225-229 (1984).
16. P. Rohdewald, G. Drehsen, H. Derendorf  
Phenazone, the underestimated analgesic.  
Pharm. Ztg. 129, 552-558 (1984).
17. G. Drehsen, H. Derendorf, P. Rohdewald  
Pain relief- but when ?  
Münch. Med. Wschr. 126, 736-738 (1984).
18. P. Rohdewald, J. Rehder, G. Drehsen, G. Hochhaus, H.  
Derendorf, H. Möllmann  
Simultaneous determination of glucocorticoid alcohols,  
their succinates and hydrocortisone in plasma.  
J. Pharm. Biomed. Anal. 3, 565-573 (1985).

19. H. Derendorf, H. Möllmann, P. Rohdewald, J. Rehder, E.W. Schmidt  
Kinetics of methylprednisolone and its hemisuccinate ester.  
Clin. Pharm. Ther. 37, 502-507 (1985).
20. R.L. Yost, H. Derendorf  
Rapid chromatographic determination of cefotaxime and its metabolite in biological fluids.  
J. Chromatogr. 341, 131-138 (1985).
21. H. Derendorf, P. Rohdewald, H. Möllmann, J. Rehder, J. Barth, D. Neveling  
Pharmacokinetics of prednisolone after high doses of prednisolone hemisuccinate.  
Biopharm. Drug Disp. 6, 423-432 (1985).
22. E.R. Garrett, H. Derendorf, A. Mattha  
Pharmacokinetics of morphine and its surrogates VI: HPLC-Analyses and pharmacokinetics of methadone and its derived metabolites in dogs.  
J. Pharm. Sci. 74, 1203-1214 (1985).
23. H. Möllmann, P. Rohdewald, E.W. Schmidt, V. Salomon, H. Derendorf  
Pharmacokinetics of triamcinolone acetonide and its phosphate ester.  
Eur. J. Clin. Pharmacol. 29, 85-89 (1985).
24. P. Rohdewald, H. Derendorf, G. Drehsen, H.W. Granitzki, E. Neddermann  
The attenuation of experimental pain by pyrazolones.  
In "100 years pyrazolones", ed. by K. Brune and R. Lanz, Urban & Schwarzenberg, pg. 61-67 (1985).
25. H. Möllmann, J. Barth, K.M. Müller, P. Rohdewald, A. Grüner, H. Derendorf  
Pulmonary complications in intensive care patients-therapeutic approaches for the treatment of ARDS  
BGA-Schriften 486, 193-207 (1986).
26. H. Derendorf, P. Rohdewald, G. Hochhaus, H. Möllmann  
HPLC determination of glucocorticoid alcohols, their phosphates and hydrocortisone in aqueous solutions and biological fluids.  
J. Pharm. Biomed. Anal. 4, 197-206 (1986).

27. H. Derendorf, G. Mullersman, J. Barth, A. Grüner, H. Möllmann  
Pharmacokinetics of diclofenac sodium after intramuscular administration in combination with triamcinolone acetate.  
Eur. J. Clin. Pharmacol. 31, 363-365 (1986).
28. G. Mullersman, H. Derendorf  
Ranitidine - rapid analysis in biological fluids and determination of erythrocyte partitioning.  
J. Chromatogr. 381, 385-391 (1986).
29. G. Mullersman, V.P. Gotz, W.L. Russell, H. Derendorf  
Lack of clinically significant in vitro and in vivo interactions between ranitidine and sucralfate.  
J. Pharm. Sci. 75, 995-998 (1986).
30. R.L. Yost, H. Derendorf  
Pharmacokinetics of cefotaxime and its metabolite in normal and morbidly obese patients.  
Ther. Drug Monitor. 8, 189-194 (1986).
31. H. Derendorf, H. Möllmann, A. Grüner, D. Haack, G. Gyselby  
Pharmacokinetics and pharmacodynamics of glucocorticoid suspensions after intraarticular administration.  
Clin. Pharm. Ther. 39, 313-317 (1986).
32. H. Möllmann, J. Rehder, P. Rohdewald, B.E. Braun, J. Barth, H. Derendorf, B. Holtmann, A. Grüner  
Exogenous and endogenous glucocorticoid plasma level after intramuscular administration of diclofenac and triamcinolone diacetate  
Med. Welt 37, 371-377 (1986).
33. H. Möllmann, J. Barth, D. Haack, A. Grüner, D. Stroband  
G. Gyselby, P. Rohdewald, H. Derendorf  
Comparison of the kinetics and dynamics of intraarticular glucocorticoid suspensions.  
Akt. Rheumatol. 11, 55-60 (1986).
34. H. Derendorf, M. Kaltenbach  
Coulometric high-performance liquid chromatographic-analysis morphine in biological fluids.  
J. Pharm. Sci. 75, 1198-1200 (1986).

35. P. Rohdewald, H. Möllmann, J. Barth, J. Rehder, H. Derendorf  
Pharmacokinetics of dexamethasone and its phosphate ester.  
Biopharm. Drug Disp. 8, 205-212 (1987).
36. S.A. Stout, H. Derendorf  
Local treatment of respiratory infections with antibiotics.  
Drug Intel. Clin. Pharm. 21, 322-329 (1987).
37. H. Derendorf  
Erythrocyte - binding of cephalosporins.  
J. Pharm. Pharmacol. 39, 129-131 (1987).
38. P. Rohdewald, J. Rehder, H. Möllmann, J. Barth, H. Derendorf  
Pharmacokinetics and pharmacodynamics of prednisolone after extremely high doses of prednisolone hemisuccinate.  
Arzneimittelforschung (Drug Research), 37 (I), 194-198 (1987).
39. G. Mullersman, S. Toufflin, H. Derendorf  
HPLC analysis of buprenorphine in plasma and urine using coulometric detection.  
J. Pharm. Biomed. Anal. 5, 303-308 (1987).
40. S.A. Stout, C.M. Riley, H. Derendorf  
The correlation between the pharmacokinetics of melphalan and the pharmacodynamic response of neuroblastoma cells treated in vitro.  
Proc. Biopharm. Pharmacokin. II, 252-260 (1987).
41. H. Derendorf  
Pharmacokinetic evaluation of cefotaxime in normal and obese subjects.  
Proc. Biopharm. Pharmacokin. III, 11-18 (1987).
42. H. Möllmann, P. Rohdewald, J. Barth, H. Derendorf  
Effect of high doses of glucocorticoids on the kinetics of human white blood cells in vivo.  
Med. Klinik 83, 159-163 (1988).
43. G. Mullersman, H. Derendorf, M.E. Brewster, K.S. Estes, N. Bodor  
HPLC-Assay of a CNS directed estradiol chemical delivery system and its application after intravenous administration to rats.  
Pharm. Res. 5, 172-177 (1988).

44. H. Möllmann, P. Rohdewald, J. Barth, H. Derendorf, C. Möllmann, M. Verho.  
Comparative pharmacokinetics of methylprednisolone phosphate and hemisuccinate in high doses.  
Pharm. Res. 5, 509-513 (1988).
45. L.A. Berglund, H. Derendorf, J.W. Simpkins  
Desensitization of brain opiate receptor mechanisms by gonadal steroid treatments that stimulate luteinizing hormone secretion.  
Endocrinology 122, 2718-2726 (1988).
46. R.W. Townsend, V. Keuth, K. Embil, G. Mullersman, J.H. Perrin, H. Derendorf  
High-performance liquid chromatographic determination of conjugated estrogens in tablets.  
J. Chromatogr. 450, 414-419 (1988).
47. J. Limberg, H. Derendorf  
Pharmacy education in the U.S.A.  
Deut. Apoth. Ztg. 128, 2458-2461 (1988).
48. E.W. Schmidt, H.W. Möllmann, B.E. Braun, J. Barth, H. Derendorf  
Circadian theophylline levels after single and multiple administration of a sustained released dosage form.  
Therapiewoche 38, 2046-2051 (1988).
49. M.E. Brewster, K.S. Estes, T. Loftsson, R. Perchalski  
H. Derendorf, G. Mullersman, N. Bodor  
Improved delivery through biological membranes XXXI: Solubilization and stabilization of an estradiol chemical delivery system by modified  $\beta$ -cyclodextrins.  
J. Pharm. Sci. 77, 981-985 (1988).
50. H. Derendorf  
Pharmacokinetic evaluation of  $\beta$ -lactam antibiotics.  
J. Antimicrob. Chemother. 24, 407-413 (1989).
51. H. Möllmann, J. Barth, D. Schött, W.T. Ulmer, H. Derendorf, G. Hochhaus  
Differential therapeutic aspects of the treatment of toxic gas poisoning with glucocorticoids.  
Intensivmed. 26, 2-15 (1989).

52. M.E. Brewster, T. Loftsson, K.E. Estes, G. Mullersman, H. Derendorf, N. Bodor  
Water soluble complexes of a brain-targeted drug delivery system.  
Proc. Intl. Symp. Cyclodextr. 4, 399-405 (1989).
53. H. Möllmann, P. Rohdewald, J. Barth, M. Verho, H. Derendorf  
Pharmacokinetics and dose linearity testing of methylprednisolone phosphate.  
Biopharm. Drug Disp. 10, 453-464 (1989).
54. H. Derendorf, H. Möllmann, P. Rohdewald, D. Strohsand, J. Barth, G. Hochhaus  
Pharmacokinetic aspects of intra-articular administration of glucocorticoids.  
in Willert, Heuck (ed.), New Results in Osteology, Springer, Berlin, pp. 474-481 (1989).
55. J. Barth, H.W. Möllmann, H. Derendorf, G. Hochhaus  
Pharmacodynamic interactions in systemic glucocorticoid therapy.  
in Willert, Heuck (ed.), New Results in Osteology, Springer, Berlin, pp. 533-541 (1989).
56. J. Barth, A. Möllmann, G. Hochhaus, H. Derendorf, H.W. Möllmann  
Absorption and transfer of water-soluble glucocorticoids through pulmonary membranes.  
Atemw.-Lungenkrkh. 15, 412-416 (1989).
57. E.W. Schmidt, H. Derendorf, B. Rasche, H.W. Möllmann  
Clinical and pharmacokinetic evaluation for the replacement therapy of  $\alpha_1$ -protease-inhibitor in patients with congenital  $\alpha_1$ -protease-inhibitor deficiency and lung emphysema.  
Atemw.-Lungenkrkh. 15, 479-488 (1989).
58. H.G. Schaefer, D. Harrison, M.P. Hocking, J. Limberg, H. Derendorf  
Effect of truncal vagotomy and partial gastrectomy on the pharmacokinetics of propranolol enantiomers in dogs.  
J. Pharm. Sci. 79, 292-294 (1990).
59. H. Schreier, G. Hochhaus, R.J. Pranker, H. Derendorf, M.E. Brewster, R.A. Baughman  
Pharmaceutical Biotechnology: A new graduate course at the University of Florida College of Pharmacy.  
Am. J. Pharm. Educ. 54, 46-50 (1990).

60. J. Limberg, M. LeBel, H. Derendorf  
Evaluation of free tissue concentrations of fleroxacin after oral administration.  
Pharm. Res. 7, 422-424 (1990).
61. E. Brunt, J. Limberg, H. Derendorf  
High performance liquid chromatographic-assay and erythrocyte partitioning of fleroxacin, a new fluoroquinolon antibiotic.  
J. Pharm. Biomed. Anal. 8, 67-71 (1990).
62. H. Derendorf, H. Möllmann, J. Barth  
Comparative pharmacokinetic evaluation of glucocorticoids after intraarticular administration.  
Akt. Rheumatol. 15, 145-153 (1990).
63. F.F.T. Ververs, H.G. Schaefer, J.F. Lefevre, L.M. Lopez, H. Derendorf  
Simultaneous HPLC-assay of propranolol, diltiazem and diltiazem-metabolites in human plasma with application.  
J. Pharm. Biomed. Anal. 8, 535-539 (1990).
64. P. Adland-Davenport, M.P. Brown, J.D. Robinson, H. Derendorf  
Pharmacokinetics of amikacin in critically ill neonatal foals treated for presumed or confirmed sepsis.  
Equine Vet. J. 22, 18-22 (1990).
65. H. Derendorf, H. Möllmann, G. Voortman, F.A. van den Ouweland, L.B.A. van de Putte, G. Gevers, J. Dequeker, E. van Vliet-Daskalopoulou  
Pharmacokinetics of rimexolone after intra-articular administration.  
J. Clin. Pharmacol. 30, 476-479 (1990).
66. K. Dietzel, V. Keuth, K.S. Estes, M.E. Brewster, R. Clemmons, R. Vistelle, N.S. Bodor, H. Derendorf  
A redox-based system that enhances delivery of estradiol to the brain: Pharmacokinetic evaluation in the dog.  
Pharm. Res. 7, 879-883 (1990).
67. H.G. Schaefer, H. Spahn, L.M. Lopez, H. Derendorf  
Simultaneous determination of propranolol and 4-hydroxypropranolol enantiomers after chiral derivatization using reversed phase high-performance liquid chromatography.  
J. Chromatogr. 527, 351-359 (1990).

68. J. Limberg, D. Harrison, M.P. Hocking, H. Derendorf  
Theophylline absorption and gastric emptying after  
partial gastrectomy in dogs.  
J. Pharm. Sci. 79, 968-969 (1990).
69. M. Kaltenbach, S.H. Curry, H. Derendorf  
Extent of drug absorption at the time of peak plasma  
concentration in an open one-compartment body model  
with first-order absorption.  
J. Pharm. Sci. 79, 462 (1990).
70. K. Dietzel, K.S. Estes, M.E. Brewster, N.S. Bodor, H.  
Derendorf  
The use of hydroxypropyl- $\beta$ -cyclodextrin as a vehicle  
for intravenous administration of dexamethasone in  
dogs.  
Int. J. Pharm. 59, 225-230 (1990).
71. J. Barth, H. Fett, M. Pörtner, B.E. Braun, H. Möllmann,  
P. Rohdewald, J. Krämer, H. Derendorf  
Exogenous and endogenous glucocorticoid levels after  
epidural administration of glucocorticoid crystal  
suspensions in different volumes.  
Orthop. Praxis 26, 729-736 (1990).
72. H. Möllmann, B. Armbruster, J. Barth, H. Derendorf,  
O.W. Flörke, G. Hochhaus, C.R. Möllmann, P. Rohdewald,  
E.W. Schmidt  
Distribution and aggregation of crystals in  
glucocorticoid suspensions.  
Akt. Rheumatol. 15, 101-124 (1990).
73. C.D. Hepler, L.M. Strand, H. Derendorf  
The pharmacist and pharmaceutical care - future  
opportunities and responsibility.  
Pharmazeutische Zeitung 135, 3087-3092 (1990).
74. K.S. Estes, V. Keuth, K. Dietzel, M.E. Brewster, N.S.  
Bodor, H. Derendorf  
A redox-based chemical delivery system that enhances  
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## List of Papers Presented at Meetings

1. H. Derendorf, P. Rohdewald  
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4th Meeting on the Pain Society of Germany, Austria and Switzerland, Munich,  
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2. P. Rohdewald, H. Derendorf, C.E. Elger, O. Knoll  
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analgesics.  
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3. H. Derendorf, E.R. Garrett  
HPLC of methadone, its major metabolite and cocaine using a post-column extraction  
of a fluorescent ion-pair.  
31st National Meeting of the American Pharmaceutical Association Academy of  
Pharmaceutical Sciences, Orlando, November 1981
4. H. Derendorf, E.R. Garrett  
Determination of morphine-antagonists in biological fluids using HPLC with  
electrochemical detection.  
31st National Meeting of the American Pharmaceutical Association Academy of  
Pharmaceutical Sciences, Orlando, November 1981
5. H. Derendorf, G. Drehsen, P. Rohdewald  
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potentials.  
83rd Annual Meeting of the American Society of Clinical Pharmacology and  
Therapeutics, Lake Buena Vista, March 1982
6. H. Derendorf, G. Drehsen, P. Rohdewald  
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1st General Conference on Pharmaceutical Sciences, Munich, April 1983
7. P. Rohdewald, H. Möllmann, E.W. Schmidt, G. Drehsen, H. Derendorf  
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8. H. Derendorf, A.A. El-Koussi, E.R. Garrett  
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9. P. Rohdewald, H. Derendorf, G. Drehsen, C.E. Elger, O. Knoll  
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10. H. Derendorf, G. Hochhaus, H. Möllmann, P. Rohdewald  
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fluids.  
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Pharmaceutical Sciences, Miami, November 1983
11. H. Derendorf, G. Drehsen, P. Rohdewald  
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85th Annual Meeting of the American Society for Clinical Pharmacology and  
Therapeutics, Atlanta, March 1984
12. H. Derendorf, H. Möllmann, P. Rohdewald  
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ester.  
131st Annual Meeting of the American Pharmaceutical Association, Montreal, May  
1984
13. P. Rohdewald, H. Derendorf, H. Möllmann, J. Rehder, E.W. Schmidt  
Pharmacokinetics of water soluble glucocorticoids.  
Annual Meeting of the German Pharmaceutical Association, Dusseldorf, September  
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14. H. Derendorf, R.L. Yost  
Determination of cephalosporins and their metabolites in biological fluids.  
37th National Meeting of the American Pharmaceutical Association Academy of  
Pharmaceutical Sciences, Philadelphia, October 1984

15. H. Derendorf, H. Möllmann, P. Rohdewald  
Pharmacokinetics of glucocorticoids following the application of high doses of water soluble glucocorticoids.  
7th European Workshop on Inflammation, Capri, April 1985
16. R.L. Yost, H. Derendorf, M.B. Affrime  
Pharmacokinetics of cefotaxime and its metabolite in normal and morbidly obese subjects.  
Annual meeting of the American College of Clinical Pharmacy, Orlando, July 1985
17. H. Derendorf, H. Möllmann, P. Rohdewald  
Pharmacokinetics of high dose glucocorticoids  
45th International Congress of Pharmaceutical Sciences of F.I.P., Montreal, September 1985
18. H. Derendorf, M. Kaltenbach  
Coulometric HPLC analysis of morphine in biological fluids.  
International Symposium on Drug Analysis, Ottawa, September 1985
19. R. Townsend, J.H. Perrin, H. Derendorf  
HPLC - Determination of free and conjugated estrogens in tablets.  
133rd Annual Meeting of the American Pharmaceutical Association, San Francisco, March 1986
20. H. Derendorf, H. Möllmann, P. Rohdewald, G. Gyselby  
Pharmacokinetics and pharmacodynamics of glucocorticoid suspensions after intraarticular administration.  
133rd Annual Meeting of the American Pharmaceutical Association, San Francisco, March 1986
21. H. Derendorf  
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19th Annual Higuchi Research Seminar, Lake Ozark, March 1986
22. H. Derendorf, M. Kaltenbach, G. von der Lippe  
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23. G. Mullersman, V.P. Gotz, W.L. Russell, H. Derendorf  
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24. G. Mullersman, H. Möllmann, A. Gruner, H. Derendorf  
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25. G. Mullersman, V. Gotz, H. Derendorf  
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26. G. Mullersman, S. Toufflin, H. Derendorf  
Coulometric HPLC-Analysis of buprenorphine  
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27. M. Butschkau, J.H. Perrin, H. Derendorf  
HPLC - determination, erythrocyte binding and relative bioavailability of codeine.  
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28. H. Derendorf, R. Townsend, K. Embil  
HPLC - determination of conjugated estrogens.  
Meeting of the Austrian and German Pharmaceutical Association, Innsbruck, September 1986
29. H. Derendorf, G. Mullersman, M.E. Brewster, K.S. Estes, N.S. Bodor  
Pharmacokinetics and pharmacodynamics of a brain-specific estradiol chemical delivery system.  
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30. H. Derendorf, M. Butschkau, J.H. Perrin  
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Annual Meeting of the American Association of Pharmaceutical Scientists,  
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In vitro and in vivo interactions between ranitidine and sucralfate.  
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Pharmacokinetics of diclofenac after intramuscular administration in combination  
with triamcinolone acetate.  
Annual Meeting of the American Association of Pharmaceutical Scientists,  
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33. G. Mullersman, S. Toufflin, H. Derendorf  
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34. S.A. Stout, D. Worthington-White, C.M. Riley, H. Derendorf  
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88th Annual Meeting of the American Society of Clinical Pharmacology and  
Therapeutics, Orlando, March 1987
35. H. Derendorf, H. Möllmann, P. Rohdewald  
Pharmacokinetics and pharmacodynamics of high-dose glucocorticoid esters.  
88th Annual Meeting of the American Society of Clinical Pharmacology and  
Therapeutics, Orlando, March 1987
36. H. Derendorf  
Pharmacokinetics and pharmacodynamics of a chemical delivery system for estradiol.  
20th Annual Higuchi Research Seminar, Lake Ozark, March 1987
37. H. Derendorf  
Pharmacokinetics of glucocorticoids.  
Workshop on Glucocorticoids in Rheumatology and Orthopedics, Rottach-Egern, April  
1987
38. S. A. Stout, C. M. Riley, H. Derendorf  
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response of neuroblastoma cells treated in vitro.  
3rd European Congress of Biopharmaceutics and Pharmacokinetics, Freiburg, April  
1987
39. H. Derendorf  
Pharmacokinetic evaluation of cefotaxime in normal and obese subjects.  
3rd European Congress of Biopharmaceutics and Pharmacokinetics, Freiburg, April  
1987
40. S.A. Stout, C.M. Riley, H. Derendorf  
In vitro pharmacokinetics and pharmacodynamics of melphalan.  
Biennial Conference on Chemotherapy of Infectious Diseases and Malignancies,  
Munich, April 1987
41. H. Derendorf  
Estimation of free tissue levels for the pharmacokinetic evaluation of  
antibiotics.  
Biennial Conference on Chemotherapy of Infectious Diseases and Malignancies,  
Munich, April 1987
42. H. Derendorf  
Pharmacokinetic significance of free tissue levels.  
Interscience Conference on Antimicrobial Agents and Chemotherapy, New York,  
October 1987
43. H. Derendorf  
Pharmacokinetic criteria for the evaluation of beta-lactam antibiotics.  
American Association of Pharmaceutical Scientists Western Regional Meeting, Reno,  
February 1988

44. H. Derendorf, H. Möllmann, P. Rohdewald  
Pharmacokinetics and pharmacodynamics of methylprednisolone phosphate and hemisuccinate.  
89th Annual Meetings of the American Society of Clinical Pharmacology and Therapeutics, San Diego, March 1988
45. H. Derendorf  
Estimation of free tissue levels of antibiotics.  
21st Annual Higuchi Research Seminar, Lake Ozark, March 1988
46. M.E. Brewster, K.S. Estes, T. Loftsson, G. Mullersman,  
H. Derendorf, R. Perchalski, N. Bodor  
Chemical and biological properties of a 2-hydroxy-propyl- $\beta$ -cyclodextrin complex of an estradiol chemical delivery system.  
4th International Symposium on Cyclodextrins, Munich, April 1988
47. K.S. Estes, H. Derendorf, M.E. Brewster, N. Bodor  
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Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1988
48. H. Derendorf, H. Möllmann, P. Rohdewald, C. Möllmann, J. Barth  
Clinical pharmacodynamics of methylprednisolone phosphate.  
Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1988
49. J. Barth, A. Fett, M. Pörtner, B.E. Braun, H.W. Möllmann, J. Krämer, P. Rohdewald, H. Derendorf  
Pharmacokinetics of two glucocorticoid suspensions after epidural administration.  
Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1988
50. H. Derendorf, K.S. Estes, R. Vistelle, M.E. Brewster, R. Clemmons, N. Bodor  
Pharmacokinetics of an estradiol chemical delivery system in dogs.  
Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1988
51. H. Möllmann, P. Rohdewald, J. Barth, C. Möllmann, H. Derendorf  
Comparison of pharmacokinetic and pharmacodynamic properties of high doses of methylprednisolone prodrugs.  
Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1988
52. E. Brunt, J. Limberg, H. Derendorf  
HPLC-assay, protein binding and red blood cell partitioning of fleroxacin.  
Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1988
53. H. Derendorf, H. Möllmann, P. Rohdewald, D. Stroband  
Comparison of pharmacokinetic properties of several glucocorticoids after intraarticular administration.  
Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1988
54. C.J. Betlach, A. Cohen, W. Huang, H. Derendorf, M.A. Gonzalez  
The multiple dose pharmacokinetics of two 24 hour theophylline tablets in normal subjects.  
45th Annual Congress of the American College of Allergy and Immunology, Los Angeles, November 1988
55. H. Möllmann, H. Derendorf, G. Hochhaus, J. Barth  
Biopharmaceutical and pharmacological aspects of locally and systemically administered glucocorticoids.  
4th Annual Meeting of the German Society for Osteology, Göttingen, February 1989
56. H. Möllmann, H. Derendorf, G. Hochhaus, J. Barth  
Pharmacodynamic and mechanic interactions of locally administered glucocorticoid crystal suspensions.  
4th Annual Meeting of the German Society for Osteology, Göttingen, February 1989
57. J. Barth, H. Möllmann, H. Derendorf, G. Hochhaus  
Pharmacodynamic interactions of systemic glucocorticoid therapy.  
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58. H. Derendorf, H. Möllmann, P. Rohdewald, D. Stroband, J. Barth, G. Hochhaus  
Pharmacokinetic aspects of intraarticular administration of glucocorticoids.  
4th Annual Meeting of the German Society for Osteology, Göttingen, February 1989
59. H. Derendorf  
Pharmacokinetics and pharmacodynamics of glucocorticoids.  
22nd Annual Higuchi Research Seminar, Lake Ozark, March 1989
60. H. Derendorf, J. Limberg, E. Brunt  
Erythrocyte uptake and protein binding of fleroxacin.  
4th European Congress of Clinical Microbiology, Nice, April 1989
61. H. Derendorf, H. Möllmann, P. Rohdewald, C. Möllmann, M. Krieg, S. Tunn, J. Barth, H.J. Röthig  
Clinical pharmacokinetics and pharmacodynamics of methylprednisolone phosphate.  
4th World Conference on Clinical Pharmacology and Therapeutics, Mannheim-Heidelberg, July 1989
62. G. Hochhaus, H. Derendorf, H. Möllmann, C. Möllmann, M. Krieg, S. Tunn, J. Barth, H.J. Röthig  
Comparison of the clinical pharmacodynamics of dexamethasone, methylprednisolone and triamcinolone acetonide.  
4th World Conference on Clinical Pharmacology and Therapeutics, Mannheim-Heidelberg, July 1989
63. H. Möllmann, J. Barth, H. Derendorf, G. Hochhaus  
Time course of bronchospasmodic effects after injection of different water-soluble glucocorticoids.  
4th World Conference on Clinical Pharmacology and Therapeutics, Mannheim-Heidelberg, July 1989
64. F.F.T. Ververs, L Lopez, H.G. Schaefer, S. Freyer, H. Derendorf  
Simultaneous HPLC-assay of propranolol, diltiazem and diltiazem-metabolites in human plasma with applications.  
49th International Congress of Pharmaceutical Sciences of F.I.P., Munich, September 1989
65. H. Derendorf, Y.L. Kan, J. Perrin  
Effect of lovastatin on the pharmacokinetics of glipizide.  
49th International Congress of Pharmaceutical Sciences of F.I.P., Munich, September 1989
66. J. Limberg, J. Sastry, N. Bodor, H. Derendorf  
Analysis, stability and receptor binding studies on a chemical delivery system for enkephalins.  
49th International Congress of Pharmaceutical Sciences of F.I.P., Munich, September 1989
67. K.S. Estes, K. Dietzel, M.E. Brewster, N. Bodor, H. Derendorf  
Improved bioavailability of dexamethasone administered intravenously as a water soluble cyclodextrin inclusion complex.  
49th International Congress of Pharmaceutical Sciences of F.I.P., Munich, September 1989
68. K. Dietzel, V. Keuth, K.S. Estes, M. Brewster, N. Bodor, H. Derendorf  
Pharmacokinetics of a chemical delivery system for estradiol in dogs.  
49th International Congress of Pharmaceutical Sciences of F.I.P., Munich, September 1989
69. H.G. Schaefer, H. Spahn, J. Limberg, H. Derendorf  
Effects of partial gastrectomy on the pharmacokinetics of propranolol-enantiomers.  
49th International Congress of Pharmaceutical Sciences of F.I.P., Munich, September 1989
70. H. Derendorf, H. Möllmann  
Clinical pharmacokinetics and pharmacodynamics of methylprednisolone phosphate.  
Annual Meeting of the Southeastern Chapter of the American College of Clinical Pharmacology, Augusta, September 1989.
71. K. Dietzel, K.S. Estes, M.E. Brewster, N.S. Bodor, H. Derendorf  
Dose linearity testing for a chemical delivery system for estradiol in dogs.  
Fourth Annual Meeting of the American Association of Pharmaceutical Scientists, Atlanta, October 1989.

72. K. Dietzel, K.S. Estes, M.E. Brewster, N.S. Bodor, H. Derendorf  
Pharmacokinetics of dexamethasone after intravenous administration of an inclusion complex in  $\beta$ -hydroxypropylcyclodextrin.  
Fourth Annual Meeting of the American Association of Pharmaceutical Scientists, Atlanta, October 1989.
73. H. Derendorf, J. Limberg, J. Sastry, N. Bodor  
Stability and receptor binding of chemical delivery systems for enkephalins.  
Fourth Annual Meeting of the American Association of Pharmaceutical Scientists, Atlanta, October 1989.
74. H. Derendorf, H.G. Schaefer, J. Limberg, D. Harrison, M.P. Hocking  
Effects of partial gastrectomy on the pharmacokinetics of propranolol-enantiomers and theophylline in dogs.  
Fourth Annual Meeting of the American Association of Pharmaceutical Scientists, Atlanta, October 1989.
75. H. Möllmann, J. Barth, E.W. Schmidt, P. Rohdewald, H. Derendorf, G. Hochhaus  
Bronchospasmolytic activity of methylprednisolone in patients with severe pulmonary obstruction.  
Fourth Annual Meeting of the American Association of Pharmaceutical Scientists, Atlanta, October 1989.
76. E.W. Schmidt, B. Rasche, H. Möllmann, J. Barth, W.T. Ulmer, H. Derendorf  
Plasma-levels of  $\alpha_1$ -protease inhibitor, trypsin inhibitor and elastase-inhibitor in patients with lung emphysema.  
Fourth Annual Meeting of the American Association of Pharmaceutical Scientists, Atlanta, October 1989.
77. H. Derendorf  
Dose optimization based on pharmacokinetic/pharmacodynamic modelling.  
23rd Annual Higuchi Research Seminar, Lake Ozark, March 1990.
78. H. Derendorf  
The role of pharmacokinetics in clinical trials.  
7th Symposium on Chemotherapeutics, Munich, March 1990.
79. B. Wichert, H. Derendorf, R.J. Gonzalez-Rothi, H. Schreier  
Anti-TB drug liposome aerosols: formulation, characterization, stability and uptake by pulmonary alveolar macrophages (AM) in vitro.  
36th Annual Congress of the International Association for Pharmaceutical Technology (APV), Kiel, March 1990.
80. H. Derendorf  
Estimation of free tissue levels as predictors of antibiotic activity.  
Symposium on Antibiotic Policies, Vienna, March 1990.
81. J. Barth, H. Möllmann, H. Derendorf, G. Hochhaus  
Pharmacokinetic-pharmacodynamic optimization of systemic glucocorticoid therapy of colitis.  
Ulmer Symposium on Colitis, Ulm, March 1990.
82. H. Möllmann, J. Barth, H. Derendorf, G. Hochhaus  
Clinical significance of pharmacokinetics, intrinsic activity and biopharmaceutical properties of glucocorticoids after oral and intravenous administration.  
Ulmer Symposium on Colitis, Ulm, March 1990.
83. H. Möllmann, J. Barth, D. Hüppe, H. Derendorf, G. Hochhaus  
Clinical pharmacology of rectally administered glucocorticoids for Crohn's Disease and colitis ulcerosa.  
Ulmer Symposium on Colitis, Ulm, March 1990.
84. H. Möllmann, J. Barth, S. Tunn, M. Krieg, H. Derendorf, C.R. Möllmann  
Pharmacokinetics and bioavailability of hydrocortisone after rectal administration of hydrocortisone acetate foam in comparison to oral or intravenous administration of hydrocortisone.  
Ulmer Symposium on Colitis, Ulm, March 1990.
85. H. Derendorf, H. Möllmann, G. Hochhaus  
Free peripheral compartment levels as interface between pharmacokinetics and pharmacodynamics of glucocorticoids.  
3rd Symposium Frontiers of Pharmacokinetics and Pharmacodynamics, Baltimore, April 1990.

86. H. Derendorf, H. Möllmann, J. Barth, G. Hochhaus  
Dose optimization of glucocorticoids based on pharmacokinetic-pharmacodynamic modelling.  
Symposium on Measurement and Kinetics of In Vivo Drug Effects, Noordwijk, June 1990.
87. J. Barth, H. Möllmann, H. Derendorf, C. Möllmann, G. Hochhaus, K.H. Lehr, T. Höhler  
Systemic absorption of prednicarbate after dermal, oral and pulmonary administration.  
11th International Congress of Pharmacology, Amsterdam, July 1990.
88. K.S. Estes, K. Dietzel, M.E. Brewster, G. Ellison, N. Bodor, H. Derendorf  
The oxidized metabolite of a redox-based chemical delivery system for estradiol is rapidly eliminated in bile and urine of dogs.  
Gordon Conference on Drug Carriers in Medicine and Biology, Tilton, July 1990.
89. K.S. Estes, K. Dietzel, M.E. Brewster, N. Bodor, H. Derendorf  
Dexamethasone administered intravenously as a water soluble cyclodextrin inclusion complex.  
APhA End of Summer Meeting, Arlington, September 1990.
90. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Dose optimization of corticosteroids.  
Annual Meeting of the Southeastern Chapter of the American College of Clinical Pharmacology, Johnson City, September 1990.
91. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Prediction of clinical potency of corticosteroids by pharmacokinetic-pharmacodynamic modelling.  
Nineteenth Annual Meeting of the American College of Clinical Pharmacology, Las Vegas, November 1990.
92. P. LaBelle, P.D. Ronca, R.V. Zupkis, S. Schwartz, J. Perrin, H. Derendorf, Y.L. Kan  
The short-term effects of lovastatin on glipizide pharmacokinetics and glycemic control in hypercholesterolemic diabetics.  
Nineteenth Annual Meeting of the American College of Clinical Pharmacology, Las Vegas, November 1990.
93. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Area under the effect-time-curve as measure of cumulative drug effects.  
Fifth Annual Meeting of the American Association of Pharmaceutical Scientists, Las Vegas, November 1990.
94. G. Hochhaus, L.S. Chen, H. Derendorf, P. Druzgala  
Loteprednol etabonate: Tissue distribution and receptor binding.  
Fifth Annual Meeting of the American Association of Pharmaceutical Scientists, Las Vegas, November 1990.
95. H.G. Schäfer, S. Freyer, J. Urciola, H. Schmidt, L. Lopez, H. Derendorf  
Pharmacokinetic interaction of diltiazem and propranolol enantiomers.  
Fifth Annual Meeting of the American Association of Pharmaceutical Scientists, Las Vegas, November 1990.
96. S.S. Mohamed, H. Derendorf  
Binding of codeine to healthy and sickle erythrocytes.  
Fifth Annual Meeting of the American Association of Pharmaceutical Scientists, Las Vegas, November 1990.
97. H. Derendorf, H. Möllmann, J. Barth, S. Tunn, M. Krieg  
Saliva levels as predictors for free corticosteroid levels in plasma.  
Fifth Annual Meeting of the American Association of Pharmaceutical Scientists, Las Vegas, November 1990.
98. K.S. Estes, K. Dietzel, M.E. Brewster, G. Ellison, N. Bodor, H. Derendorf  
Rapid biliary elimination of the oxidized metabolite of a redox-based chemical delivery system for estradiol in dogs.  
Fifth Annual Meeting of the American Association of Pharmaceutical Scientists, Las Vegas, November 1990.
99. H. Derendorf  
The role of the pharmacist today and tomorrow.  
21st International Pharmaceutical Continuing Education Week, Davos, January 1991.

100. H. Derendorf  
Pharmacokinetic aspects of drug evaluation.  
5th Symposium of the Section Pharmaceutical Chemistry of the German Pharmaceutical Society, Münster, March 1991.
101. H. Derendorf, H. Möllmann, J. Barth  
Treatment of pulmonary diseases with corticosteroids on the basis of pharmacokinetic-pharmacodynamic relationships.  
Pulmonology Symposium, Braunschweig, March 1991.
102. H. Derendorf  
Dose optimization of corticosteroids based on pharmacokinetic-pharmacodynamic modelling.  
International Workshop on Differential Corticosteroid Therapy of Chronically Inflamed Bowel Diseases, Köln, March 1991.
103. H. Derendorf  
Twin peaks - stereoselective pharmacokinetics of propranolol.  
24th Annual Higuchi Research Seminar, Lake Ozark, March 1991.
104. G. Hochhaus, R. Hochhaus, H. Möllmann, C. Barmeyer, H. Derendorf  
A sensitive assay for the simultaneous measurement of dexamethasone and dexamethasone-21-isonicotinate.  
1991 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Charleston, April 1991.
105. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Prediction of clinical potency of corticosteroids by pharmacokinetic-pharmacodynamic modelling.  
1991 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Charleston, April 1991.
106. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Area under the effect-time-curve as measure of cumulative drug effects.  
1991 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Charleston, April 1991.
107. S. Freyer, L. Lopez, H. Derendorf  
Pharmacokinetic interaction of diltiazem and propranolol enantiomers.  
1991 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Charleston, April 1991.
108. M.L. Kaltenbach, A.P. Mauderli, F. Bauman, B.L. Grundy, H. Derendorf  
Tooth-pulp evoked potentials in human pain research: Methods and apparatus.  
1991 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Charleston, April 1991.
109. S.S. Mohamed, P. Mehta, S. Gross, A. Kedar, M. Ayass, B. Tomlinson, H. Derendorf  
Pharmacokinetics of codeine in sickle cell patients and healthy controls.  
1991 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Charleston, April 1991.
110. K.H. Rand, K. Gibbs, H. Derendorf, J. Graham-Pole  
Pharmacokinetics of intravenous immunoglobulin in bone marrow transplant patients.  
Fifth International Conference on Immunopharmacology, Tampa, May 1991.
111. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Lymphocyte depression as a pharmacodynamic parameter for clinical corticosteroid activity.  
Fifth International Conference on Immunopharmacology, Tampa, May 1991.
112. H. Derendorf  
Relevant pharmacokinetic parameters for antibiotics.  
17th International Congress of Chemotherapy, Berlin, June 1991.
113. K.S. Estes, M.E. Brewster, H. Derendorf, R.M. Clemmons, N. Bodor  
Sustained estradiol in CSF with a chemical delivery system.  
Controlled Release Society, Amsterdam, July 1991.
114. J. Barth, H. Möllmann, S. Tunn, T. Wagner, H. Derendorf, G. Hochhaus  
Systemic absorption from hydrocortisone acetate rectal foam after single and multiple administration in healthy volunteers and patients with ulcerative colitis  
11th Congress of the European Association of Internal Medicine, Lissabon, September 1991

115. H. Derendorf  
Significance of pharmacokinetic parameters for drug evaluation.  
First Pharmacy Congress of the South Cone, Gramado, September 1991.
116. H. Derendorf  
Drug level monitoring in pharmacy practice.  
First Pharmacy Congress of the South Cone, Gramado, September 1991.
117. H. Möllmann, J. Barth, I. Wagner, S. Tunn, M. Krieg, C. Möllmann, H. Derendorf  
Pharmacokinetics and rectal bioavailability of hydrocortisone acetate after single and multiple administration.  
20th Annual Meeting of the American College of Clinical Pharmacology, Atlanta, October 1991.
118. S. Freyer, L. Lopez, H. Derendorf  
Pharmacokinetic interaction of diltiazem and propranolol enantiomers.  
20th Annual Meeting of the American College of Clinical Pharmacology, Atlanta, October 1991.
119. H. Möllmann, J. Barth, U. Bötzel, G. Hochhaus, H. Derendorf, T. Wagner  
Ultra-high doses of methylprednisolone in acute spinal cord injury: pharmacokinetic considerations.  
20th Annual Meeting of the American College of Clinical Pharmacology, Atlanta, October 1991.
120. G. Hochhaus, H. Derendorf, E.W. Schmidt, H. Möllmann  
Effects versus side-effects: dose optimization based on an integrated pharmacokinetic/dynamic approach.  
20th Annual Meeting of the American College of Clinical Pharmacology, Atlanta, October 1991.
121. S.S. Mohamed, P. Mehta, S. Gross, A. Kedar, M. Ayass, B. Tomlinson, H. Derendorf  
Pharmacokinetics of codeine in sickle cell patients and healthy controls.  
20th Annual Meeting of the American College of Clinical Pharmacology, Atlanta, October 1991.
122. H. Derendorf  
Choice of appropriate pharmacokinetic-pharmacodynamic models for predicting drug effects.  
First Annual Meeting of the Society for Clinical Pharmacology, Kloster Arnsburg, October 1991.
123. K. Rand, K. Gibbs, H. Derendorf, J. Graham-Pole  
Pharmacokinetics of intravenous immunoglobulin in bone marrow transplant patients.  
Sixth Annual Meeting of the American Association of Pharmaceutical Scientists, Washington, November 1991.
124. C.D. Page, M. Mautino, H. Derendorf, J.P. Anhalt  
Comparative pharmacokinetics of trimethoprim-sulfamethoxazole administered intravenously and orally to captive elephants.  
Sixth Annual Meeting of the American Association of Pharmaceutical Scientists, Washington, November 1991.
125. M. Kaltenbach, A. Mauderli, B.L. Grundy, H. Derendorf  
Tooth-pulp evoked potentials in human pain research: application to the study of the analgesic effect of codeine and ibuprofen.  
Sixth Annual Meeting of the American Association of Pharmaceutical Scientists, Washington, November 1991.
126. S.S. Mohamed, P. Mehta, S. Gross, A. Kedar, M. Ayass, B. Tomlinson, H. Derendorf  
Pharmacokinetics of codeine in sickle cell patients and healthy controls.  
Sixth Annual Meeting of the American Association of Pharmaceutical Scientists, Washington, November 1991.
127. J. Barth, H. Möllmann, J. Armbruster, O.W. Flörke, G. Hochhaus, H. Derendorf  
Biopharmaceutical characterization of crystals in glucocorticoid suspensions.  
Sixth Annual Meeting of the American Association of Pharmaceutical Scientists, Washington, November 1991.
128. G. Hochhaus, R. Hochhaus, H. Möllmann, C. Barmeyer, H. Derendorf  
A sensitive assay for the simultaneous measurement of dexamethasone and dexamethasone-21-isonicotinate.  
Sixth Annual Meeting of the American Association of Pharmaceutical Scientists, Washington, November 1991.

129. G. Hochhaus H. Derendorf, H. Möllmann, E. Schmidt  
Is there a dose with an optimal effect/side effect ratio ?  
Sixth Annual Meeting of the American Association of Pharmaceutical Scientists,  
Washington, November 1991.
130. J. Barth, H. Möllmann, S. Tunn, T. Wagner, H. Derendorf, G. Hochhaus  
Systemic absorption from hydrocortisone acetate rectal foam after single and  
multiple administration in healthy volunteers and patients with ulcerative colitis.  
11th Congress of the European Association of Internal Medicine, Lisbon, November  
1991.
131. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Comparative pharmacokinetics and pharmacodynamics of intravenously administered  
prodrugs for corticosteroids.  
Japanese-U.S.-Symposium on Drug Delivery, Maui, December 1991.
132. H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Pulmonary delivery of lipophilic and water-soluble glucocorticoids:  
pharmacokinetic evaluation.  
Japanese-U.S.-Symposium on Drug Delivery, Maui, December 1991.
133. J. Barth, H. Möllmann, H. Derendorf, G. Hochhaus  
Glucocorticoid suspensions for sustained release delivery in orthopedics and  
rheumatology: factors modulating bioavailability  
Japanese-U.S.-Symposium on Drug Delivery, Maui, December 1991.
134. H. Möllmann, U. Bötzel, J. Barth, C. Möllmann, G. Hochhaus, H. Derendorf  
Acute treatment of spinal trauma.  
Symposium on Treatment of Spinal Cord Injuries, Erfurt, March 1992.
135. H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf, E. van Winden  
Pharmacokinetic/dynamic investigations during therapeutic use of mega-dose  
methylprednisolone in patients with acute spinal trauma.  
International Workshop on Neurological Recovery after Spinal Cord Injuries,  
Heidelberg, March 1992.
136. H. Derendorf  
Hard-linked pharmacokinetic-pharmacodynamic models.  
25th Annual Higuchi Research Seminar, Lake Ozark, March 1992
137. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Receptor based pharmacokinetic-pharmacodynamic model for corticosteroids.  
Ninety-third Annual Meeting of the American Society for Clinical Pharmacology and  
Therapeutics, Orlando, March 1992.
138. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Comparative pharmacokinetics and pharmacodynamics of intravenously administered  
prodrugs for corticosteroids.  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Wilmington, April 1992.
139. H. Derendorf, H. Möllmann, J. Barth, S. Tunn, M. Krieg  
Saliva levels as predictors for free corticosteroid levels in plasma.  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Wilmington, April 1992.
140. K. Rand, H. Derendorf, K. Gibbs, J. Graham-Pole  
Pharmacokinetics of intravenous immunoglobulin in bone marrow transplant patients.  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Wilmington, April 1992.
141. C.D. Page, M. Mautino, H. Derendorf, J.P. Anhalt  
Comparative pharmacokinetics of trimethoprim-sulfamethoxazole administered  
intravenously and orally to captive elephants.  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Wilmington, April 1992.
142. H. Möllmann, J. Barth, I. Wagner, S. Tunn, M. Krieg, C. Möllmann, H. Derendorf  
Pharmacokinetics and rectal bioavailability of hydrocortisone acetate after single  
and multiple administration to healthy volunteers and patients.  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Wilmington, April 1992.

143. S. Balbach, H. Möllmann, U. Boetel, J. Barth, T. Wagner, G. Hochhaus, E. van Winden, H. Derendorf  
CSF/plasma concentrations of methylprednisolone after ultra-high doses in acute spinal cord injury.  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Wilmington, April 1992.
144. A. Nolting, J. Limberg, M. Lebel, H. Derendorf  
Free tissue levels as predictors of antibiotic activity  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Wilmington, April 1992.
145. S.S. Mohamed, P. Mehta, S. Gross, A. Kedar, M. Ayass, B. Tomlinson, H. Derendorf  
Pharmacokinetics of codeine in sickle cell patients and healthy controls.  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Wilmington, April 1992.
146. K.S. Estes, M.E. Brewster, H. Derendorf, R.M. Clemmons, N. Bodor  
A chemical delivery system (CDS) enhances estradiol (E<sub>2</sub>) in CSF vs. plasma  
1992 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Wilmington, April 1992.
147. J. Barth, H. Möllmann, H. Derendorf, G. Hochhaus  
Morphological properties, pharmacokinetics and local availability of intraarticularly administered glucocorticoid crystal suspensions.  
98th Conference of the German Society of Internal Medicine, Wiesbaden, April 1992.
148. K. McNicol, M. Ausborn, H. Derendorf, R. Gonzalez-Rothi, D. Soucy, A. Stecenko, H. Schreier  
Pharmacokinetics of pulmonary delivery of amikacin liposomes and liposome toxicity in sheep.  
International Conference of the American Lung Association / American Thoracic Society, Miami Beach, May 1992.
149. H. Derendorf  
Pharmacokinetic/pharmacodynamic consequences of space flight.  
Twelfth Frontiers of Pharmacology Symposium on Pharmacology Beyond Earth's Boundaries, Houston, May 1992.
150. G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Molecular pharmacological aspects of glucocorticoid therapy  
Current Concepts of Glucocorticoid Therapy, Darmstadt, May 1992.
151. H. Möllmann, J. Barth, H. Derendorf, G. Hochhaus  
Fundamentals of corticosteroid therapy  
Current Concepts of Glucocorticoid Therapy, Darmstadt, May 1992.
152. H. Derendorf, H. Möllmann, J. Barth, G. Hochhaus  
Rational dose optimization in corticosteroid therapy  
Current Concepts of Glucocorticoid Therapy, Darmstadt, May 1992.
153. J. Barth, H. Möllmann, G. Hochhaus, H. Derendorf  
Pharmacodynamic interaction of corticosteroids with immunological and inflammatory processes  
Current Concepts of Glucocorticoid Therapy, Darmstadt, May 1992.
154. H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Comparison of the pharmacokinetics of water- and lipid-soluble corticosteroids in various dosage forms after intrabronchial administration and inhalation  
Current Concepts of Glucocorticoid Therapy, Darmstadt, May 1992.
155. H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf, E. van Winden, U. Bötzel  
Pharmacokinetic-pharmacodynamic investigations after therapeutic use of mega-high doses of methylprednisolone in patients with acute spinal injury.  
Current Concepts of Glucocorticoid Therapy, Darmstadt, May 1992.
156. J. Barth, T. Wagner, S. Tunn, A. Tromm, H. Derendorf, M. Krieg, H. Möllmann, G. Hochhaus  
Bioavailability of hydrocortisone after rectal administration in healthy volunteers  
Inflammatory Bowel Diseases - Pathophysiology and Therapy, Regensburg, June 1992.
157. T. Wagner, J. Barth, A. Tromm, S. Tunn, M. Krieg, H. Derendorf, H. Möllmann  
Systemic absorption from hydrocortisone acetate rectal foam after single and multiple administration in healthy volunteers  
Inflammatory Bowel Diseases - Pathophysiology and Therapy, Regensburg, June 1992.

158. H. Möllmann, J. Barth, A. Tromm, C. Bigalke, T. Wagner, U. Schwegler, S. Tunn, H. Derendorf, M. Krieg, B. May, G. Hochhaus  
Pharmacokinetics and bioavailability of hydrocortisone after single and multiple rectal administration of hydrocortisone acetate foam in patients with distal chronic and inflammatory bowel diseases in comparison to healthy volunteers  
Inflammatory Bowel Diseases - Pathophysiology and Therapy, Regensburg, June 1992.
159. H. Derendorf  
What exactly is "tissue concentration"?  
4th Biennial Conference on Chemotherapy of Infectious Diseases and Malignancies, Prague, August 1992.
160. A. Nolting, J. Limberg, M. Lebel, H. Derendorf  
Free tissue concentrations as predictors of antibiotic activity  
4th Biennial Conference on Chemotherapy of Infectious Diseases and Malignancies, Prague, August 1992.
161. K. Rand, H. Derendorf, K. Gibbs, J. Graham-Pole  
Pharmacokinetics of intravenous immunoglobulin in bone marrow transplant patients  
4th Biennial Conference on Chemotherapy of Infectious Diseases and Malignancies, Prague, August 1992.
162. S. Rohatagi, H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Evaluation of pharmacokinetic interactions between prednisolone and hydrocortisone  
21st Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1992.
163. A. Suri, H. Derendorf, R.J.M. Mies, M. Kaltenbach, J. van der Aa, N. Gravenstein  
Use of a spreadsheet program for the determination of variable infusion rates to produce stepwise changes of morphine steady state levels  
21st Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1992.
164. H. Möllmann, M. Damoiseaux, J. Barth, K.H. Brandis, G. Hochhaus, H. Derendorf  
Pharmacokinetics and pharmacodynamics of prednisolone after intravenous and oral administration  
21st Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1992.
165. H. Derendorf  
Clinical significance of pharmacokinetic-pharmacodynamic models  
21st Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1992.
166. K.S. Estes, M. Brewster, H. Derendorf, R.M. Clemmons, N. Bodor  
A chemical delivery system (CDS) enhances estradiol in CSF vs. plasma of dogs  
7th Annual Meeting of the American Association of Pharmaceutical Scientists, San Antonio, November 1992.
167. C. Vivas, L. Pantan, M. Gonzalez, D. Lowenthal, J. Graves, H. Derendorf  
Analysis of propranolol in human plasma by reversed phase liquid chromatography  
1993 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Research Triangle Park, April 1993.
168. A. Nolting, H. Derendorf  
Determination of piperacillin in broth solution by high performance liquid chromatography  
1993 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Research Triangle Park, April 1993.
169. S. Rohatagi, H. Möllmann, J. Barth, A. Soldner, G. Hochhaus, H. Derendorf  
Analysis of hydrocortisone, prednisolone and methylprednisolone in biological fluids using normal phase chromatography  
1993 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Research Triangle Park, April 1993.
170. A. Suri, V. Srinivasan, M. Kaltenbach, B. Grundy, H. Derendorf  
Pharmacodynamic evaluation of codeine using tooth pulp evoked potentials  
1993 Southeast Regional Meeting of the American Association of Pharmaceutical Scientists, Research Triangle Park, April 1993.

171. H. Möllmann, A. Tromm, U. Schwegler, B. May, J. Barth, T. Wagner, H. Derendorf, G. Hochhaus  
Pharmacokinetics and pharmacodynamics of budesonide after rectal application  
9th Annual Meeting of the American Gastroenterological Association, Boston, May 1993.
172. A. Tromm, H. Möllmann, U. Schwegler, B. May, J. Barth, H. Derendorf, G. Hochhaus  
Pharmacokinetics and pharmacodynamics of budesonide after oral topical administration  
Pharmacokinetics and pharmacodynamics of budesonide after rectal application  
9th Annual Meeting of the American Gastroenterological Association, Boston, May 1993.
173. H. Derendorf  
The significance of free tissue analysis for the pharmacokinetic evaluation of antibiotics  
Hungarian Society for Chemotherapy, Debrecen, June 1993.
174. H. Derendorf  
Prospects for controlled drug delivery systems: Impact on drug therapy  
Florida Pharmacy Association, Marco Island, July 1993.
175. H. Derendorf, J. Barth, G. Hochhaus, H. Möllmann  
Kinetic/dynamic interrelationships as basis for rational therapy  
Conference on Corticosteroids for Inflammatory Bowel Diseases, Strassburg, September 1993.
176. H. Derendorf, H. Möllmann, A. Tromm  
Optimization of therapy by development of disease-related specific dose regimens  
Conference on Corticosteroids for Inflammatory Bowel Diseases, Strassburg, September 1993.
177. H.W. Ecker, H. Möllmann, A. Tromm, W. Lindemann, J. Barth, H. Derendorf, G. Hochhaus, B. May  
Comparison of pharmacodynamic effects of 3 mg budesonide in healthy volunteers and patients with inflammatory bowel disease after ileostomy  
IV. International Symposium on Chronic Inflammatory Bowel Diseases, Strassburg, September 1993.
178. H. Möllmann, A. Tromm, U. Schwengler, B. May, J. Barth, A. Wagner, S. Tunn, M. Krieg, H. Derendorf, G. Hochhaus  
Pharmacodynamics of budesonide after rectal application in healthy volunteers: evidence for low systemic side effects  
IV. International Symposium on Chronic Inflammatory Bowel Diseases, Strassburg, September 1993.
179. H. Möllmann, A. Tromm, J. Barth, S. Tunn, M. Krieg, U. Schwengler, B. May, H. Derendorf, G. Hochhaus  
Plasma levels of budesonide after multiple oral administration of budesonide in healthy volunteers  
IV. International Symposium on Chronic Inflammatory Bowel Diseases, Strassburg, September 1993.
180. J. Barth, H. Möllmann, A. Tromm, S. Tunn, M. Krieg, U. Schwengler, B. May, H. Derendorf, G. Hochhaus  
Systemic effects of orally administered budesonide: comparison of a single and divided dose regimen  
IV. International Symposium on Chronic Inflammatory Bowel Diseases, Strassburg, September 1993.
181. U. Bötzel, E. Gläser, J. Barth, R. Schumann, G. Hochhaus, H. Derendorf, S. Tunn, M. Krieg, C. Möllmann, H. Möllmann  
Pharmacokinetics and metabolic interactions of ultra-high dosed methylprednisolone in patients with acute spinal cord injury  
3rd Scientific Meeting of the Scandinavian Medical Society of Paraplegia, Lahti, September 1993.
182. H. Derendorf, G. Hochhaus, H. Möllmann, J. Barth  
Clinical significance of pharmacokinetic-pharmacodynamic modeling of corticosteroids  
World Congress of Pharmacy and Pharmaceutical Sciences FIP '93, Tokyo, September 1993.
183. H. Derendorf  
Pharmacodynamic aspects of oral, buccal and nasal systemic drug delivery  
FIP Taipei Post-Congress Symposium, Taipei, September 1993.

184. A. Tromm, H. Möllmann, U. Schwengler, B. May, J. Barth, H. Derendorf, G. Hochhaus  
Orla treatment with budesonide in healthy volunteers: evidence of low systemic side effects  
22nd Annual Meeting of the American College of Clinical Pharmacology, Boston, November 1993.
185. H. Möllmann, A. Tromm, U. Schwengler, B. May, J. Barth, T. Wagner, H. Derendorf, G. Hochhaus  
Pharmacodynamics of budesonide after rectal application in healthy volunteers  
22nd Annual Meeting of the American College of Clinical Pharmacology, Boston, November 1993.
186. G. Henderson, P. Whalen, R. Darr, S. Curry, H. Derendorf, T. Baumgatner, P. Stacpoole  
Development and stability of an oral drug formulation for dichloroacetate and thiamine  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
187. A. Nolting, H. Derendorf, K. Rand  
An in vitro pharmacokinetic-pharmacodynamic model for piperacillin  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
188. S. Rohatagi, H. Möllmann, J. Barth, A. Soldner, G. Hochhaus, H. Derendorf  
Pharmacokinetic and pharmacodynamic modeling of multiple dosing regimens of methylprednisolone and prednisolone  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
189. A. Tromm, H. Möllmann, U. Schwengler, B. May, J. Barth, H. Derendorf, G. Hochhaus  
Oral treatment with budesonide: results of a pharmacodynamic study in healthy volunteers  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
190. A. Suri, V. Srinivasan, M. Kaltenbach, B. Grundy, H. Derendorf  
Somatosensory evoked potentials for measuring the analgesic effect of codeine  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
191. H. Möllmann, A. Tromm, U. Schwengler, B. May, J. Barth, T. Wagner, H. Derendorf, G. Hochhaus  
Budesonide enemas and suppositories in healthy volunteers: evidence for low systemic side effects  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
192. J. Barth, G. Hochhaus, H. Derendorf, K.H. Lehr, T. Hoehler, H. Möllmann  
Pharmacokinetics of prednicarbate in humans after oral, pulmonary and cutaneous administration  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
193. J. Barth, G. Hochhaus, R. Hochhaus, H. Derendorf, H. Möllmann  
Pharmacokinetics and pharmacodynamics of dexamethasone sulfobenzoate and dexamethasone phosphate  
8th Annual Meeting of the American Association of Pharmaceutical Scientists, Orlando, November 1993.
194. L. Williams, L.B. Panton, G.J. Guillen, J.E. Graves, C. Vivas, M. Gonzalez, H. Derendorf, M.L. Pollock, D.T. Lowenthal  
Effect of aerobic exercise training on propranolol pharmacokinetics in young and elderly adults  
Ninety-fifth Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics, New Orleans, March 1994.
195. L. Panton, D. Lowenthal, G. Guillen, L. Williams, J. Graves, H. Derendorf, L. Garzarella, C. Vivas, M. Pollock  
Effect of aerobic exercise training on resting hepatic blood flow and propranolol kinetics in young and elderly adults  
Annual Meeting of the American Geriatrics Society, Los Angeles, March 1994.

196. A. Nolting, T. Dalla Costa, H. Derendorf, K. Rand  
An in vitro pharmacokinetic-pharmacodynamic model for piperacillin  
1994 AAPS Southeast Regional Meeting, Durham, April 1994
197. S. Rohatagi, G. Hochhaus, H. Derendorf  
Pharmacokinetic and pharmacodynamic modeling of triamcinolone acetonide after  
intravenous, oral and pulmonary administration  
1994 AAPS Southeast Regional Meeting, Durham, April 1994
198. E. Galia, S. Rohatagi, G. Hochhaus, H. Derendorf  
Hydrocortisone suppression after triamcinolone acetonide administration by various  
routes  
1994 AAPS Southeast Regional Meeting, Durham, April 1994
199. S. Rohatagi, G. Hochhaus, H. Derendorf  
Oral and pulmonary bioavailability of triamcinolone acetonide  
1994 AAPS Southeast Regional Meeting, Durham, April 1994
200. S. Rohatagi, E. Galia, G. Hochhaus, H. Derendorf  
Pharmacokinetic and pharmacodynamic modeling of triamcinolone acetonide after  
intravenous, oral and pulmonary administration  
5th Symposium: Frontiers in Pharmacokinetics and Pharmacodynamics, Baltimore,  
April 1994.
201. H. Derendorf  
Pharmacokinetic-pharmacodynamic models  
Forum on current therapeutic concepts and rational use of corticosteroids for lung  
and intestinal diseases, Dresden, June 1994.
202. H. Derendorf  
Pharmacokinetic/pharmacodynamic analysis of corticosteroids - implications for  
clinical use.  
International Workshop on Corticosteroids, Göttingen, September 1994.
203. H. Derendorf, G. Hochhaus, S. Rohatagi, J. Barth, H. Möllmann  
Receptor-based PK/PD model for corticosteroids  
Second European Congress of Pharmaceutical Sciences, Berlin, September 1994.
204. G. Hochhaus, R. Gonzalez-Rothi, E.W. Schmidt, H. Möllmann, H. Derendorf, T. Dalla  
Costa, H. Schreier  
PK/PD characterization of pulmonary targeting  
Second European Congress of Pharmaceutical Sciences, Berlin, September 1994.
205. G. Hochhaus, P. Froehlich, H. Derendorf, H. Möllmann  
Selective HPLC/RIA assay for budesonide in biological fluids  
Second European Congress of Pharmaceutical Sciences, Berlin, September 1994.
206. H. Derendorf  
Pharmaceutical education in the U.S.A.  
ABDA Symposium on Pharmaceutical Care, Frankfurt, October 1994.
207. H. Derendorf  
Influence of systemic delivery on pharmacodynamics  
23rd Annual Meeting of the American College of Clinical Pharmacology, Orlando,  
October 1994.
208. A. Suri, M. Kaltenbach, B. Grundy, H. Derendorf  
Pharmacodynamic evaluation of codeine using tooth pulp evoked potentials  
23rd Annual Meeting of the American College of Clinical Pharmacology, Orlando,  
October 1994.
209. A. Nolting, T. Dalla Costa, R. Vistelle, H. Derendorf  
Free tissue levels of piperacillin, measured by microdialysis, as indicators of  
antibacterial activity  
23rd Annual Meeting of the American College of Clinical Pharmacology, Orlando,  
October 1994.
210. S. Rohatagi, E. Galia, G. Hochhaus, H. Derendorf  
Influence of endogenous hydrocortisone on pharmacokinetics and pharmacodynamics of  
exogenous corticosteroids  
23rd Annual Meeting of the American College of Clinical Pharmacology, Orlando,  
October 1994.
211. S. Rohatagi, A. Soldner, J. Barth, H. Möllmann, G. Hochhaus, H. Derendorf  
Pharmacokinetic and pharmacodynamic modelling of oral multiple dosing of  
methylprednisolone

- 23rd Annual Meeting of the American College of Clinical Pharmacology, Orlando, October 1994.
212. P. Froehlich, H. Derendorf, H. Möllmann, G. Hochhaus  
A novel method for analysis of budesonide and its metabolites in biological fluids  
23rd Annual Meeting of the American College of Clinical Pharmacology, Orlando, October 1994.
213. A. Suri, H. Derendorf  
Determination of ibuprofen enantiomers by reversed phase HPLC using a derivatization technique  
9th Annual Meeting of the American Association of Pharmaceutical Scientists, San Diego, November 1994.
214. S. Rohatagi, E. Galia, G. Hochhaus, H. Derendorf  
Influence of endogenous hydrocortisone on pharmacokinetics and pharmacodynamics of exogenous corticosteroids  
9th Annual Meeting of the American Association of Pharmaceutical Scientists, San Diego, November 1994.
215. S. Rohatagi, A. Soldner, J. Barth, H. Möllmann, G. Hochhaus, H. Derendorf  
Pharmacokinetic and pharmacodynamic modeling of oral multiple dosing of methylprednisolone  
9th Annual Meeting of the American Association of Pharmaceutical Scientists, San Diego, November 1994.
216. S. Rohatagi, E. Galia, G. Hochhaus, H. Derendorf  
Pharmacokinetic and pharmacodynamic modeling of triamcinolone acetonide after intravenous, oral and pulmonary administration  
9th Annual Meeting of the American Association of Pharmaceutical Scientists, San Diego, November 1994.
217. A. Nolting, T. Dalla Costa, R. Vistelle, H. Derendorf  
Free tissue levels of piperacillin measured by microdialysis as indicators of antibacterial activity  
9th Annual Meeting of the American Association of Pharmaceutical Scientists, San Diego, November 1994.
218. H. Derendorf  
Introduction to PK/PD modelling  
1st Pharmacokinetic Experts Meeting, Wuppertal, January 1995.
219. H. Derendorf  
Tissue pharmacokinetics  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
220. H. Derendorf  
Combination of pharmacokinetics and pharmacodynamics  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
221. P. Froehlich, H. Derendorf, H. Möllmann, G. Hochhaus  
A novel method for analysis of budesonide and its metabolites in biological fluids  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
222. S. Rohatagi, G. Hochhaus, H. Möllmann, J. Barth, M. Erdmann, H. Sourgens, H. Derendorf  
Oral and pulmonary bioavailability of triamcinolone acetonide  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
223. S. Rohatagi, E. Galia, G. Hochhaus, H. Möllmann, J. Barth, M. Erdmann, H. Sourgens, H. Derendorf  
Pharmacokinetic and pharmacodynamic modelling of triamcinolone acetonide after intravenous, oral and pulmonary administration  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
224. S. Rohatagi, H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Evaluation of the pharmacokinetic interaction between prednisolone and hydrocortisone  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.

225. A. Tromm, H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Plasma levels and pharmacodynamic effects of budesonide tablets and pH-modified-release capsules. Results of a comparative study in healthy volunteers  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
226. J. Barth, G. Hochhaus, R. Hochhaus, H. Derendorf, H. Möllmann  
Pharmacokinetics and pharmacodynamics of the water-soluble dexamethasone-21-sulfobenzoate and dexamethasone phosphate  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
227. H. Möllmann, J. Barth, M. Krieg, T. Wagner, H. Derendorf, G. Hochhaus  
Absorption from hydrocortisone after single and multiple rectal administrations of a hydrocortisone acetate foam preparation  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
228. J. Barth, H. Möllmann, H. Derendorf, C. Möllmann, G. Hochhaus, K.H. Lehr, T. Höhler  
Pharmacokinetics and metabolism of prednicarbate after different routes of administration  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
229. A. Möllmann, H. Möllmann, A. Tromm, G. Hochhaus, J. Barth, C. Bigalke, H. Derendorf, B. May  
Plasma levels and systemic effects after administration of budesonide enemas and foams  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
230. J. Barth, H. Möllmann, H. Derendorf, G. Hochhaus  
Glucocorticoid crystal suspensions for intra-articular administration: crystal morphology, pharmacokinetics and local drug concentrations  
4th Annual Meeting of the Association for Applied Human Pharmacology, Neuss, January 1995.
231. H. Derendorf  
Dose optimization of corticosteroids based on PK/PD-modeling  
PhRMA Foundation Annual Awardee Meeting, Washington, February 1995.
232. H. Derendorf  
Dose optimization of anti-infective drugs using microdialysis  
28th Annual Higuchi Research Seminar, Lake Ozark, March 1995.
233. H. Derendorf  
New developments in the field of pharmacokinetics  
25 Anos do Curso de Pós-Graduação em Ciências Farmacêuticas da UFRGS, Porto Alegre, March 1995.
234. A. Tromm, H. Möllmann, J. Barth, B. May, G. Hochhaus, H. Derendorf  
Budesonide plasma levels and quantitative pharmacodynamic effects after oral administration of pH-modified release tablets and capsules  
4th Conference of Gastroenterology, Bonn, March 1995.
235. H. Derendorf  
Ambulatory intravenous anti-infective therapy  
Symposium on Effective Antibiotic Therapy, Rostock, June 1995.
236. H. Derendorf  
Clinical Pharmacokinetics of Antibiotics  
Symposium on Effective Antibiotic Therapy, Rostock, June 1995.
237. S. Rohatagi, G. Hochhaus, H. Derendorf  
Correlation of in vitro and in vivo corticosteroid receptor affinity  
Eastern Regional Meeting of the American Association of Pharmaceutical Scientists, New Brunswick, June 1995.
238. A. Suri, H. Derendorf  
Pharmacodynamic-pharmacokinetic modeling of the analgesic effect of ibuprofen and flurbiprofen  
Eastern Regional Meeting of the American Association of Pharmaceutical Scientists, New Brunswick, June 1995.

239. S. Rohatagi, A. Bye, A. Mackie, H. Derendorf  
Mathematical modeling of cortisol circadian rhythm and cortisol suppression  
Eastern Regional Meeting of the American Association of Pharmaceutical Scientists,  
New Brunswick, June 1995.
240. S. Rohatagi, H. Derendorf  
Correlation of in vitro and in vivo corticosteroid receptor affinity  
GRASP Meeting, New York, June 1995
241. S. Rohatagi, H. Derendorf  
Mathematical modeling of cortisol circadian rhythm and cortisol suppression  
GRASP Meeting, New York, June 1995
242. T. Dalla Costa, H. Derendorf, A. Nolting, A. Kovar  
Microdialysis determination of free tissue concentrations of tazobactam and  
piperacillin administered alone and in combination  
GRASP Meeting, New York, June 1995
243. S. Suarez, G. Hochhaus, R. Gonzalez-Rothi, A. Lukyanov, H. Derendorf, H. Schreier,  
T. Dalla Costa  
Liposomes as a targeted delivery system to the lung  
GRASP Meeting, New York, June 1995
244. A. Suri, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of the analgesic effect of ibuprofen and  
flurbiprofen  
GRASP Meeting, New York, June 1995
245. A. Kovar, T. Dalla Costa, H. Derendorf  
Determination of plasma and free tissue levels of ceftriaxone in rats using  
microdialysis  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
246. T. Dalla Costa, A. Nolting, A. Kovar, H. Derendorf  
Microdialysis determination of free tissue concentrations of tazobactam and  
piperacillin administered alone and in combination  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
247. A. Suri, B.L. Grundy, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of analgesic effects of ibuprofen and  
flurbiprofen  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
248. R. Gonzalez-Rothi, S. Suarez, A. Lukyanov, H. Derendorf, H. Schreier, T. Dalla  
Costa, G. Hochhaus  
Liposomes as a targeted drug delivery system to the lungs  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
249. S. Rohatagi, A. Bye, A. Mackie, H. Derendorf  
Mathematical modeling of cortisol circadian rhythm and cortisol suppression  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
250. S. Rohatagi, G. Hochhaus, H. Derendorf  
Optimizing dosing time of systemic corticosteroid administration using PK/PD  
modeling  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
251. S. Rohatagi, H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Receptor based integrated pharmacokinetic modeling of corticosteroids  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
252. S. Rohatagi, H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Pharmacokinetics and pharmacodynamics of cloprednol  
Southeast Regional Meeting of the American Association of Pharmaceutical  
Scientists, Morrisville, June 1995
253. H. Derendorf, A. Nolting, T. Dalla Costa, K. Rand  
Application of an  $E_{max}$ -model to evaluate the pharmacodynamics of antimicrobials  
Satellite Symposium on Pharmacodynamics of Antimicrobials, Quebec City, July 1995.

254. A. Suri, B. Grundy, H. Derendorf  
Intra- and interindividual variability in pharmacokinetics and pharmacodynamics of flurbiprofen and ibuprofen  
24th Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1995.
255. S. Rohatagi, Y.L. Kan, H. Derendorf  
Noncompartmental analysis of pharmacokinetic data after oral and intravenous administration  
24th Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1995.
256. S. Rohatagi, U. Täuber, H. Derendorf  
Pharmacokinetic and pharmacodynamic modeling of cortisol suppression after oral administration of fluocortolone  
24th Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1995.
257. T. Dalla Costa, H. Derendorf  
AUC - a general target for the optimization of dosing regimens of antibiotics?  
24th Annual Meeting of the American College of Clinical Pharmacology, Washington, September 1995.
258. H. Derendorf  
Pharmacokinetics - today  
Conference on Safe and Rational Use of Broad-Spectrum Antibiotics, San Francisco, September 1995.
259. R. Gonzalez-Rothi, S. Suarez, A. Lukyanov, H. Derendorf, H. Schreier, T. Dalla Costa, G. Hochhaus  
Liposomes as a targeted drug delivery system to the lungs  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
260. A. Kovar, T. Dalla Costa, H. Derendorf  
Determination of plasma and free tissue levels of ceftriaxone in rats using microdialysis  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
261. T. Dalla Costa, A. Nolting, A. Kovar, H. Derendorf  
Microdialysis determination of free tissue concentrations of tazobactam and piperacillin administered alone and in combination  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
262. S. Rohatagi, A. Bye, A. Mackie, H. Derendorf  
Mathematical modeling of cortisol circadian rhythm and cortisol suppression  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
263. S. Rohatagi, G. Hochhaus, H. Derendorf  
Optimizing dosing time of systemic corticosteroid administration using PK/PD modeling  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
264. S. Rohatagi, H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Receptor based integrated pharmacokinetic and pharmacodynamic modeling of corticosteroids after single and multiple administration  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
265. A. Suri, B.L. Grundy, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of analgesic effect of ibuprofen and flurbiprofen  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
266. S. Rohatagi, H. Möllmann, J. Barth, G. Hochhaus, H. Derendorf  
Pharmacokinetics and pharmacodynamics of cloprednol  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.

267. A. Nolting, T. Dalla Costa, K. Rand, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of the antibacterial effects of piperacillin  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
268. P. Fröhlich, H. Möllmann, H. Derendorf, G. Hochhaus  
Pharmacokinetic and pharmacodynamic modeling of budesonide after single and multiple oral administration  
10th Annual Meeting of the American Association of Pharmaceutical Scientists, Miami, November 1995.
269. H. Derendorf  
Tissue pharmacokinetics of beta-lactam antibiotics  
Conference on Comparison of Beta-lactam Antibiotics, Munich, November 1995.
270. H. Derendorf, A. Nolting, T. Dalla Costa, K. Rand  
Pharmacokinetic-pharmacodynamic modeling of the antibacterial effect of piperacillin in vitro  
IBC International Conference on Pharmacokinetic/Pharmacodynamic Analysis, Washington, February 1996.
271. G. Hochhaus, S. Suarez, R. Gonzalez-Rothi, H. Derendorf, T. Dalla Costa  
PK/PD based characterization of pulmonary targeting of glucocorticoids  
IBC International Conference on Pharmacokinetic/Pharmacodynamic Analysis, Washington, February 1996.
272. S. Rohatagi, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Disposition and blood cell effects of prednisolone and methylprednisolone  
97th Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics, Orlando, March 1996.
273. H. Derendorf, T. Dalla Costa, A. Kovar, A. Nolting  
Pharmacokinetic aspects of antiinfective therapy  
6th Biennial Conference on Antiinfective Agents and Chemotherapy, Leipzig, May 1996.
274. H. Derendorf, A. Kovar  
Significance of tissue concentrations of macrolides  
6th Biennial Conference on Antiinfective Agents and Chemotherapy, Leipzig, May 1996.
275. H. Derendorf  
Pharmacokinetic-pharmacodynamic (PK/PD) relationships for antiinfective therapy  
6th Biennial Conference on Antiinfective Agents and Chemotherapy, Leipzig, May 1996.
276. T. Dalla Costa, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of piperacillin-tazobactam combinations  
6th Biennial Conference on Antiinfective Agents and Chemotherapy, Leipzig, May 1996.
277. A. Kovar, T. Dalla Costa, H. Derendorf  
Comparison of plasma and free tissue levels of ceftriaxone in rats using microdialysis  
6th Biennial Conference on Antiinfective Agents and Chemotherapy, Leipzig, May 1996.
278. H. Derendorf  
Renal impairment and PK/PD relationships  
Nephropharmacology 1996, Berlin, June 1996.
279. A. Kovar, T. Dalla Costa, A. Nolting, H. Derendorf  
Comparison of plasma and free tissue levels of  $\beta$ -lactam antibiotics in rats using microdialysis  
2nd International Symposium on Infection Models in Antimicrobial Chemotherapy, Reykjavik, July 1996.
280. H. Derendorf, A. Kovar, T. Dalla Costa, A. Nolting, K.H. Rand  
Comparison of pharmacodynamic models to describe the activity of anti-infective drugs  
2nd International Symposium on Infection Models in Antimicrobial Chemotherapy, Reykjavik, July 1996.

281. H. Derendorf, T. Dalla Costa  
Effect of impaired renal function on the pharmacokinetics of piperacillin, tazobactam and its metabolite  
VI World Conference on Clinical Pharmacology and Therapeutics, Buenos Aires, August 1996.
282. H. Derendorf, S. Rohatagi, G. Hochhaus, J. Barth, H. Möllmann  
Receptor-based integrated pharmacokinetic and pharmacodynamic evaluation of corticosteroids  
VI World Conference on Clinical Pharmacology and Therapeutics, Buenos Aires, August 1996.
283. J. Barth, H. Möllmann, A. Möllmann, M. Krieg, U. Bötzel, G. Hochhaus, H. Derendorf  
Ultra-high dosed methylprednisolone in acute spinal cord injury (SCI) - pharmacokinetics and effects on cortisol, potassium, glucose and blood cells  
VI World Conference on Clinical Pharmacology and Therapeutics, Buenos Aires, August 1996.
284. T. Dalla Costa, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of piperacillin-tazobactam combinations  
VI World Conference on Clinical Pharmacology and Therapeutics, Buenos Aires, August 1996.
285. H. Derendorf  
Pharmacokinetic and pharmacodynamic evaluation of anti-infective agents  
Workshop on Anti-infective Therapy, German Society of Hospital Pharmacy, Göppingen, September 1996.
286. H. Derendorf  
Pharmacodynamic aspects of drug absorption  
6th Annual Meeting of the German Society for Clinical Pharmacology and Therapeutics, Dresden, September 1996.
287. J. Barth, H. Möllmann, G. Lehr, T. Höhler, H. Derendorf, G. Hochhaus  
Pharmacokinetics of prednicarbate after dermal, oral and pulmonary administration and monitoring of potential side effects  
6th Annual Meeting of the German Society for Clinical Pharmacology and Therapeutics, Dresden, September 1996.
288. G. Hochhaus, R. Gonzalez-Rothi, H. Derendorf, H. Schreier, H. Möllmann  
Pharmacokinetic/pharmacodynamic relationships relevant for optimizing the effect/risk ratios after topical administration - Pulmonary delivery as an example  
6th Annual Meeting of the German Society for Clinical Pharmacology and Therapeutics, Dresden, September 1996.
289. H. Möllmann, G. Hochhaus, A. Tromm, A. Möllmann, H. Derendorf, J. Barth, P. Fröhlich, K.W. Ecker, A. Lindemann, M. Krieg  
Serum and ileostoma liquid pharmacokinetics and the influence of food after oral administration of pH-modified-release capsules in healthy volunteers and ileostoma patients  
6th Annual Meeting of the German Society for Clinical Pharmacology and Therapeutics, Dresden, September 1996.
290. A. Tromm, H. Möllmann, S. v. Heymann, J. Barth, B. May, G. Hochhaus, H. Derendorf  
Pharmacokinetics and -dynamics after application of budesonide pH-modified-release capsules in patients with Crohn's disease and healthy volunteers  
6th Annual Meeting of the German Society for Clinical Pharmacology and Therapeutics, Dresden, September 1996.
291. H. Derendorf, A. Kovar, T. Dalla Costa  
Pharmacokinetic/pharmacodynamic modelling of anti-infective activity  
Third European Congress of Pharmaceutical Sciences, Edinburgh, September 1996.
292. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Modulation of lymphocyte count in blood by the circadian rhythm of endogenous cortisol  
25th Annual Meeting of the American College of Clinical Pharmacology, Philadelphia, September 1996.
293. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Cumulative cortisol suppression as a measure of the systemic effect of inhaled corticosteroids  
25th Annual Meeting of the American College of Clinical Pharmacology, Philadelphia, September 1996.

294. G. Hochhaus, H. Möllmann, M. Krieg, A. Möllmann, A. Tromm, H. Derendorf, J. Barth  
Pharmacokinetic/pharmacodynamic evaluation of budesonide after oral delivery  
25th Annual Meeting of the American College of Clinical Pharmacology,  
Philadelphia, September 1996.
295. H. Derendorf  
PK-PD modeling in drug development  
11th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Seattle, October 1996.
296. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Circadian rhythm of lymphocytes in blood and its interrelation to endogenous  
cortisol  
11th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Seattle, October 1996.
297. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Quantification of cortisol suppression as a measure for the cumulative systemic  
effect of corticosteroids  
11th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Seattle, October 1996.
298. S. Rohatagi, H. Derendorf  
Relationship of mean residence time and effective half life after oral and  
intravenous administration  
11th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Seattle, October 1996.
299. T. Dalla Costa, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of piperacillin-tazobactam combinations  
11th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Seattle, October 1996.
300. H. Derendorf, G. Hochhaus, B. Meibohm, H. Möllmann, J. Barth  
Pharmacokinetics of inhaled glucocorticoids  
Workshop on Inhaled Glucocorticosteroids, Brussels, January 1997.
301. H. Derendorf  
PK/PD modeling of anti-infective drugs: Why MIC is poison for the mind  
6<sup>th</sup> Annual Meeting of the Association for Applied Human Pharmacology, Neu-Ulm,  
February 1997.
302. H. Derendorf  
Clinical PK/PD modeling as a tool in drug development of corticosteroids  
6<sup>th</sup> Annual Meeting of the Association for Applied Human Pharmacology, Neu-Ulm,  
February 1997.
303. H. Derendorf  
Changes in Pharmacy  
ABDA Symposium, Königswinter, February 1997.
304. H. Derendorf, G. Hochhaus, B. Meibohm, H. Möllmann, J. Barth  
Pharmacokinetics and Pharmacodynamics of Inhaled Corticosteroids  
Landmark Symposium, London, February 1997.
305. B. Meibohm, G. Hochhaus, H. Derendorf  
Time dependency of the pharmacologic response to glucocorticoids  
98<sup>th</sup> Annual Meeting of the American Society for Clinical Pharmacology and  
Therapeutics, San Diego, February 1997.
306. H. Derendorf  
Pitfalls in tissue pharmacokinetics  
Thirtieth Annual Higuchi Research Seminar, Lake Ozark, March 1997
307. M. Schwahn, P. Romeis, H. Derendorf, M. Herbst  
Absolute bioavailability and dose proportionality of cetrorelix, a novel LH-RH-  
antagonist, in male and female albino Wistar rats  
Annual Meeting of the German Pharmacological Society, Mainz, March 1997
308. H. Derendorf, G. Hochhaus, B. Meibohm, H. Möllmann, J. Barth  
Pharmacokinetics and pharmacodynamics of soft corticosteroids for inhalation  
1<sup>st</sup> Drug Optimization via Retrometabolism Conference, Amelia Island, May 1997.
309. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
PK/PD-modeling of the circadian rhythm of the lymphocyte count in blood modulated

- by endogenous cortisol  
1<sup>st</sup> Drug Optimization via Retrometabolism Conference, Amelia Island, May 1997.
310. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
A PK/PD-approach to assess the systemic activity of inhaled corticosteroids as cumulative cortisol suppression  
1<sup>st</sup> Drug Optimization via Retrometabolism Conference, Amelia Island, May 1997.
311. K.S. Estes, K. Dietzel, M.E. Brewster, N. Bodor, H. Derendorf  
Rapid renal and biliary elimination of a redox-based chemical delivery system for estradiol in dogs  
1<sup>st</sup> Drug Optimization via Retrometabolism Conference, Amelia Island, May 1997.
312. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Pharmacokinetic/pharmacodynamic (PK/PD) modeling of inhaled corticosteroids  
17<sup>th</sup> Annual Meeting of the Graduate Research Association of Students in Pharmaceutics, Gainesville, June 1997.
313. E. Liang, H. Derendorf  
A pitfall in the pharmacokinetics of oral multicompartment analysis  
17<sup>th</sup> Annual Meeting of the Graduate Research Association of Students in Pharmaceutics, Gainesville, June 1997.
314. H. Derendorf  
Pharmacokinetic and pharmacodynamic properties of inhaled corticosteroids in relation to efficacy and safety  
Workshop on Targeting Drugs to the Lung, Bagshot, June 1997
315. H. Derendorf  
Influence of drug absorption and protein binding on drug disposition and pharmacodynamics  
Residential School on Medicinal Chemistry 'Designing Drugs with Optimal In-Vivo Activity After Oral Administration', Princeton, July 1997.
316. H. Derendorf  
Pharmacokinetics in neonates and geriatric patients  
1<sup>st</sup> Uruguyan Congress of Biochemistry, Montevideo, September 1997.
317. S. Rohatagi, G. Hochhaus, A. Kovar, H. Derendorf  
Algebraic solutions for nonlinear protein binding interactions  
26<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Phoenix, October 1997.
318. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Advanced PK/PD-model for the modulation of lymphocyte count by glucocorticoids and endogenous cortisol  
26<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Phoenix, October 1997.
319. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Predictive Power of PK/PD-modeling for inhaled corticosteroids  
26<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Phoenix, October 1997.
320. J. Knoeller, K. Schiffer, H. Derendorf  
Determination of salbutamol in human plasma using LC/MS/Ms  
26<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Phoenix, October 1997.
321. M. Wagner, G. Hochhaus, R. Stöckmann, H. Derendorf, J. Barth, B. Meibohm, M. Krieg, H. Möllmann  
Pharmacokinetics and pharmacodynamics after inhaled administration of flunisolide  
XVI International Congress of Allergology & Clinical Immunology, Cancun, October 1997.
322. H. Möllmann, M. Wagner, R. Stöckmann, H. Derendorf, G. Hochhaus, B. Meibohm, J. Barth, M. Krieg  
pharmacokinetic/pharmacodynamic evaluation after single-dose inhaled fluticasone propionate  
XVI International Congress of Allergology & Clinical Immunology, Cancun, October 1997.
323. H. Möllmann, H. Derendorf, J. Barth, B. Meibohm, M. Wagner, M. Krieg, J. Knoeller, A. Möllmann, G. Hochhaus  
Pharmacokinetic/pharmacodynamic evaluation of systemic effects of flunisolide

- after inhalation  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
324. G. Hochhaus, H. Derendorf, B. Meibohm  
Pharmacokinetic/pharmacodynamic evaluation of systemic effects of inhaled  
glucocorticoids  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
325. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Chronopharmacology of cortisol suppression during inhaled corticosteroid therapy  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
326. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Absorption profiles of inhaled corticosteroids  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
327. E. Liang, H. Derendorf  
Pitfalls in pharmacokinetic multi-compartment analysis  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
328. S. Rohatagi, H. Derendorf  
Mathematical description of diurnal cortisol variation using a modified  
exponential model and characterization of cortisol suppression following  
corticosteroid administration using an induction model  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
329. U. Graefe, H. Derendorf, M. Veit  
Urinary metabolites of flavonoids in humans after application of a crude extract  
from Equisetum arvense  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
330. D. Gravenstein, A. Suri, J. Koska, H. Derendorf  
Influence of plasma expansion on plasma protein binding of ketorolac  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
331. G. Hochhaus, B. Meibohm, H. Möllmann, H. Derendorf, J. Barth, M. Wagner, M. Krieg,  
J. Knoeller  
Pharmacokinetic/pharmacodynamic evaluation of systemic effects of budesonide after  
oral delivery  
12th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Boston, November 1997.
332. H. Derendorf  
The role of pharmacokinetics and pharmacodynamics in drug discovery and  
development - future challenges for kineticists and applied mathematicians  
1997 Biomedical Kinetics Workshop, Orlando, November 1997.
333. H. Derendorf  
Pharmacokinetic-pharmacodynamic evaluation of inhalation products  
Thirty-first Annual Higuchi Research Seminar, Lake Ozark, March 1998
334. H. Derendorf, R. Hermann, P. Romeis, M. Locher, Y. Schnaars, H. Riethmüller-  
Winzen, B. Pechstein  
PK-PD modeling of cetrorelix effects on circadian testosterone production  
99<sup>th</sup> Annual Meeting of the American Society of Clinical Pharmacology and  
Therapeutics, New Orleans, March 1998.
335. B. Meibohm, H. Derendorf, H. Möllmann, M. Wagner, P. Froehlich, G. Hochhaus  
Physiologically based PK/PD-model for the interaction between endogenous and  
exogenous corticosteroids and lymphocytes  
99<sup>th</sup> Annual Meeting of the American Society of Clinical Pharmacology and  
Therapeutics, New Orleans, March 1998.
336. H. Derendorf  
Local pharmacokinetics of drugs in the lung  
Respiratory Challenges '98, Madrid, March 1998.

337. H. Derendorf, T. Dalla Costa, A. de la Peña  
Tissue microdialysis of antibiotics  
1<sup>st</sup> International Symposium on Microdialysis in Drug Research and Development,  
Noordwijkerhout, March 1998.
338. H. Derendorf  
Pharmacokinetic-pharmacodynamic relationships of antibiotics  
2<sup>nd</sup> European Congress of Chemotherapy, Hamburg, May 1998.
339. H. Derendorf  
Pharmacists and Physicians - A joint way into the future  
Meeting of the German Society of Hospital Pharmacists, Hannover, May 1998.
340. H. Derendorf  
Pharmacokinetics/pharmacodynamics in drug development and drug registration  
German Drug Regulatory Agency (BfArM), Berlin, May 1998.
341. H. Derendorf, B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, M. Wagner, M. Krieg,  
R. Stöckmann  
Pharmacokinetic/pharmacodynamic modeling of cumulative cortisol suppression by  
inhaled corticosteroids  
2<sup>nd</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology,  
Paris, May 1998.
342. G. Hochhaus, H. Derendorf, B. Meibohm  
Effect of clearance and volume of distribution on pulmonary targeting of inhaled  
corticosteroids  
3<sup>rd</sup> International Symposium on Measurements and Kinetics of In Vivo Drug Effects,  
Noordwijkerhout, May 1998.
343. G. Hochhaus, B. Meibohm, J. Stark, H. Möllmann, H. Derendorf, M. Wagner  
Interaction between endogenous and exogenous corticosteroids and blood  
lymphocytes: the buffering capacity of cortisol suppression  
3<sup>rd</sup> International Symposium on Measurements and Kinetics of In Vivo Drug Effects,  
Noordwijkerhout, May 1998.
344. B. Meibohm, H. Derendorf, H. Möllmann, M. Wagner, G. Hochhaus  
Mechanism-based PK/PD-model for the interaction between endogenous and exogenous  
corticosteroids and blood lymphocytes  
3<sup>rd</sup> International Symposium on Measurements and Kinetics of In Vivo Drug Effects,  
Noordwijkerhout, May 1998.
345. B. Meibohm, G. Hochhaus, H. Möllmann, J. Barth, H. Derendorf  
Chronopharmacological aspects in cortisol suppression during inhaled  
corticosteroid therapy  
3<sup>rd</sup> International Symposium on Measurements and Kinetics of In Vivo Drug Effects,  
Noordwijkerhout, May 1998.
346. A. Nolting, T. Dalla Costa, K. Rand, H. Derendorf  
Pharmacokinetic-pharmacodynamic model of the antibacterial effects of piperacillin  
3<sup>rd</sup> International Symposium on Measurements and Kinetics of In Vivo Drug Effects,  
Noordwijkerhout, May 1998.
347. T. Dalla Costa, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of piperacillin-tazobactam combinations  
3<sup>rd</sup> International Symposium on Measurements and Kinetics of In Vivo Drug Effects,  
Noordwijkerhout, May 1998.
348. H. Derendorf  
Evaluation and optimization of inhaled corticosteroids  
Asthma & Allergy Conference, Baltimore, June 1998.
349. H. Derendorf  
Pharmacokinetics of inhaled corticosteroids  
Workshop on Asthma and Inflammation, Hamburg, June 1998.
350. H. Derendorf  
Linked Pharmacokinetic-pharmacodynamic models  
4<sup>th</sup> International Workshop on the Pharmacodynamics of Anticancer Agents, Dunkeld,  
August 1998.
351. H. Derendorf  
Pharmacokinetics of second-generation antihistamines  
57<sup>th</sup> Annual Meeting of the American Academy of Otolaryngic Allergy, San Antonio,  
September 1998.

352. G. Hochhaus, B. Meibohm, A. Tromm, H. Derendorf, J. Stark, J. Barth, H. Möllmann, M. Wagner, M. Krieg, S. Homrighausen, A. Möllmann  
Interaction between endogenous and exogenous corticosteroids and blood lymphocytes: the buffering capacity of cortisol suppression  
27<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Toronto, October 1998.
353. H. Derendorf  
Applied pharmacokinetics in intensive care patients  
German Surgical Society, Frankfurt, October 1998.
354. H. Derendorf  
Perspectives of Clinical Pharmacy in Research and Practice  
Annual Meeting of the German Pharmaceutical Society, Tübingen, November 1998.
315. H. Derendorf  
The role of the pharmacist in the OTC market: A comparison of Germany and the USA  
12<sup>th</sup> Annual Pharmacy Management Conference, Munich, November 1998.
316. H. Derendorf  
The role of pharmacokinetic-pharmacodynamic modeling in drug development  
Wolfgang A. Ritschel Symposium, Cincinnati, November 1998.
317. N.V. Nagaraja, B. Pechstein, R. Herrmann, P. Romeis, M. Locher, Y. Schnaars, H. Riethmüller-Winzen, H. Derendorf  
PK-PD modeling of cetrorelix effects on circadian rhythm of testosterone release  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
358. T. Dalla Costa, A. de la Peña, A. Nolting, A. Kovar, H. Derendorf  
Determination of unbound tissue concentrations of antibiotics by microdialysis  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
359. H. Derendorf, A. de la Peña, T. Dalla Costa  
PK/PD approaches in antibiotic drug evaluation  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
360. A. de la Peña, H. Derendorf  
HPLC method with UV detection for the quantification of cefaclor in biological samples  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
361. N.V. Nagaraja, Y.J. Park, H. Cha, C.D. Sands, H. Derendorf  
Population pharmacokinetics of digoxin in Korean patients  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
362. A. de la Peña, T. Dalla Costa, A.I. Webb, H. Derendorf  
Measurement of unbound tissue concentrations of antibiotics by microdialysis  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
363. A. de la Peña, A. Gräbe, M. Cheok, O. Abbas, K.H. Rand, H. Derendorf  
Instability of cefaclor in different bacterial growth media  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
364. S. Krishnaswami, M. Wolzt, C. Mensik, H. Eichler, L. Schmetterer, B. Mayer, H. Derendorf  
Pharmacokinetic-pharmacodynamic profile of systemic nitric oxide-synthase inhibition by L-NMMA in humans  
13th Annual Meeting of the American Association of Pharmaceutical Scientists, San Francisco, November 1998.
365. H. Derendorf  
Pharmacokinetics and pharmacodynamics of inhaled corticosteroids as basis of rational therapy  
Pharmaceutical Care - Consultation by Hospital Pharmacists in Clinical Therapy, Hamburg, November 1998.
366. M. Wagner, G. Hochhaus, H. Möllmann, A. Möllmann, M. Krieg, H. Derendorf  
Duration of pulmonary efficacy after inhalation of fluticasone propionate

- 171<sup>st</sup> Annual Meeting of the Society of Internal Medicine, Düsseldorf, November 1998.
367. M. Wagner, M. Kölsch, H. Dimova, A. Möllmann, G. Hochhaus, H. Derendorf, H.D. Tauschel, B. May, A. Tromm, H. Möllmann  
Rectal administration of budesonide foam: A therapeutic advance?  
171<sup>st</sup> Annual Meeting of the Society of Internal Medicine, Düsseldorf, November 1998.
368. S. Homrighausen, M. Wagner, H. Möllmann, A. Möllmann, J. Barth, M. Krieg, H. Derendorf, A. Tromm, G. Hochhaus  
Food effect on the pharmacokinetics and systemic effects of a budesonide ph-modified release capsule  
171<sup>st</sup> Annual Meeting of the Society of Internal Medicine, Düsseldorf, November 1998.
369. H. Derendorf  
PK/PD modeling as a tool in drug development  
AAPS Indianapolis/Cincinnati Discussion Group, January 1999.
370. H. Derendorf, W. Colburn  
Acceleration of clinical drug development by the use of PK/PD modeling  
Annual Meeting of the Society of Applied Human Pharmacology, Heidelberg, February 1999.
371. H. Derendorf  
Review of current 'in vivo' dose measurement techniques  
International Respiratory Forum, London, February 1999.
372. H. Derendorf  
The expanded role of PK/PD in drug development in the 21<sup>st</sup> century  
100<sup>th</sup> Annual meeting of the American Society for Clinical Pharmacology and Therapeutics, San Antonio, March 1999.
373. H. Derendorf  
Pharmacokinetic-pharmacodynamic approach to evaluate antiinfective therapy  
9<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Berlin, March 1999.
374. H. Derendorf  
Determination of free tissue levels of antiinfective agents using microdialysis  
Delaware Valley Drug Metabolism Discussion Group, Philadelphia, April 1999.
375. H. Derendorf, G. Hochhaus, S. Krishnaswami, H. Möllmann  
Optimized therapeutic ratio of inhaled corticosteroids using retrometabolism  
2<sup>nd</sup> Retrometabolism Based Drug Design and Targeting Conference, Amelia Island, May 1999.
376. H. Derendorf  
Pharmacokinetics of antihistamines  
Cleveland Allergy Group, Cleveland, May 1999.
377. H. Derendorf  
Pharmacokinetic methods of assessing lung deposition  
12<sup>th</sup> International Congress of the International Society for Aerosols in Medicine, Vienna, June 1999.
378. H. Derendorf  
Pharmacodynamic models to predict anti-infective activity  
21<sup>st</sup> International Congress of Chemotherapy, Birmingham, July 1999.
379. H. Derendorf  
Correlation of pharmacokinetics and pharmacodynamics  
2<sup>nd</sup> Rostock Antibiotic Days, Rostock, September 1999.
380. H. Derendorf  
Dose adjustment in impaired renal and hepatic function  
2<sup>nd</sup> Rostock Antibiotic Days, Rostock, September 1999.
381. H. Möllmann, M. Wagner, A. Möllmann, H. Dimova, Y. Tang, A. Tromm, H.D. Tauschel, M. Krieg, H. Weisser, H. Derendorf, G. Hochhaus  
Pharmacokinetics/pharmacodynamics of budesonide after single and multiple dosing  
28<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Rockville, September 1999.

382. M. Wagner, G. Hochhaus, H. Derendorf, S. Krishnaswami, Y. Tang, A. Möllmann, M. Krieg, H. Möllmann  
Pharmacokinetics of fluticasone propionate (FP) after single and bidaily inhaled administration over five days  
28<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Rockville, September 1999.
383. H. Derendorf  
Antimicrobial Therapy Pharmacokinetics/Pharmacodynamics  
39<sup>th</sup> ICAAC, San Francisco, September 1999.
384. H. Derendorf  
Protein binding: myths and facts  
6<sup>th</sup> International Symposium of the International Society of Anti-Infective Pharmacology, San Francisco, September 1999.
385. E.U. Graefe, J. Wittig, B. Drewelow, A. Riethling, S. Mueller, I. Wukasch, H. Derendorf, M. Veit  
Relative systemic availability of the flavonoids quercetin and rutin in humans  
Annual Meeting of the German Pharmaceutical Society, Frankfurt, September 1999.
386. H. Derendorf  
Evaluation/assessment of anti-infectives in research and practice  
28<sup>th</sup> European Symposium on Clinical Pharmacy, Berlin, October 1999.
387. H. Derendorf  
Pharmacokinetics of essential fatty acids  
1<sup>st</sup> Conference on The essential Fatty Acid Balance, Miami, October 1999.
388. S. Werner, J. Stark, H. Möllmann, S. Homrighausen, H. Derendorf, G. Hochhaus, M. Krieg  
Pharmacokinetics/pharmacodynamic modeling of lymphocyte subpopulations after oral budesonide administration  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
389. C. Rojas, N. Nagaraja, H. Derendorf  
In vitro recovery of triamcinolone acetonide in microdialysis  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
390. A. de la Peña, T. Dalla Costa, J.D. Talton, A.I. Webb, E. Rehak, U. Thyroff-Friesinger, H. Derendorf  
Plasma and tissue concentrations of cefaclor in rats  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
391. A. de la Peña, M. Müller, H. Eichler, E. Rehak, U. Thyroff-Friesinger, H. Derendorf  
Plasma and tissue concentrations of cefaclor in humans  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
392. N.V. Nagaraja, B. Pechstein, H. Derendorf  
A model for suppression of LH and delay in LH surge by cetrorelix in women  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
393. N.V. Nagaraja, B. Pechstein, R. Herrmann, P. Romeis, M. Locher, H. Derendorf  
PK-PD modeling of testosterone and luteinizing hormone suppression by cetrorelix in healthy volunteers  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
394. S. Krishnaswami, H. Möllmann, G. Hochhaus, M. Wagner, R. Stöckmann, H. Derendorf  
Pharmacokinetics of fluticasone propionate after single and multiple inhalations  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
395. S. Krishnaswami, H. Möllmann, H. Derendorf, G. Hochhaus  
Determination of fluticasone propionate in human plasma by liquid chromatography-tandem mass spectrometry  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.

396. A. Kovar, T. Drave, D.E. de Vries, H. Derendorf  
Pharmacokinetic/pharmacodynamic evaluation of eniporide  
14th Annual Meeting of the American Association of Pharmaceutical Scientists, New Orleans, November 1999.
397. H. Derendorf  
Value of pharmacodynamic endpoints: Quantifiability, statistical power, and clinical relevance  
AAPS Workshop on Drug-Drug and Drug-Food Interactions, Arlington, December 1999.
398. H. Derendorf  
Clinical pharmacokinetics - specific applications in critically ill patients  
Pharma Hospital 2000 - Rational Drug Therapy in Critically Ill Patients, Sulzbach, February 2000.
399. H. Derendorf, A. de la Peña  
Pharmacokinetics and pharmacodynamics of betalactam antibiotics in patients with renal impairment  
8<sup>th</sup> Biennial Conference on Antiinfective Agents and Chemotherapy, Munich, March 2000.
400. H. Derendorf, A. de la Peña  
Determination of active drug levels at the site of infection  
8<sup>th</sup> Biennial Conference on Antiinfective Agents and Chemotherapy, Munich, March 2000.
401. H. Derendorf, P. Liu  
The clinical relevance of the pharmacokinetic properties of cefpodoxime - a new approach  
8<sup>th</sup> Biennial Conference on Antiinfective Agents and Chemotherapy, Munich, March 2000.
402. H. Derendorf, A. de la Peña  
Protein binding - myths and facts  
8<sup>th</sup> Biennial Conference on Antiinfective Agents and Chemotherapy, Munich, March 2000.
403. H. Derendorf  
Pharmacokinetics and systemic exposure of inhaled corticosteroids  
Inhaled Corticosteroids Relative Potency Workshop, Toronto, May 2000.
404. H. Derendorf  
The basic concepts of pharmacokinetics  
10<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Stockholm, May 2000.
405. H. Derendorf  
General concepts of pharmacodynamics  
10<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Stockholm, May 2000.
406. H. Derendorf  
General concepts of PK/PD modeling  
10<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Stockholm, May 2000.
407. H. Derendorf  
PK/PD evaluation of antibiotics using microdialysis  
2<sup>nd</sup> International Symposium on Microdialysis in Drug Research and Development, Stockholm, June 2000.
408. A. de la Peña, T. Dalla Costa, J. Talton, P. Liu, A. Webb, H. Derendorf  
Microdialysis of beta-lactam antibiotics in rat muscle and lung  
2<sup>nd</sup> International Symposium on Microdialysis in Drug Research and Development, Stockholm, June 2000.
409. H. Derendorf  
Pharmacy Curriculum at the University of Florida  
2<sup>nd</sup> Workshop for Education in Clinical Pharmacy, Bonn, June 2000.
410. H. Derendorf  
Clinical Pharmacy - a field for all pharmacists  
Workshop of the Westphalian Chamber of Pharmacy, Münster, June 2000.
411. N.V. Nagaraja, B. Pechstein, K. Erb, M. Locher, R. Hermann, H. Derendorf  
A PK/PD model for suppression of LH and delay in LH surge by cetrorelix in women

- VII World Conference on Clinical Pharmacology and Therapeutics, Florence, July 2000.
412. H. Derendorf  
Pharmacokinetics and drug interactions  
XVI Latinamerican Congress of Pharmacology, Aguas de Lindoia, September 2000.
413. H. Derendorf  
The general concepts of pharmacokinetics  
40<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, September 2000.
414. H. Derendorf  
Microdialysis, protein binding and general concepts of pharmacodynamics  
40<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, September 2000.
415. H. Derendorf  
General concepts of PK/PD modeling  
40<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, September 2000.
416. M. Kurowski, J. Barrett, E. Waalberg, N.V. Nagaraja, H. Derendorf, H. Wiltshire  
Oral oseltamivir rapidly delivers active drug levels to middle ear and sinuses in humans  
40<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, September 2000.
417. H. Derendorf  
The significance of antimicrobial concentrations in extravascular sites  
40<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, September 2000.
418. H. Derendorf  
Pharmacokinetics vs. pharmacodynamics: Which is more relevant in the 21<sup>st</sup> century?  
29<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Chicago, September 2000.
419. H. Derendorf  
Topical and systemic effects after pulmonar administration  
Annual Meeting of the German Pharmaceutical Association, Münster, October 2000.
420. H. Derendorf  
Contribution of pharmacokinetics and pharmacodynamics to drug development  
Annual Meeting of the German Pharmaceutical Association, Münster, October 2000.
421. H. Derendorf  
Integration of preclinical data into early clinical drug development  
2<sup>nd</sup> Annual Congress for Clinical Pharmacology, Berlin, October 2000.
422. H. Derendorf  
Pharmacokinetics and bioavailability of phytopharmaceuticals  
3<sup>rd</sup> International Congress on Phytomedicine, Munich, October 2000.
423. S. Krishnaswami, G. Hochhaus, H. Möllmann, M. Wagner, R. Stöckmann, H. Derendorf  
Pharmacokinetic/pharmacodynamic modeling of inhaled fluticasone propionate  
15th Annual Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, November 2000.
424. A. de la Peña, T. Dalla Costa, J.D. Talton, A.I. Webb, M Müller, K. Rand, H. Derendorf  
Microdialysis and bacterial kill curves as tools in pharmacokinetic/pharmacodynamic modeling of antibiotics  
15th Annual Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, November 2000.
425. J.G. Stark, H. Derendorf, H. Möllmann, G. Hochhaus  
Interplay of endogenous and exogenous corticosteroids and the effects on blood lymphocytes  
15th Annual Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, November 2000.
426. H. Derendorf  
Pharmacokinetics in critical care patients  
Workshop on Rational Drug Therapy in Critical Care Patients, Frankfurt, November 2000.

427. H. Derendorf  
Significance of pharmacokinetics and pharmacodynamics for anti-infectious therapy  
3<sup>rd</sup> Workshop on Infections in Neutropenia, Bonn, November 2000.
428. N.V. Nagaraja, B. Pechstein, K. Erb, C. Klipping, R. Hermann, M. Locher, H. Derendorf  
Pharmacokinetic/pharmacodynamic modeling of LH suppression and LH surge delay by cetrorelix after single and multiple doses in healthy premenopausal women  
Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics, Orlando, March 2001.
429. H. Derendorf  
Optimizing oral delivery: PK and PD  
Strategies for Oral Drug Delivery, Garmisch-Partenkirchen, March 2001.
430. H. Derendorf  
PK/PD as a tool in clinical drug development  
Pharmaceutical Congress of the Americas, Orlando, March 2001.
431. C. Rojas, N.V. Nagaraja, H. Derendorf  
In vivo recovery of triamcinolone acetonide in microdialysis  
Pharmaceutical Congress of the Americas, Orlando, March 2001.
432. P.E. Fröhlich, H. Derendorf, G. Hochhaus, B. Meibohm, H. Möllmann  
Pharmacokinetic/pharmacodynamic modeling of budesonide after oral administration in single and multiple doses  
Pharmaceutical Congress of the Americas, Orlando, March 2001.
433. J.G. Stark, H. Derendorf, H. Möllmann, G. Hochhaus  
The influence of administration time on the systemic effects observed during corticosteroid therapy  
Pharmaceutical Congress of the Americas, Orlando, March 2001.
434. H. Derendorf  
Can we predict therapeutic failure with pharmacodynamic models?  
16<sup>th</sup> International Course on Chemotherapy, Bratislava, May 2001.
435. H. Derendorf  
The role of the pharmacist in the new century  
Pharmacy Strategic Economic Forum, Oberhausen, May 2001.
436. H. Derendorf  
Basic concepts of pharmacokinetics and pharmacodynamics  
33<sup>rd</sup> Annual Meeting of the German Society for Internal Emergency Medicine, Halle, June 2001.
437. H. Derendorf  
Interstitial tissue concentrations of cefpodoxime in humans  
22<sup>nd</sup> International Congress of Chemotherapy, Amsterdam, July 2001.
438. H. Derendorf  
Rational dosing: The use of plasma concentrations versus tissue concentrations  
ISAP Symposium: Developments in PK/PD: Optimizing Efficacy and Prevention of Resistance, Nijmegen, July 2001.
439. E.S. El Desoky, N.V. Nagaraja, M.S. Abdel-Rahman, S. El Din Amry, H. Derendorf  
Population pharmacokinetics of digoxin in Egyptian pediatric patients  
7<sup>th</sup> International Congress on Therapeutic Drug Monitoring and Clinical Toxicology, Washington, September 2001.
440. H. Derendorf  
Innovations in antibiotics therapy  
4<sup>th</sup> Antibiotics Conference, Rostock, September 2001.
441. H. Derendorf  
Pharmacodynamics in the elderly  
16th Annual Meeting of the American Association of Pharmaceutical Scientists, Denver, October 2001.
442. H. Derendorf  
PK/PD-based development of modified-release dosage forms of established drugs as an alternative to clinical efficacy testing  
16th Annual Meeting of the American Association of Pharmaceutical Scientists, Denver, October 2001.

443. H. Derendorf  
Microdialysis-based PK/PD-approaches in antimicrobial drug development  
16th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Denver, October 2001.
444. A. Buchwald, W. Wu, N.V. Nagaraja, H. Derendorf, N. Bodor  
The rationale of soft drug design confirmed by pharmacokinetic and  
pharmacodynamic results on soft-cannabinoid analogs  
16th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Denver, October 2001.
445. J. Kurz, N.V. Nagaraja, S. Balbach, J. Barth, R. Schumann, G. Hochhaus, H.  
Möllmann, H. Derendorf  
Population pharmacokinetics of methylprednisolone in patients with acute spinal  
cord injury  
16th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Denver, October 2001.
446. P. Liu, A. Webb, H. Derendorf  
Tissue penetration of cefpodoxime measured by microdialysis  
16th Annual Meeting of the American Association of Pharmaceutical Scientists,  
Denver, October 2001.
447. H. Derendorf  
Pharmacokinetics and pharmacodynamics in the elderly  
ABDA Symposium Gesünder länger leben, Frankfurt, November 2001.
448. H. Derendorf  
Collaboration of Clinical Pharmacy and Clinical Pharmacology  
3<sup>rd</sup> Annual Conference of Clinical Pharmacology, Cologne, November 2001.
449. H. Derendorf  
Microdialysis for PK/PD-studies  
3<sup>rd</sup> Annual Conference of Clinical Pharmacology, Cologne, November 2001.
450. H. Derendorf  
The general concepts of pharmacokinetics and pharmacodynamics  
ISAP Workshop at the 41<sup>st</sup> Annual Interscience Conference on Antimicrobial Agents  
and Chemotherapy, Chicago, December 2001.
451. H. Derendorf  
The general concepts of PK/PD modeling  
ISAP Workshop at the 41<sup>st</sup> Annual Interscience Conference on Antimicrobial Agents  
and Chemotherapy, Chicago, December 2001.
452. A. Khunvichai, M. Hirt, M. Karmann, L. Joliff, K. Rand, H. Derendorf  
A novel indirect response pharmacokinetic/pharmacodynamic model to characterize  
the effect of faropenem on Streptococcus pneumoniae and Haemophilus influenzae  
41<sup>st</sup> Annual Interscience Conference on Antimicrobial Agents and Chemotherapy,  
Chicago, December 2001.
453. K. Erb, N.V. Nagaraja, B. Pechstein, C. Klipping, R. Hermann, H. Derendorf  
PK/PD modeling of hormone effects by cetrorelix  
Annual Meeting of the Association for Applied Human Pharmacology, Garmisch-  
Partenkirchen, January 2002.
454. H. Derendorf  
What constitutes the ideal inhaled corticosteroid?  
Current Status of Inhaled Corticosteroids for Asthma, New York, February 2002.
455. H. Derendorf  
Optimizing oral drug delivery: Pharmacokinetics and pharmacodynamics  
Strategies for Oral Drug Delivery, Lake Tahoe, March 2002.
456. H. Derendorf, V.A. Bhattaram, S. Boettcher, J. Dasenbrock, T. Machnig, T. Peters,  
A. Kovar, N.V. Nagaraja  
Population pharmacokinetics of eniporide and its emtabolite in healthy volunteers  
and patients  
Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics,  
Atlanta, March 2002.
457. H. Derendorf  
PK/PD modelling of anti-Infectives  
Fourth International Symposium on Measurement and Kinetics of In Vivo Drug  
Effects, Noordwijkerhout, April 2002.

458. H. Derendorf  
New aspects for the evaluation of antibiotics  
Workshop Clinical Pharmacy, Munich, May 2002.
459. H. Derendorf, H. Möllmann  
Are all steroids alike?  
Workshop Clinical Pharmacy, Munich, May 2002.
460. H. Derendorf  
Pharmacokinetics and pharmacodynamics of anti-infective drugs  
Annual Meeting of the Slovak Society of Chemotherapy, Bratislava, May 2002.
461. H. Derendorf  
New insights into inhaled corticosteroids  
2002 American Thoracic Society Annual Meeting, Atlanta, May 2002.
462. H. Derendorf  
Integrating preclinical data into the clinical phase of the drug development process  
AAPS Workshop on Exposure Response Relationships, Arlington, June 2002.
463. S. Rohatagi, H. Derendorf, K. Zech  
Risk-benefit value of inhaled corticosteroids: A pharmacokinetic/pharmacodynamic perspective  
45<sup>th</sup> Annual Thomas L. Petty Lung Conference, Aspen, June 2002.
464. P. Liu, M. Müller, M. Grant, A.I. Webb, B. Obermann, H. Derendorf  
Interstitial tissue concentrations of cefpodoxime using microdialysis  
3<sup>rd</sup> International Symposium on Microdialysis in Drug Research & Development, Minneapolis, June 2002.
465. V. Schuck, M. Müller, M. Grant, G. Hochhaus, H. Derendorf  
Use of microdialysis to evaluate dexamethasone tissue distribution  
3<sup>rd</sup> International Symposium on Microdialysis in Drug Research & Development, Minneapolis, June 2002.
466. H. Derendorf  
Biomarkers and PK/PD Modeling  
AAPS National Biotechnology Conference, San Diego, June 2002.
467. R.P.E. Yanong, E.W. Curtis, V.A. Bhattaram, M. Gopalakrishnan, N. Ketabi, N.V. Nagaraja, H. Derendorf, R. Simmons  
Single-dose pharmacokinetics of florfenicol in Koi (*Cyprinus carpio*) and Gourami (*Trichogaster trichopterus*)  
4<sup>th</sup> International Symposium on Aquatic Animal Health, New Orleans, September 2002.
468. H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling in oncology  
Meeting of the Austrian Society of Oncology Pharmacy, Vienna, September 2002.
469. P. Liu, M. Müller, M. Grant, K. Rand, H. Derendorf  
Pharmacokinetics and pharmacodynamics of cefpodoxime and cefixime  
31<sup>st</sup> Annual Meeting of the American College of Clinical Pharmacology, San Francisco, September 2002.
470. V.A. Bhattaram, C. deMey, H. Stammer, C. Beichl, K. Erb, R. Beise, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of ACE inhibition by a modified release captopril formulation based on total and free concentrations  
31<sup>st</sup> Annual Meeting of the American College of Clinical Pharmacology, San Francisco, September 2002.
471. H. Derendorf  
Pharmacokinetics of beta-lactam inhibitors  
ICAAC Wyeth Symposium on Therapy of Nosocomial Infections, San Diego, September 2002.
472. H. Derendorf  
The general concepts of pharmacokinetics and pharmacodynamics  
ISAP Workshop at the 42<sup>nd</sup> Annual Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, September 2002.
473. H. Derendorf  
The general concepts of PK/PD modeling  
ISAP Workshop at the 42<sup>nd</sup> Annual Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, September 2002.

474. E.L. Schuck, A. Dalhoff, H. Stass, H. Derendorf  
Pharmacokinetic-pharmacodynamic (PK/PD) evaluation of a once-daily treatment using ciprofloxacin in an extended-release dosage form  
42<sup>nd</sup> Annual Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, September 2002.
475. H. Derendorf  
Are all corticosteroids alike?  
57<sup>th</sup> Annual Meeting of the Southeastern Allergy, Asthma and Immunology Society, Sea Island, October 2002.
476. S. Wittemer, M. Ploch, T. Windeck, S. Müller, B. Drewelow, H. Derendorf, M. Veit  
Bioavailability of caffeoylquinic acids and flavonoids in humans after application of two different artichoke leaf extracts  
Annual Meeting of the German Pharmaceutical Society, Berlin, October 2002.
477. E.L. Schuck, V.A. Bhattaram, H. Derendorf  
Antibiotic therapy during space flights: A disaster bound to happen? Use of Monte Carlo Simulations to evaluate 1G recommended dosing regimens of ciprofloxacin in microgravity  
International Head-Out Water Immersion Symposium, Houston, October 2002.
478. H. Derendorf  
Relevance of protein binding and lung activation for inhaled corticosteroids  
Inhaled Corticosteroids in Asthma Management, Cannes, November 2002.
479. A. Khunvichai, M. Hirt, M. Karmann, K. Rand, H. Derendorf  
A novel indirect response PK-PD model to characterize the effect of faropenem on *Streptococcus pneumoniae* and *Haemophilus influenzae*  
Globalization of Pharmaceutics Education Network Meeting, Ann Arbor, November 2002.
480. J. Kurz, V.A. Bhattaram, H. Derendorf  
Predictions of dose-dependent pharmacokinetics of prednisolone  
Globalization of Pharmaceutics Education Network Meeting, Ann Arbor, November 2002.
481. P. Liu, M. Müller, M. Grant, K. Rand, H. Derendorf  
Pharmacokinetics and pharmacodynamics of cefpodoxime and cefixime  
Globalization of Pharmaceutics Education Network Meeting, Ann Arbor, November 2002.
482. Q. Liu, N. Lambert, S. Hintze, K. Rand, H. Derendorf  
In vitro pharmacodynamic modeling of ceftriaxone  
Globalization of Pharmaceutics Education Network Meeting, Ann Arbor, November 2002.
483. V.A. Schuck, M. Müller, M. Grant, G. Hochhaus, H. Derendorf  
Use of microdialysis to evaluate dexamethasone tissue distribution after oral and topical administration  
Globalization of Pharmaceutics Education Network Meeting, Ann Arbor, November 2002.
484. J. Kurz, V.A. Bhattaram, H. Derendorf  
Predictions of dose-dependent pharmacokinetics of prednisolone  
2002 AAPS Annual Meeting and Exposition, Toronto, November 2002.
485. V.A. Schuck, M. Müller, M. Grant, G. Hochhaus, H. Derendorf  
Use of microdialysis to evaluate dexamethasone tissue distribution after oral and topical administration  
2002 AAPS Annual Meeting and Exposition, Toronto, November 2002.
486. V.A. Bhattaram, R.P.E. Yanong, E. Curtis, N. Ketabi, M. Gopalakrishnan, N.V. Nagaraja, H. Derendorf  
Single dose pharmacokinetic studies of florfenicol in Koi (*Cyprinus carpio*) and Blue Gouramis (*Trichogaster trichopterus*)  
2002 AAPS Annual Meeting and Exposition, Toronto, November 2002.
487. V.A. Bhattaram, A.L. Shrods, G.N. Henderson, A.D. Hutson, S. Krishna, G. Bedo-Addo, A. Owusu-Ofori, N.V. Nagaraja, T. Planche, T. Agbenyega, D. Ansong, H. Derendorf, P.W. Stacpoole  
Population kinetics-dynamics, efficacy and safety of dichloroacetate for lactic acidosis due to severe malaria  
2002 AAPS Annual Meeting and Exposition, Toronto, November 2002.

488. P. Liu, M. Grant, M. Müller, K. Rand, H. Derendorf  
Pharmacokinetics and pharmacodynamics of cefpodoxime and cefixime  
2002 AAPS Annual Meeting and Exposition, Toronto, November 2002.
489. Q. Liu, N. Lamberty, S. Hintze, K. Rand, H. Derendorf  
In vitro pharmacodynamic modeling of ceftriaxone  
2002 AAPS Annual Meeting and Exposition, Toronto, November 2002.
490. A. Khunvichai, M. Hirt, M. Karmann, K. Rand, H. Derendorf  
A novel indirect response PK-PD model to characterize the effect of faropenem on  
*Streptococcus pneumoniae* and *Hemophilus influenzae*  
2002 AAPS Annual Meeting and Exposition, Toronto, November 2002.
491. H. Derendorf  
Integrating preclinical data into clinical phases of drug development  
EUFEPS Conference on Optimising Drug Development, Basel, December 2002.
492. H. Derendorf  
Biomarkers and PK/PD Modelling  
Conference on Innovative Strategies for Achieving Clinical Proof-of-Concept,  
Phoenix, January 2003.
493. E.L. Schuck, A. Dalhoff, H. Stass, H. Derendorf  
Pharmacokinetic-pharmacodynamic (PK/PD) evaluation of a once-daily treatment using  
ciprofloxacin in an extended-release dosage form  
Hot Topics in Urinary Tract Infections, Budapest, January 2003.
494. S. Rohatagi, H. Derendorf, K. Zech, R. Nave, D. Banerji  
PK/PD of Inhaled Corticosteroids: The Risk/Benefit of Inhaled Ciclesonide  
60<sup>th</sup> Anniversary Meeting of AAAAI, Denver, March 2003.
495. H. Derendorf, H. Möllmann  
Are all steroids alike?  
Garmisch Drug Forum, Garmisch-Partenkirchen, April 2003.
496. H. Derendorf  
Microdialysis in drug development  
Health Care Forum NRW, Cologne, April 2003.
497. H. Derendorf  
The general concepts of pharmacokinetics and pharmacodynamics  
13<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Glasgow,  
May 2003.
498. H. Derendorf  
Kill curve analysis  
13<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Glasgow,  
May 2003.
499. H. Derendorf  
Clinical pharmacokinetic monitoring  
4<sup>th</sup> Spring Conference on Clinical Pharmacy, Lisbon, May 2003.
500. H. Derendorf  
Redirecting our attention to the PK/PD profile: Relevance in clinical practice  
XXII Congress of the European Academy of Allergology and Clinical Immunology,  
Paris, June 2003.
501. H. Derendorf  
Modelling of anti-infective drugs  
10<sup>th</sup> Scientific Meeting of the European Society of Chemotherapy  
Vienna, June 2003.
502. H. Derendorf  
PK/PD of ICS therapy and the clinical implications  
MST Asthma Educational Session, Baltimore, August 2003.
503. E.S. El Desoky, V.A. Bhattaram, S. El Din Amry, H. Derendorf  
Population analysis of intravenous digoxin therapy in pediatric patients  
8<sup>th</sup> International Congress of Therapeutic Drug Monitoring & Clinical Toxicology,  
Basle, September 2003.
504. H. Derendorf  
MIC indices or kill curve analysis. Pro and cons.  
Workshop on Predictive Value of PK/PD Models of Antimicrobial Drugs, Leiden,  
September 2003.

505. H. Derendorf  
New methods to investigate the antibacterial efficacy of antibiotics  
Workshop on Antibiotic Therapy of Ambulatory Acquired Pulmonary Infections,  
Zurich, September 2003.
506. H. Derendorf  
The general concepts of pharmacokinetics and pharmacodynamics  
43<sup>rd</sup> Annual ICAAC, Chicago, September 2003.
507. H. Derendorf  
Kill curve analysis  
43<sup>rd</sup> Annual ICAAC, Chicago, September 2003.
508. H. Derendorf  
New developments in tissue pharmacokinetics  
43<sup>rd</sup> Annual ICAAC, Chicago, September 2003.
509. Q. Liu, K.H. Rand, H. Derendorf  
Impact of tazobactam pharmacokinetics on the antimicrobial effect of piperacillin-  
tazobactam combinations  
43<sup>rd</sup> Annual ICAAC, Chicago, September 2003
510. E.L. Schuck, A. Dalhoff, H. Stass, H. Derendorf  
Modeling the biphasic killing kinetics of ciprofloxacin  
12<sup>th</sup> ISAP International Symposium, Chicago, September 2003.
511. Q. Liu, K. Rand, H. Derendorf  
PK/PD Modeling of antiinfective activity and resistance  
12<sup>th</sup> ISAP International Symposium, Chicago, September 2003.
512. Q. Liu, K. Rand, H. Derendorf  
Impact of tazobactam pharmacokinetics on the antimicrobial effect of piperacillin-  
tazobactam combinations  
12<sup>th</sup> ISAP International Symposium, Chicago, September 2003.
513. H. Derendorf  
Seeking to improve the benefit-risk ratio of inhaled steroids  
Child & Adolescent Asthma - Current & Future Management, Chicago, September 2003.
514. H. Derendorf  
New developments in the area of inhaled glucocorticoids  
32<sup>nd</sup> Annual Meeting of the American College of Clinical Pharmacology, Tampa,  
September 2003.
515. H. Derendorf  
Pharmacokinetics of natural products  
32<sup>nd</sup> Annual Meeting of the American College of Clinical Pharmacology, Tampa,  
September 2003.
516. J. Winkler, V.A. Bhattaram, H. Derendorf  
Predictions of dose-dependent pharmacokinetics and pharmacodynamics of  
prednisolone  
32<sup>nd</sup> Annual Meeting of the American College of Clinical Pharmacology, Tampa,  
September 2003.
517. A. Khunvichai, M. Karmann, M. Hirt, L. Joliffe, H. Derendorf  
Pharmacokinetic/pharmacodynamic modeling of faropenem daloxate  
32<sup>nd</sup> Annual Meeting of the American College of Clinical Pharmacology, Tampa,  
September 2003.
518. E.L. Schuck, A. Dalhoff, H. Stass, H. Derendorf  
Pharmacokinetic/pharmacodynamic (PK/PD) evaluation of a once-daily treatment  
using ciprofloxacin in an extended-release dosage form  
32<sup>nd</sup> Annual Meeting of the American College of Clinical Pharmacology, Tampa,  
September 2003.
519. H. Derendorf  
Pharmacokinetics and pharmacodynamics of anti-infective agents in renal impairment  
NephroPharmacology 7, Ulm, October 2003.
520. H. Derendorf  
Integration of preclinical data to streamline clinical drug development  
2003 AAPS Annual Meeting, Salt Lake City, October 2003.

521. V.A. Schuck, I. Rinas, H. Derendorf  
In vitro microdialysis of docetaxel  
2003 AAPS Annual Meeting, Salt Lake City, October 2003.
522. A. Khunvichai, M. Hirt, M. Karmann, L.Joliff, I. Zdrojewski, K. Rand, H. Derendorf  
A novel indirect response PK-PD model to characterize the effect of faropenem on  
Streptococcus pneumoniae and Haemophilus influenzae  
2003 AAPS Annual Meeting, Salt Lake City, October 2003.
523. E.L. Schuck, A. Dalhoff, H. Stass, H. Derendorf  
Modeling the biphasic killing kinetics of quinolones  
2003 AAPS Annual Meeting, Salt Lake City, October 2003.
524. H. Derendorf  
How the lung handles drugs, permeability, metabolism and retention  
Transatlantic Airway Conference, Lucerne, January 2004.
525. H. Derendorf  
Pharmacokinetics of antimicrobial agents  
Antibiotic Therapy and DRGs, Berlin, January 2004.
526. H. Derendorf  
Pharmacokinetics and pharmacodynamics: Relevance for asthma therapy  
45<sup>th</sup> Congress of the German Society for Pulmunology, Frankfurt, March 2004.
527. H. Derendorf  
Comparing potencies of inhaled steroids  
Annual Meeting of the American Academy of Allergy, Asthma and Immunology, San  
Francisco, March 2004.
528. H. Derendorf  
Microdialysis as a key technique to evaluate exposure-response relationships in  
drug development  
Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics,  
Miami, March 2004.
529. H. Derendorf  
Microdialysis as a key technique to evaluate exposure-response relationships in  
drug development  
FDA Committee for Advanced Education Workshop, Rockville, March 2004.
530. R. Madabushi, V.A. Bhattaram, E.L. Desoky, H. Derendorf  
Population pharmacokinetic analysis of digoxin in egyptian pediatric patients: A  
comparison of three different softwares  
6<sup>th</sup> Annual Conference & Themed Workshop of the East Coast Population Analysis  
Group, Rockville, April 2004.
531. H. Derendorf  
Pharmaceutical care and health care politics  
Konrad Adenauer Society, Langenfeld, April 2004.
532. H. Derendorf  
The general concepts of pharmacokinetics and pharmacodynamics  
14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Prague,  
May 2004.
533. H. Derendorf  
Kill-curve analysis  
14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Prague,  
May 2004.
534. H. Derendorf, P. Liu, K. Rand, B. Obermann  
Pharmacokinetic-pharmacodynamic modelling of activities of cefpodoxime and  
cefixime based on in vivo tissue concentrations and in vitro kill curves  
14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Prague,  
May 2004.
535. H. Derendorf  
What is the best marker for inhaled corticosteroid safety?  
Eastern Allergy Conference, Key Biscayne, May 2004.
536. H. Derendorf  
Dose selection for anti-infective drugs  
PharmForum 2004, Memphis, May 2004.

537. H. Derendorf  
The pharmacokinetic basis for once-daily dosing of inhaled corticosteroids  
100<sup>th</sup> International Conference of the American Thoracic Society, Orlando, May 2004.
538. Q. Liu, K. Rand, M. Müller, H. Stass, H. Derendorf  
Pharmacokinetic/pharmacodynamic (PK/PD) modeling and simulation of moxifloxacin  
Annual Infectious Diseases Pharmacotherapy Fellowship Forum, Vail, June 2004.
539. H. Derendorf  
Microdialysis as a key technique to evaluate exposure-response relationships in drug development  
4<sup>th</sup> International Symposium Microdialysis in Drug Research and Development, Vienna, June 2004.
540. E.L. Schuck, M. Grant, H. Deendorf  
Pharmacokinetics and tissue penetration of ciprofloxacin in simulated weightlessness: a pilot study  
4<sup>th</sup> International Symposium Microdialysis in Drug Research and Development, Vienna, June 2004.
541. V.A. Schuck, H. Derendorf  
In vitro and in vivo microdialysis of dexamethasone  
4<sup>th</sup> International Symposium Microdialysis in Drug Research and Development, Vienna, June 2004.
542. V.A. Schuck, I. Rinas, H. Derendorf  
In vitro microdialysis of docetaxel  
4<sup>th</sup> International Symposium Microdialysis in Drug Research and Development, Vienna, June 2004.
543. H. Derendorf  
Introduction to PK/PD  
World Conference on Dosing of Antiinfectives, Nürnberg, September 2004.
544. H. Derendorf  
PK/PD based on kill curves  
World Conference on Dosing of Antiinfectives, Nürnberg, September 2004.
545. H. Derendorf  
Dosing of antiinfectives in special populations  
World Conference on Dosing of Antiinfectives, Nürnberg, September 2004.
546. H. Derendorf  
Protein binding - a pharmacologist's view  
World Conference on Dosing of Antiinfectives, Nürnberg, September 2004.
547. H. Derendorf  
Pharmacodynamics of antibiotics  
World Conference on Dosing of Antiinfectives, Nürnberg, September 2004.
548. H. Derendorf  
PK/PD of inhaled corticosteroids  
Pharmacologists Workshop on Inhaled Corticosteroids, Konstanz, September 2004.
549. H. Derendorf  
PK/PD parameters and their impact on adverse events in inhaled corticosteroid therapy  
Asthma Management Update, New York, September 2004.
550. Q. Liu, K. Rand, M Müller, H. Stass, H. Derendorf  
Pharmacokinetic/pharmacodynamic modeling and simulation of moxifloxacin for the treatment of Streptococcus pneumoniae infections  
33<sup>rd</sup> Annual Meeting of the American College of Clinical Pharmacology, Phoenix, October 2004.
551. E. Schuck, M. Grant, H. Derendorf  
Effect of modeled microgravity on the deposition and tissue penetration of ciprofloxacin in healthy volunteers  
33<sup>rd</sup> Annual Meeting of the American College of Clinical Pharmacology, Phoenix, October 2004.
552. R. Madabushi, V. Bhattaram, E. ElDesoky, H. Derendorf  
Population pharmacokinetic analysis of digoxin in Egyptian pediatric patients with heart failure  
33<sup>rd</sup> Annual Meeting of the American College of Clinical Pharmacology, Phoenix, October 2004.

553. H. Derendorf  
Eng's principle and the fight against resistance  
Clinical PK/PD Symposium, Groton/New London, October 2004.
554. H. Derendorf  
Resistance development - A pharmacological approach  
Workshop on Antibiotic Therapy of Community Acquired Respiratory Tract Infections,  
Vienna, October 2004.
555. H. Derendorf  
The general concepts of pharmacokinetics and pharmacodynamics  
ISAP Workshop, Washington, October 2004.
556. H. Derendorf  
PK/PD based on kill curves  
ISAP Workshop, Washington, October 2004.
557. H. Derendorf  
Pharmacokinetics of beta-lactamase inhibitors  
Symposium on New trends in the Therapy of Nosocomial Infections, Washington,  
October 2004.
558. H. Derendorf  
Can variability in tissue penetration explain failures or successes of therapy?  
44<sup>th</sup> ICAAC, Washington, October 2004.
559. E.L. Schuck, M. Grant, L. Putcha, H. Derendorf  
Pharmacokinetic and pharmacodynamic evaluation of ciprofloxacin in modeled  
microgravity  
44<sup>th</sup> ICAAC, Washington, November 2004.
560. H. Derendorf, E. Schuck, Q. Liu, A. Khunvichai  
MIC versus kill curve-based PK/PD indices  
44<sup>th</sup> ICAAC, Washington, November 2004.
561. H. Derendorf  
MIC vs. Kill curve-based PK/PD indices  
44<sup>th</sup> ICAAC, Washington, November 2004.
562. E.L. Schuck, M. Grant, L. Putcha, H. Derendorf  
Pharmacokinetic and pharmacodynamic evaluation of ciprofloxacin in modeled  
microgravity  
ISAP Symposium, Washington, November 2004.
563. H. Derendorf  
Examples of how PK/PD models that incorporate biomarkers and surrogate endpoints  
can be used to accelerate drug development: Corticosteroids  
AAPS Workshop Clinical Biomarkers in Drug Development, Baltimore, November 2004.
564. J. Shen, H. Bozigian, H. Derendorf, S. Struthers, T. Chen, R. Jimenez, B. Campbell  
Pharmacokinetic and pharmacodynamic evaluation of NBI-42902, a new gonadotropin  
releasing hormone antagonist, in healthy post-menopausal women  
2004 AAPS Annual Meeting, Baltimore, November 2004.
565. S. Sarawek, F. Qadan, H. Derendorf, V. Butterweck  
An extract of Gundelia tournefortii L. shows hypouricemic activity in in vitro and  
in vivo assays  
2004 AAPS Annual Meeting, Baltimore, November 2004.
566. V. Schuck, H. Derendorf  
Dexamethasone tissue penetration determined by microdialysis  
2004 AAPS Annual Meeting, Baltimore, November 2004.
567. R. Madabushi, V. Bhattaram, E. El Desoky, H. Derendorf  
Intravenously administered digoxin in Egyptian pediatric patients with heart  
failure: Population pharmacokinetic analysis  
2004 AAPS Annual Meeting, Baltimore, November 2004.
568. R. Madabushi, V. Bhattaram, E. El Desoky, H. Derendorf  
Mixed effects modeling of sparse data: A comparison of NONMEM and PKBUGS  
2004 AAPS Annual Meeting, Baltimore, November 2004.
569. Q. Liu, K. Rand, M. Mueller, H. Stass, H. Derendorf  
Pharmacokinetic/pharmacodynamic (PK/PD) modeling of antimicrobial effect and

- resistance development for moxifloxacin and ceftriaxone  
2004 AAPS Annual Meeting, Baltimore, November 2004.
570. E. Schuck, M. Grant, L. Putcha, H. Derendorf  
Pharmacokinetics and pharmacodynamics of ciprofloxacin in simulated microgravity  
2004 AAPS Annual Meeting, Baltimore, November 2004.
571. H. Derendorf, C.P. VanderMaelen, R.S. Brickl, W. Eisert  
Improved dipyrindamole formulation insures absorption in elderly patients  
Karolinska Stroke Update, Stockholm, November 2004.
572. H. Derendorf  
Corticosteroid PK/PD parameters and their relationship to safety and efficacy  
Southwest Allergy Forum, Puerto Vallarta, January 2005.
573. H. Derendorf  
Integration of PK-PD modeling and simulation in the development of new anti-  
infective agents  
Annual Meeting of the American Society of Clinical Pharmacology and Therapeutics,  
Orlando, March 2005.
574. H. Derendorf  
Pharmacology of inhaled corticosteroids: Are they all alike?  
Annual Meeting of the German Pulmunology Society, Berlin, March 2005.
575. H. Derendorf  
Basics of pharmacokinetics and pharmacodynamics  
Workshop on Optimum Therapy of Complicated Infections, Berlin, March 2005.
576. H. Derendorf  
Pharmacokinetics and pharmacodynamics of piperacillin-tazobactam and tigecycline  
Workshop on Optimum Therapy of Complicated Infections, Berlin, March 2005.
577. H. Derendorf, P. Liu, K. Rand, B. Obermann  
MIC vs. kill curve based pharmacokinetic/pharmacodynamic modeling of activities of  
cefepodoxime and cefixime  
15<sup>th</sup> ECCMID, Copenhagen, April 2005
578. H. Derendorf  
The importance of protein binding and how to expose highly-protein bound  
antimicrobials in the in-vitro model  
Post-ECCMID ISAP Meeting, Copenhagen, April 2005.
579. H. Derendorf  
Pharmacology of inhaled corticosteroids - Are they all alike?  
Pneumological Workshop on Asthma, Frankfurt, April 2005.
580. H. Derendorf  
Daptomycin - Profile, pharmacokinetics, pharmacodynamics and side effects  
Daptomycin Expert Meeting, Berlin, April 2005.
581. H. Derendorf, G. Hochhaus  
Relevance of pharmacokinetic and pharmacodynamic data in the efficacy and safety  
of inhaled corticosteroids  
5<sup>th</sup> Retrometabolism Based Drug Design and Targeting Conference, Hakone, May 2005
582. H. Derendorf  
Special PK/PD characteristics of proteins and peptides  
1<sup>st</sup> PharmSciFair, Nice, June 2005.
583. H. Derendorf  
Optimizing drug development of anti-infective agents using pharmacokinetics and  
pharmacodynamics  
Faculty Award Presentation, University of Utrecht, June 2005.
584. H. Derendorf, S. Mertens-Talcott, V. Butterweck  
Recent advances in food-drug interactions: How concerned should we be?  
2005 Institute of Food Technologists Annual Meeting, New Orleans, July 2005.
585. H. Derendorf, V. Butterweck  
Pharmacokinetics and drug interactions of herbal medicinal products  
53<sup>rd</sup> Annual Congress of the Society for Medicinal Plant Research, Florence, August  
2005
586. W.V. de Castro, S. Mertens-Talcott, A. Rubner, V. Butterweck, H. Derendorf  
Great variability of flavonoids and furanocoumarins in commercially available

- grapefruit juices: A source of inconsistency in grapefruit-drug interaction studies  
53<sup>rd</sup> Annual Congress of the Society for Medicinal Plant Research, Florence, August 2005
587. M.J. Salvador, S. Mertens-Talcott, E.O. Ferreira, W.V. de Castro, V. Butterweck, H. Derendorf, D.A. Dias  
Phenolic constituents and antioxidant capacity of *Alternanthera tenella* Colla  
53<sup>rd</sup> Annual Congress of the Society for Medicinal Plant Research, Florence, August 2005
588. W.V. de Castro, S. Mertens-Talcott, A. Rubner, V. Butterweck, H. Derendorf  
Flavonoids and furanocoumarins in grapefruit juice: Analysis and effect of naringin and 6',7'-dihydroxybergamottin on P-glycoprotein in vitro  
34<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Rockville, September 2005.
589. O. Burkhardt, R. Madabushi, C. Lehmann, T. Welte, H. Derendorf  
Once-daily tobramycin in cystic fibrosis: Better clinical outcome than tid but more resistance development?  
34<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Rockville, September 2005.
590. H. Derendorf  
In vitro and animal models for the development of surrogate markers for optimal microbiological and clinical outcome  
34<sup>th</sup> Annual Meeting of the American College of Clinical Pharmacology, Rockville, September 2005.
591. H. Derendorf  
Quantification of biomarkers and integration with exposure for dose optimization  
AAPS Workshop on Integrated Roadmap to Biomarkers for Drug Development - Method Validation and Qualification, Rockville, September 2005.
592. H. Derendorf  
PK/PD in special populations  
7<sup>th</sup> European Congress of Chemotherapy and Infection, Florence, October 2005.
593. H. Derendorf  
PK/PD - does it make a difference?  
7<sup>th</sup> European Congress of Chemotherapy and Infection, Florence, October 2005.
594. H. Derendorf  
Trends in Pharmacy and opportunities for the future  
Forum Futurum, Miami, November 2005.
595. V. Kumar, R. Madabushi, L.A. Boothby, H. Derendorf  
Development and validation of an HPLC-UV method for oxytocin quantitation in Ringer lactate solution for stability studies  
AAPS Annual Meeting, Nashville, November 2005.
596. W. Castro, S. Talcott-Mertens, A. Rubner, V. Butterweck, H. Derendorf  
Analysis of flavonoids and furanocoumarins in grapefruit juice  
AAPS Annual Meeting, Nashville, November 2005.
597. O. Burkhardt, C. Lehmann, R. Madabushi, T. Welte, H. Derendorf  
Once daily tobramycin in cystic fibrosis: Better clinical outcome than TID but more resistance development?  
45<sup>th</sup> Annual ICAAC, Washington, December 2005.
598. H. Derendorf  
Is protein binding important for lipophilic drugs?  
45<sup>th</sup> Annual ICAAC, Washington, December 2005.
599. H. Deendorf  
Modeling and simulation for drug candidate selection  
AGAH/ACCP Workshop on Computer Simulation and its Role in Drug Development, Düsseldorf, February 2006.
600. H. Derendorf  
Improving asthma therapy through scientific innovation  
American Academy of Allergy, Asthma and Immunology, Miami, March 2006.
601. H. Derendorf, G. Hochhaus  
The effect of protein binding on adrenal suppression potential of inhaled

- corticosteroids  
American Academy of Allergy, Asthma and Immunology, Miami, March 2006.
602. H. Derendorf  
Biomarker-guided drug development  
2006 Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics, Baltimore, March 2006
603. H. Derendorf  
Use of PK/PD modeling to streamline drug development  
2006 Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics, Baltimore, March 2006
604. H. Derendorf  
Pharmacokinetic exposure, response and dermal drug absorption  
2006 Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics, Baltimore, March 2006
605. S. Mertens-Talcott, W.V. de Castro, V. Butterweck, H. Derendorf  
Grapefruit drug interactions: The effect of furanocoumarins and polymethoxylated flavones on P-glycoprotein activity in vitro  
2006 FASEB Meeting, San Francisco, April 2006.
606. W. Treyapasert, U. Suvanakoot, H. Derendorf  
Pharmacokinetic-pharmacodynamic modeling of in vitro activity of azithromycin against four different bacterial strains  
16th European Congress of Clinical Microbiology and Infectious Diseases, Nice, April 2006.
607. S. Schmidt, O. Burkhardt, W. Treyapasert, H. Derendorf  
PK/PD challenges of in vitro time-kill curves - a new modelling approach  
16th European Congress of Clinical Microbiology and Infectious Diseases, Nice, April 2006.
608. S. Schmidt, O. Burkhardt, S. Schubert, A. Dalhoff, H. Derendorf  
Carbapenems - differences in their antibacterial activity due to their protein binding  
16th European Congress of Clinical Microbiology and Infectious Diseases, Nice, April 2006.
609. S. Schmidt, O. Burkhardt, M. Sahre, H. Derendorf  
Experimental pitfalls in protein binding measurements  
16th European Congress of Clinical Microbiology and Infectious Diseases, Nice, April 2006.
610. J. Barth, D. Jäger, M. Müller, O. Burkhardt, H. Derendorf  
Penetration of moxifloxacin into normal and infected subcutaneous tissue in patients with spinal cord injury measured by microdialysis  
16th European Congress of Clinical Microbiology and Infectious Diseases, Nice, April 2006.
611. H. Derendorf  
Use of biomarkers, modeling and simulation to streamline drug development  
11<sup>th</sup> Pharmacokinetic/Pharmacodynamic Expert Meeting, Berlin, May 2006.
612. H. Derendorf  
The race against resistance: How can we find new drugs against bad bugs  
South Eastern Regional Interdisciplinary Symposium, Gainesville, May 2006.
613. H. Derendorf  
Strengths and weakness of antimicrobial PK/PD analysis  
Third International Conference on Antimicrobial Agents in Veterinary Medicine, Orlando, May 2006.
614. H. Derendorf  
Clinical trials and FDA process  
British Medical Association, London, July 2006.
615. H. Derendorf  
Pharmacokinetic options  
Symposium on Multiresistance and New Antibiotics, Hannover, July 2006.
616. H. Derendorf  
Pharmacokinetic options  
Symposium on Multiresistance and New Antibiotics, Hamburg, August 2006.

617. W.V. DeCastro, S.U. Mertens-Talcott, H. Derendorf, V. Butterweck  
Grapefruit Juice Drug Interactions: grapefruit juice and its components inhibit P-glycoprotein mediated transport of talinolol in Caco-2 Cells  
47th Annual Meeting of the American Society of Pharmacognosy, Arlington, August 2006.
618. W.V. DeCastro, S.U. Mertens-Talcott, H. Derendorf, V. Butterweck  
Grapefruit Juice Drug Interactions: grapefruit juice and its components inhibit P-glycoprotein mediated transport of talinolol in Caco-2 Cells  
54th Annual Meeting of the Society of Medicinal Plant Research, Helsinki, September 2006.
619. H. Derendorf  
Which characteristics of an ICS do you consider to have the most significant impact of effectiveness of the agent?  
European Respiratory Society Annual Congress, Munich, September 2006.
620. H. Derendorf  
Pharmacokinetic options  
Symposium on Multiresistance and New Antibiotics, Berlin, September 2006.
621. H. Derendorf  
PK/PD as basis of dose optimization  
Annual Meeting of the German Society for Hygiene and Microbiology, Würzburg, October 2006.
622. H. Derendorf  
Information on GI performance: nice-to-know or essential tool for accelerated product development and approval?  
Symposium on Magnetic Marker Monitoring, Berlin, October 2006.
623. H. Derendorf  
Pharmacokinetics of lipoproteins  
Daptomycin Symposium, Langenlois, October 2006.
624. S. Sarawek, H. Derendorf, V. Butterweck  
Xanthine oxidase inhibitory activity of various flavonoids in vitro on plasma uric acid levels in oxonate-induced rats  
AAPS Annual Meeting, San Antonio, October 2006.
625. V. Kumar, O. Burkhardt, M. Pletz, T. Welte, H. Lode, H. Derendorf  
Comparison of pharmacodynamic target attainment of ertapenem in healthy volunteers and intensive care unit patients using Monte Carlo simulations  
AAPS Annual Meeting, San Antonio, October 2006.
626. V.W. DeCastro, S. Talcott, V. Butterweck, H. Derendorf  
Effects of grapefruit juice and its components on the activity of P-glycoprotein  
AAPS Annual Meeting, San Antonio, October 2006.
627. S. Talcott, V.W. DeCastro, H. Derendorf, V. Butterweck  
Citrus flavonoids in the inhibition of P-glycoprotein in vitro  
AAPS Annual Meeting, San Antonio, October 2006.
628. H. Derendorf  
Inhaled corticosteroids today: Are they lessening the systemic effects  
ACAAI Annual Meeting, Philadelphia, November 2006.
629. H. Derendorf  
Pharmacokinetic/pharmacodynamic modeling: Current concepts  
Conference on Effective Integration of Systems Biology, Biomarkers, Biosimulation and Modelling in Streamlining Drug Development, Basel, November 2006.
630. M. Lobmeyer, H. Derendorf  
Clinical manifestation of polymorphisms - Consulting opportunities for pharmacists  
Bavarian Academy for Clinical Pharmacy, Würzburg, December 2006.
631. W. Treyprasert, U. Suvanakoot, H. Derendorf  
Pharmacokinetic-Pharmacodynamic Modeling of In Vitro Activity of Azithromycin Against Four Different Bacterial Strains  
23rd Annual Research Conference in Pharmaceutical Sciences and JSPS of Asia/Africa Scientific Program, Bangkok, December 2006.
632. S. Schmidt, H. Derendorf  
PK/PD modeling of linezolid against MRSA

- 17<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Munich, March 2007.
633. H. Derendorf  
Introduction to PK/PD of anti-infectives - the essentials in 60 minutes  
1<sup>st</sup> Symposium on PK/PD-approaches to suppression of resistance to anti-infectives, Munich, March 2007.
634. H. Derendorf  
Models of infection: In vitro vs. in vivo  
1<sup>st</sup> Symposium on PK/PD-approaches to suppression of resistance to anti-infectives, Munich, March 2007.
635. H. Derendorf  
Introduction to PK/PD  
25<sup>th</sup> ICC Educational Workshop on Pharmacokinetics and pharmacodynamics of anti-infective agents, Munich, March 2007
636. H. Derendorf  
Pharmacokinetic options  
Symposium on Multiresistance and New Antibiotics, Munich, April 2007.
637. H. Derendorf  
Pharmacotherapy in the elderly  
3<sup>rd</sup> Pharmaceutical Sciences World Congress, Amsterdam, April 2007.
638. J. Xu, J. Winkler, H. Derendorf  
A novel pharmacokinetic/pharmacodynamic (PK/PD) approach to predict total prednisolone levels in human plasma  
3<sup>rd</sup> Pharmaceutical Sciences World Congress, Amsterdam, April 2007.
639. Y. Li, C.J. Clancy, M.H.T. Nguyen, H. Derendorf  
Time-kill and post-antifungal effects (PAFE) of voriconazole against Candida clinical strains: Verifying experimental validity by determination of voriconazole concentrations using HPLC  
3<sup>rd</sup> Pharmaceutical Sciences World Congress, Amsterdam, April 2007.
640. H. Derendorf  
The significance of an optimized formulation for dipyridamole  
16<sup>th</sup> European Stroke Conference, Glasgow, May 2007.
641. H. Derendorf  
Pharmacokinetic/pharmacodynamic studies in drug product development  
6<sup>th</sup> Retrometabolism Based Drug Design and Targeting Conference, Göd, June 2007.
642. H. Derendorf  
Pharmacists in the USA - Experience and future opportunities  
Northrhine Chamber of Pharmacists, Neuss, June 2007.
643. V. Kumar, E.S. ElDesoky, M.M. Hamdi, M. Alorainy, H. Derendorf  
Population pharmacokinetics of lithium in Egyptian patients with bipolar affective disorder  
36<sup>th</sup> ACCP Annual Meeting, San Francisco, September 2007.
644. S. Schmidt, D. Abbanat, P. Manitpisitkul, J. Blake, S. Sha, H. Derendorf  
Linezolid against MRSA - A new modeling approach  
36<sup>th</sup> ACCP Annual Meeting, San Francisco, September 2007.
645. H. Derendorf  
Tissue levels of antibiotics  
HAI-Congress of Anesthesiology and Intensive Care Medicine, Berlin, September 2007.
646. H. Derendorf  
Tissue penetration and PK/PD of antibiotics  
HAI-Congress of Anesthesiology and Intensive Care Medicine, Berlin, September 2007.
647. H. Derendorf  
Introduction to PK/PD  
47<sup>th</sup> Annual ICAAC, Chicago, September 2007.
648. H. Derendorf  
PK/PD based on kill curves  
47<sup>th</sup> Annual ICAAC, Chicago, September 2007.

649. H. Derendorf  
Shortcomings of current pharmacodynamic assessment tools  
47th Annual ICAAC, Chicago, September 2007.
650. S. Schmidt, A. Barbour, O. Ghobrial, D. Abbanat, P. Manitpisitkul, J. Blake, S. Sha, H. Derendorf  
Characterization of in vitro resistance to RWJ-416457 against MRSA compared to linezolid  
47th Annual ICAAC, Chicago, September 2007.
651. Y. Li, H. Derendorf, M.H. Nguyen, C.J. Clancy  
Pharmacokinetic (PK)/pharmacodynamic (PD) modeling of voriconazole activity against *Candida* spp. using a dynamic in-vitro model  
47th Annual ICAAC, Chicago, September 2007.
652. H. Badrane, M.H. Nguyen, V. Kumar, H. Derendorf, C.J. Clancy  
*Candida albicans* Irs4p interacts with Inp51p to regulate phosphatidylinositol-4,5-bisphosphate (PI(4,5)P<sub>2</sub>) levels, vesicle trafficking and virulence  
47th Annual ICAAC, Chicago, September 2007.
653. H. Derendorf  
Galenic formulations of dipyridamole  
Future Perspectives in Modern Stroke Management, Warsaw, September 2007.
654. H. Derendorf  
The use of PK/PD in drug development  
39th Brazilian Congress of Pharmacology and Experimental Therapeutics, Ribeirão Preto, October 2007.
655. J. Xu, J. Winkler, H. Derendorf  
Impact of dosing time on the pharmacokinetics/pharmacodynamics of prednisone  
AAPS 2007 Annual Meeting, San Diego, November 2007.
656. H. Derendorf  
PK/PD modeling and the rational selection of dosage regimens for the prudent use of antimicrobial drugs  
2nd Symposium on Antimicrobial Resistance in Animals and the Environment, Tours, December 2007.
657. Y. Li, M. Nguyen, H. Derendorf, C. J. Clancy  
Dynamic time-kill experiments and pharmacokinetic/pharmacodynamic mathematical models of voriconazole activity against *Candida* isolates in vitro support target peak concentrations of 4×MIC  
9th ASM Conference on *Candida* and Candidiasis, Jersey City, March 2008.
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## **Research Group**

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Dr. Volker Keuth (Post-doc)  
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Dr. George Henderson (Post-doc)  
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Dr. Maria Gogova (Post-doc)  
Dr. Rajanikanth Madabushi (Post-doc)  
Dr. Susanne Mertens-Talcott (Post-doc)  
Dr. Olaf Burkhardt (Post-doc)  
Dr. Vipul Kumar (Post-doc)  
Dr. Eliane Oliveira Ferreira (Post-doc)  
Dr. Marcos Salvador (Post-doc)  
Dr. Hao Pan (Post-doc)  
Dr. Sabarinath Sreedharan Nair (Post-doc)  
Prof. Maritza Cediél (Visiting Professor)  
Prof. Carolina Vivas (Visiting Professor)  
Prof. Cioli Rojas (Visiting Professor)  
Prof. Dr. Markus Müller (Visiting Professor)  
Prof. Dr. Samia Mostafa (Visiting Professor)  
Prof. Dr. Bernd Jilma (Visiting Professor)  
Kiman Kim (Visiting Scientist)  
Dr. Yan-hong Liu (Visiting Scientist)

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Amparo de la Peña (Graduate Student)

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Ping Liu (Graduate Student)  
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Dorothee Krone (Graduate Student)  
Antina Barger (Graduate Student)  
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Edgar Schuck (Graduate Student)  
Virna Schuck (Graduate Student)  
Qi Liu (Graduate Student)  
Sabine Wittemer (Graduate Student)  
Whocely Victor de Castro (Graduate Student)  
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Wanchai Treyaprasert (Graduate Student)  
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Jian Xu (Graduate Student)  
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Runa Naik (Graduate Student)

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Anke Rubner (Pharmacist, Research Associate)  
Melanie Hübner (Pharmacist, Research Associate)  
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Franziska Ihle (Pharmacist, Research Associate)  
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Sarah Dizayee (Pharmacist, Research Associate)  
Philos Shtapit (Pharmacist, Research Associate)  
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Martina Sahre (Pharmacist, Research Associate)  
Sandra Weiss (Pharmacist, Research Associate)  
Rebecca Banks (Pharmacist, Research Associate)  
Katharina Röck (Pharmacist, Research Associate)



## Funding for Research

1983 Division of Sponsored Research, University of Florida,  
New Faculty Research Support (\$9,480).

Hoechst-Roussel Pharmaceuticals, Inc. (with R.L. Yost)  
Prepharmacokinetic studies on cefotaxime and its  
metabolites (\$7,000).

Hoechst-Roussel Pharmaceuticals, Inc. (with R.L. Yost)  
Pharmacokinetic studies in morbidly obese patients  
using cefotaxime (\$22,000).

College of Pharmacy, University of Florida  
Biomedical Research Support Grant (\$5,000).

Perkin-Elmer Corp.  
Research Donation (\$2,687).

State of Florida  
Development of electrochemical techniques to determine  
morphine - derivatives (\$4,000).

1984 State of Florida  
Development of electrochemical techniques to determine  
morphine- derivatives (\$24,000).

College of Pharmacy, University of Florida  
Biomedical Research Support Grant  
(\$5,000).

Hugh Little  
Research Donation (\$12,000).

1985 Boots Inc. (with J. Perrin)  
Bioavailability of codeine and ibuprofen (\$65,520).

State of Florida  
Development of electrochemical techniques to determine  
morphine - derivatives (\$24,000).

Boots Inc. (with J. Perrin)  
Plasma levels of a new ibuprofen formulation (\$22,464).

Glaxo Inc.  
Interaction of sucralfate and ranitidine (\$9,000).

Boots Inc. (with J. Perrin)  
Bioavailability of ibuprofen suspensions (\$13,690).

- 1986 College of Pharmacy, University of Florida  
Biomedical Research Support Grant (\$1,950).
- Janssen Pharmaceuticals  
Comparison of Sufentanil vs Fentanyl vs Isoflurane in  
Neuroanesthesia (PI B. L. Grundy, \$35,000).
- Cyanamid  
Interaction between diclofenac and triamcinolone  
acetate (\$5,000).
- Embil Pharmaceuticals  
Analysis and stability of conjugated estrogens  
(\$1,500).
- State of Florida  
Development of electrochemical techniques to determine  
morphine - derivatives (\$18,638).
- 1987 Hoechst  
Pharmacokinetics of methylprednisolone phosphate  
(\$10,000).
- Hoffmann-LaRoche  
Erythrocyte binding of fleroxacin (\$8,300).
- Pharmatec Inc.  
Bioavailability of estradiol-CDS (\$9,000).
- Merck (with J. Perrin)  
Pharmacokinetic interactions between glipizide and  
lovastatin (\$10,395).
- 1988 Organon  
Pharmacokinetics of intraarticular glucocorticoids  
(\$10,816).
- Schering  
Bioavailability of theophylline (\$25,760).
- Pharmatec Inc.  
Bioavailability of estradiol-CDS (\$18,000).
- 1989 Pharmatec Inc.  
Bioavailability of estradiol-CDS (\$30,000).
- Xenon Inc. (with G. Hochhaus)  
Pharmacokinetics of glucocorticoids (\$11,000)

Bristol-Myers (with H. Schreier)  
Amikacin microemulsions for drug delivery (\$24,000)

1990 Pharmatec Inc.  
Bioavailability of estradiol-CDS (\$20,000).

PMA Foundation  
Evaluation of calcium blocker/beta blocker interactions  
(\$5,000)

Bristol-Myers (with H. Schreier)  
Amikacin microemulsions for drug delivery (\$46,000.00)

Xenon Inc. (with G. Hochhaus)  
Pharmacokinetics of loteprednol in dogs (\$16,000.00)

1991 Xenon Inc.  
Stability of soft drugs (\$3,500.00)

Thomae (with G. Hochhaus)  
Pharmacokinetics and pharmacodynamics of dexamethasone  
isonicotinate (\$43,000.00)

Schering-Plough  
Graduate Student Fellowship (\$15,000.00)

NASA  
Effects of simulated microgravity on the  
pharmacokinetics and pharmacodynamics of antibiotics  
(\$22,000)

1992 Dept. of Anesthesiology, University of Florida  
Patient controlled morphine analgesia  
(\$2,000)

Hefa Frenon (with G. Hochhaus)  
Pharmacokinetics of dexamethasone sulfobenzoate  
(\$10,000)

Dorsch  
Pharmacokinetics and pharmacodynamics of prednisolone  
(\$10,000)

Schering-Plough  
Graduate Student Fellowship (\$15,000)

Daniels Pharmaceuticals, Inc.  
Research Donation (\$30,000)

Hartford Foundation (with D. Lowenthal)  
Hepatic Blood Flow and Propranolol Kinetics in Response  
to Exercise Training in the Elderly (\$5,000)

Pfizer, Inc.  
Evaluation of analgesic activity using tooth pulp  
evoked potentials (\$42,350)

NIH RO1 GM45922 (co-PI, with R. Gonzalez-Rothi)  
Targeted Liposomal Corticoids for Lung Immunomodulation  
(\$156,563)

1993 Schering-Plough  
Graduate Student Fellowship (\$15,000)

NIH RO1 GM45922 (co-PI, with R. Gonzalez-Rothi)  
Targeted Liposomal Corticoids for Lung Immunomodulation  
(\$163,234)

Falk (with G. Hochhaus)  
Pharmacokinetics of Corticosteroids (\$40,000)

1994 Glaxo Inc. (with G. Hochhaus)  
Pharmacokinetics and Pharmacodynamics of  
Corticosteroids (\$120,000)

Byk-Gulden (with G. Hochhaus)  
Pharmacokinetics of Corticosteroids (\$25,000)

NIH RO1 GM45922 (co-PI, with R. Gonzalez-Rothi)  
Targeted Liposomal Corticoids for Lung Immunomodulation  
(\$163,234)

Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$50,000)

Falk (with G. Hochhaus)  
Pharmacokinetics of Corticosteroids (\$60,000)

1995 Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$50,000)

Falk (with G. Hochhaus)  
Pharmacokinetics of Corticosteroids (\$15,000)

1996 Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$50,000)

Boehringer Ingelheim (with G. Hochhaus)  
Pharmacokinetics of Corticosteroids (\$237,440.00)

1997 Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$50,000)

Hexal  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$40,000)

NIH N01-A1-75317  
Pathobiology and Treatment of Malaria in Africa (co-I,  
with P. Stacpoole)  
(\$536,389)

NASA  
Undergraduate Space Research Grant (with J. Hughes)  
(\$4,000)

Boehringer Ingelheim (with G. Hochhaus)  
Pharmacokinetics of Corticosteroids in Humans  
(\$146,020)

1998 Glaxo-Wellcome  
Pharmacokinetics and Pharmacodynamics of  
Corticosteroids (with G. Hochhaus)  
(\$154,560)

Hexal  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$40,000)

Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$50,000)

Boehringer Ingelheim (with G. Hochhaus)  
Pharmacokinetics of Corticosteroids in Mice  
(\$13,600)

Berlex  
Stability of fludarabine  
(\$5,000)

1999 Hexal  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$25,000)

Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$35,000)

Wyle Laboratories  
Pharmacokinetics of flurazepam  
(\$9,000)

2000 Hexal  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$25,000)

Sankyo  
Pharmacokinetics and Pharmacodynamics of Cefpodoxime  
(\$37,500)

Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$25,000)

Tropical Aquaculture Laboratory  
Pharmacokinetics of Flurfenicol  
(\$12,075)

Bayer  
Pharmacokinetics and Pharmacodynamics of Faropenem  
(\$46,875)

2001 Sankyo  
Pharmacokinetics and Pharmacodynamics of Cefpodoxime  
(\$62,500)

Bayer  
Determination of kill curves of Faropenem  
(\$187,500)

Cyanamid  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$25,000)

CAPES  
Bioavailability of 4-Nerolidylcatechol  
(\$5,774)

Berlex  
Stability and Sterility of Campath  
(\$5,000)

2002 Sankyo  
Protein Binding of Cefpodoxime  
(\$12,500)

Innaphase  
Pharmacokinetic/pharmacodynamic Modeling  
(\$30,000)

Wyeth  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$25,000)

Center for Biological Defense (with J. Hughes)  
Expression of Defensins as Novel Anthrax Agents  
(\$125,000)

2003 Sankyo  
Pharmacodynamics of Cefpodoxime  
(\$75,000)

Florida Department of Citrus  
Drug Interaction with Citrus Fruits  
(\$24,000)

US Department of Agriculture  
Grapefruit Juice-Drug Interaction  
(\$232,180)

2004 Wyeth  
Pharmacokinetics and Pharmacodynamics of Antibiotics  
(\$25,000)

Eisai  
Microdialysis in Tissues  
(\$5,000)

US Department of Agriculture  
Grapefruit Juice-Drug Interaction  
(\$207,085)

Pfizer  
Pharmacokinetics and Skin Microdialysis of Cefpodoxime  
(\$80,000)

State of Florida Department of Citrus  
Analysis of Atorvastatin  
(\$80,000)

2005 State of Florida Department of Citrus  
Drug Interactions with Grapefruit Juice  
(\$20,000)

US Department of Agriculture  
Grapefruit Juice-Drug Interaction  
(\$321,318)

Pfizer  
Graduate Student Support  
(\$100,000)

Merck  
Graduate Student Support  
(\$50,000)

2006 Geni Herbs  
Bioavailability and antioxidant effects of Pomella, a  
Pomegranate extract  
(\$15,437)

Pfizer  
Graduate Student Support  
(\$100,000)

Johnson & Johnson  
In vitro study investigating the effects of antibiotics  
on bacterial strains  
(\$163,125)

Golin & Harris  
Drug Interaction Website  
(\$5,000)

Johnson & Johnson  
Microdialysis validation of ceftobiprole  
(\$43,650)

US Department of Agriculture  
Grapefruit Juice-Drug Interactions After Acute and  
Chronic Use  
(\$317,933)

Merck  
Graduate Student Support  
(\$50,000)

2007 Johnson & Johnson  
Evaluation of BAL9141 Solution  
(\$14,650)

Johnson & Johnson  
An Exploratory Study to Evaluate the Penetration of  
Ceftobiprole Into Soft Tissue Determined by In Vivo  
Microdialysis in Healthy Volunteers  
(\$272,845)

Pfizer  
Graduate Student Support  
(\$100,000)

Merck  
Graduate Student Support  
(\$50,000)

2008 Johnson & Johnson  
Pharmacokinetics of Ceftobiprol  
(\$22,000)

Trius  
In vitro PK/PD Investigations of TR-700  
(\$163,125)

Trius  
Microdialysis Validation of TR-700  
(\$37,500)