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D. Sun, H. Lennernas, L.S. Welage, J.L. Barnett, C.P. Landowski, D. Foster, D. Fleisher, K-D Lee and G.L. Amidon, *In vivo/in vitro* intestinal drug permeability correlation and implication of intestinal transporter expression by genechip analysis, 2001 AAPS Annual Meeting, Oct 22-25, 2001, Denver, CO.

L.Y. Li, J.S. Kim, G.L. Amidon, T. Heimbach and D. Fleisher, Intracellular metabolism enhances jejunal absorption while p-glycoprotein limits ileal permeability of indinavir, 2001 AAPS Annual Meeting, Oct 22-25, 2001, Denver, CO.

J.S. Kim, S. Tyler, C.A. Siersma, A.N. NguyenPho, J.M. Hilfinger and G.L. Amidon, Biopharmaceutical characterization of dietary supplements, 2001 AAPS Annual Meeting, Oct 22-25, 2001, Denver, CO.

C. Siersma, J.S.Kim, S. Tyler, J.Hilfinger and G.L. Amidon, Development of a novel *in situ* recirculated perfusion method in the rat model for permeability determination, 2001 AAPS Annual Meeting, Oct 22-25, 2001, Denver, CO.

D. Sun, D. Fleisher, H.D. Humes, K.D. Lee and G.L. Amidon, Regional and diet dependent of drug absorption and gene expression by genechip analysis in rat, CRS Meeting, Aug 20-25, 2002, Seoul, Korea (received the CRS Graduate Student Paper Award).

I. Kim, X. Chu, K-D Lee and G.L. Amidon, Prodrug targeting using hydrolases: biphenyl hydrolase-like (BPHL) hydrolyzes valacyclovir, an ester prodrug of acyclovir, CRS Meeting, Aug 20-25, 2002, Seoul, Korea.

S.Mittal, B.S. Vig, C.P. Landowski, H-C Shin, G. Rosania and G.L. Amidon, Bioinformatic tools for identification of potential prodrug converting enzymes purpose, AAPSPharmSci, 4, Abstract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

H. Valizadeh, J.M. Hilfinger, J.S. Kim, J. Walton, H.Wei, G.L. Amidon and R. Loebenberg, Estimation of oral drug absorption by means of in vitro studies—simulation of performance of glyburide using individual pharmacokinetic data, AAPSPharmSci., 4, Abstract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

N.A. Kasim, A. Nada, Y.E. Hammouda and G.L. Amidon, The effect of gastric motility on the oral pharmacokinetics of atenolol in dogs, AAPSPharmSci., 4, Absttract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

C.P. Landowski, D. Sun, S.S. Menon, C. Ramachandran, J.L. Barnett, D.R. Foster, L.S. Welage and G.L. Amidon, Gene expression in the human intestine and correlation with oral valacyclovir pharmacokinetic parameters, AAPSPharmSci., 4, Abstract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

I. Kim, B.S. Vig, H.I. Mosberg and G.L. Amidon, Targeted prodrug strategy using a prodrug activating enzyme, AAPSPharmSci., 4, Abstract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

I. Kim, X. Chu, C.J. P{rovoda, K-D Lee and G.L. Amidon, Identification and characterization of a prodrug activating enzyme: Bphl (biphenyl hydrolase-like) hydrolyzes valacyclovir, AAPS PharmSci., 4, Abstract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

B. Vig, C.P. Landowski, H.I. Mosberg and G.L. Amidon, Novel prodrugs of the anticancer agent floxuridine as substrates for the hPEPT1 transporter, AAPSPharmSci., 4, Abstract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

S. Menon, C. Ramachandran, D.R. Foster, L.S. Welage, J.L. Barnett and G.L. Amidon, Time-dependent oral drug absorption models: a mechanistic approach for valacyclovir, AAPSPharmSci., 4, Abstract Annual Meeting, Nov 10-14, 2002, Toronto, Canada.

C.P. Landowski, D. Sun and G.L. Amidon, Comparison of transporter, channel, and metabolizing enzyme expression in CACO-2 cells and human intestinal segments, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

H-C Shin, C.P. Landowski, D.Sun and G.L. Amidon, Molecular cloning and substrate recognition of the sodium dependent nucleoside transporter HCNT2 from human intestine, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

S.S. Menon, R. Chandrashekaran, D.R. Foster, L.S. Welage, J.L. Barnett and G.L. Amidon, Mechanistic approache to time-dependent oral drug absorption models, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

B.S. Vig, C.P. Landowski, H.I. Mosberg and G.L. Amidon, Amino acid ester prodrugs of anticancer agent floxuridine as substrates of HPEPT1 transporter, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

I. Kim, G.M. Crippen and G.L. Amidon, A new molecular target for prodrug activation, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

S. Mittal, I. Kim, B.S. Vig and G.L. Amidon, Proteomic tools for the identification of prodrug activating enzymes, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

C.P. Landowski, B.L. Neudeck, D.R. Foster, J.P. Gonzales, D. Sun, G.L. Amidon and L.S. Welage, Alterations in cephalexin transport and PEPT1 expression following thermal injury in rats, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

P.L. Lorenzi, B.S. Vig and G.L. Amidon, Differential activation of amino acid floxuridine prodrugs, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

X. Song, B.S. Vig, P. Lorenzi, C.P. Landowski, R. Chandrashekaran, J.C. Drach, L.B. Townsend and G.L. Amidon, Synthesis and uptake of prodrugs of BDCRB a novel benzimidazole antiviral agent, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

Y. Tsume, J. Hilfinger, P. Kish, B. Roessler and G.L. Amidon, The characterization of bile acid DNA conjugates as oral delivery agents, Molecular Biopharmaceutics: A New Era in Drug Absorption, Transport and Delivery, Jan 23-24, 2003, Waikiki, Hawaii.

M.E. Lane, M. Hanlon, K.A. Levis, J.F. Gilmer, C.P. Landowski, O.I. Corrigan and G.L. Amidon, Synthesis and characterization of amino acid derivatives of ibuprofen, CRS Meeting, July 2003, Lisbon, Portugal.

S. Menon, C. Ramachandran, D.R. Foster, L.S. Welage, J.L. Barnett and G.L. Amidon, Oral drug delivery of prodrugs and carrier-mediated transport: mechanistic modeling approaches to describe the

improved oral absorption of the acyclovir prodrug, valacyclovir, in humans, CRS Meeting, July 2003, Lisbon, Portugal.

I.Kim, X. Song, B.S. Vig, S. Mittal, G.M. Crippen and G.L. Amidon, Characterization of biphenyl hydrolase-like (BPHL), a new prodrug activating enzyme: substrate specificity and molecular modeling of BPHL, CRS Meeting, July 2003, Lisbon Portugal.

S. Mittal, C.P. Landowski, B.S. Vig, I. Kim, H-C Shin and G.L. Amidon, Prolidase, a potential enzymatic taret for melanoma, AAPS, Abstract Annual Meeting, Oct 28-30, 2003, Salt Lake City, UT.

P.J. Lorenzi, X. Song, B.S. Vig, J.C. Drach, L.B. Townsend and G.L. Amidon, Toward enhanced oral bioavailability of 2-bromo-5,6-dichloro-ß-D-ribofuranosyl benzimidazole (BDCRB) via amino acid ester prodrugs, AAPS, Abstract Annual Meeting, Oct 28-30, 2003, Salt Lake City, UT.

C.P. Landowski, B.S. Vig, T.N. Faria and G.L. Amidon, Novel amino acid ester prodrugs of the anticancer agent floxuridine as substrates for the PEPT1 transporter: acidic, basic and secondary amino acids, AAPS, Abstract Annual Meeting, Oct 28-30, 2003, Salt Lake City, UT.

Y. Tsume, C.P. Landowski, J.M. Hilfinger, X. Song and G.L. Amidon, Novel dipeptide ester prodrugs of the anticancer agent floxuridine as substrates for the PEPT1 transporter, Pharmaceutical Sciences World Congress (PSWC2004), May 29-Jun 3, 2004, Kyoto, Japan.

S. Mittal, X. Song, B.S. Vig and G.L. Amidon, Proline prodrug of melphalan targeted to prolidase expressing melanoma, Pharmaceutical Sciences World Congress (PSWC2004), May 29-Jun 3, 2004, Kyoto, Japan.

P.J. Lorenzi, C.P. Landowski, X. Song, L.B. Townsend, J.C. Drach and G.L. Amidon, Bioinformatic tools implicate an unsuspected group of enzymes in drug metabolism—nuclear DNA repair enzymes, Pharmaceutical Sciences World Congress (PSWC2004), May 29-Jun 3, 2004, Kyoto, Japan.

C.P. Landowski, X. Song and G.L. Amidon, Targeting floxuridine amino acid prodrugs to MDCK cells expressing PEPT1, Pharmaceutical Sciences World Congress (PSWC2004), May 29-Jun 3, 2004, Kyoto, Japan.

L. Lai, Z. Xu and G.L.Amidon, Overexpression, purification and crystallization of human biphenyl hydrolase-like protein, AAPS, Abstract Annual Meeting, Nov. 7-11, 2004, Baltimore, MD.

C. Landowski, X. Song, B.Vig and G.L. Amidon, Floxuridine amino acid ester prodrugs and their potential for improved oral bioavailability, AAPS, Abstract Annual Meeting, Nov. 7-11, 2004, Baltimore, MD.

M. Lane, C. Landowski, P. Deasy, J. Quigley, G.L. Amidon and O. Corrigan, Synthesis and characterization of arginine derivatives of ibuprofen, AAPS, Abstract Annual Meeting, Nov. 7-11, 2004, Baltimore, MD.

S. Mittal, X. Song, B.S. Vig and G.L. Amidon, Prolidase, a highly specific dipeptidase: praline prodrugs of melphalan for targeting melanoma, AAPS, Abstract Annual Meeting, Nov. 7-11, 2004, Baltimore, MD.

T. Takagi, C. Ramachandran, M. Bermejo, S. Yamashita, and G.L. Amidon, Provisional biopharmaceutical classification of top US, European and Japanese Drugs, AAPS, Abstract Annual Meeting, Nov. 7-11, 2004.

P. Yang, S. Mittal, C.P. Landowski, R. Chandrasekharan and G.L. Amidon, Selecting a candidate enzyme target for anticancer prodrug therapy: dipeptidyl peptidase IV, 3rd World Conference on Drug Absorption, Transport and Delivery, Clinical Significance and regulatory Impact (EUFEPS), Barcelona, Spain, Apr 18-20, 2005.

Gordon L. Amidon –
Grad. Students/Researchers

Current Graduate Students (2004-2005)
Jennifer Sheng
Pe-hua (Patty) Yang
John Chung
Longsheng Lai
Yashiro Tsume
Jonathan Miller (co-adv)
Hairat Sabit (co-adv)

Current Member Dissertation Comittee

Pen-Chung Chen
Guangbing Ding
Scott Ocheltree

Current Research Fellows (2004-2005)

Young Hoon Kim (Korean FDA)
Toshihide Takagi (Dainippon Phrm.Co., Japan)
Zhiqian Wu

Former Visiting Graduate Students

Marc Whitehouse (Bath Univ., UK)
Ekanat Jantratid (Thailand)

Former Research Assistant

Elke Lipka (Germany)

Former Visiting Scholars

Peter Langguth (Univ. Mainz, Germany)
Narushi Takamatsu (Yamanouchi, Japan)

Former Research Fellows

Doron Friedman (Hebrew Univ, Jerusalem)
Chung Lui
Hiroaki Yuasa (Nagoya City Univ, Japan)

Former Research Fellows (cont)

Xueqin Song (China)
Ikumi Tamai (Kanazawa Univ., Japan)
Yayoi Hayashi (Nagoya City Univ, Japan)
Josef Tukker (Univ Utrecht, The Netherlands)
Shinji Yamashita (Setsunan Univ., Japan)
Hiroshi Kikuchi (Daiichi Phrm. Co., Japan)
James Chu (Syntex, Calif)
Shun-Yih Lin
Xiaoyan (Rebecca) Chu (Univ Tokyo, Japan)
Gladys Granero (Ciudad Univ., Argentina)
Ho-Chul Shin (Korean Res.Inst.Tech., Korea)
Balvinder Vig (Univ. Maryland, USA)

Former Visiting Research Investigators

Ryuzo Yamamoto (Ono P'ceut.Co., Japan)
Kiyoyuki Sakon (Teijin Co., Japan)
Hideto Sasaki (Takeda P'ceut.Co., Japan)
Constance Hilgendorf (Martin Luther Univ, Germany)
Shigeki Tamura (Fujisawa Co., Japan)
Gershon Golomb (Hebrew Univ., Jerusalem)
Eli Brewer (Hebrew Univ., Jerusalem)
Junichi Jinno (Otsuka P'ceut. Co., Japan)
Nehal Kasim (Univ.Alexandria, Eqypt)
Anneli Ullrich (Germany)
Henrik Scholten (Germany)
Jae Seung Kim (Korea) (TSRL,Inc. MI)
Ok-Nam Kim (Deceased)
Elke Walter (ETH-Zurich)
Katzutaka Higaki (Okayame Univ., Japan)
Masaru Imamizu (Kyorin P'ceut.Co., Japan)
Raimer Lobenberger (Germany)
Naji Najib (Jordan Univ)
Majella Lane (Trinity College, Ireland)
Yoichiro Shima (Ajinomoto P'ceut.Co. Japan)

Former Visiting Scholars

Masahiro Murakami (Kyoto P'ceut. Univ. Japan)

Former Visiting Research Investigators

Thomas P. Johnson (co-advised)
Amnon Sintov (co-advised)
P. Subramanian (co-advised)
Hae-Young Ahn (co-advised)

UM - Past Member of Dissertation Committee	PhD
Zhense Hu	1992
David Lechuga-Ballesteros	1992
Alan Kugler	1992
Vanaja Mummaneni	1993
Linda Lieb	1993
You-Yin Fun	1993
Cecily Lalor	1994
Nancy Janiczek	1995
Susan Niemic	1995
Shanaz Tata	1995
Pablo Davila-Zavala	1995
Cheryl Stevenson	1996
Beth Szkudlarek	1996
Andrea Lauer	1996
Han-yi Kuan	1997
Nusara Piyapolrungroj	1998
Nancy Jezyk	1998
Yuji (Simon) Zhou	1998
Roger Adami	1999
Bee Ah Cho	2001
Ying (Lillian) Li	2001
Beverly Langevin	2002
Nathan Teuscher	2002
Elizabeth Mathew	2003
Barbara Spong	2004

The University of Michigan – Chairman PhD Thesis Committee

1986

Kevin C. Johnson - The design of amino acid prodrugs for intestinal brush border enzymes

Danial P. McNamara -Dissolution of acidic and basic compounds from the rotating disk: influence of diffusion, convection, and reaction

Barbra Stewart - Improving the intestinal absorption of water-insoluble compounds and the specificity of targeted drug delivery

Elizabeth Murphy Topp - A physiological flow model for the gastrointestinal absorption and plasma kinetics of aspirin

1987

Jim Kou - Release of water soluble drugs from dynamically swelling poly (2-hydroxyethyl methacrylate-CO-methacrylic acid) hydrogels

1988

Ming Hu - Investigation into drug and drug analogs transported by the peptide carrier system: intestinal absorption of captopril and of peptidyl derivatives of methyldopa

Rebecca Oberle - The influence of the interdigestive migrating myoelectric complex on the gastric emptying of liquids and oral absorption of cimetidine

Patrick J. Sinko - Predicting oral drug absorption in man for compounds absorbed by carrier-mediated and passive absorption processes

1989

Hoo-Kyun Choi - Enhanced transdermal delivery of propranolol, hydrocortisone, acyclovir and peptide-type drugs (co-advised)

Maureen Donovan - The molecular weight dependence of the absorption of polyethylene glycols in the nasal and gastrointestinal mucosa and its correlation to size dependent diffusion (co-advised)

Christopher Sinko - An investigation into the relaxation behavior of pharmaceutical film coatings

1990

Tzyy-Show Chen - Investigation into fasted state gastric emptying variation and cimetidine absorption

Pei-fan Jane Bai - Peptide prodrug strategy for increasing oral bioavailability

Paul Luner - The mode of action of bile sequestrants in the GI tract: *in vitro* binding studies and modeling of *in vivo* performance

1990 (cont)

Steven Rose - The effect of input rate on the plasma disposition of propranolol enantiomers in the dog

1991

Jian-Hwa Guo - Investigating the properties of polymers for pharmaceutical controlled release applications

Kathleen Lee - The role of time dependent gastrointestinal parameters in the oral absorption of drugs

DooMan Oh - Estimating oral drug absorption in humans

Hsiao-hwa Lu (co-advised) - The influence of water transport on drug absorption in the small intestine

1992

Shiyin Yee - Oral absorption of ACE inhibitors

Steven Schwendeman (co-advised) -Modulation of drug delivery by iontophoresis through polymer membranes

Christina Lippert (co-advised) - Investigations into fed-state effects on phenytoin absorption and pharmacokinetics in dogs

Mandana Asgharnejad - Investigation into intestinal transport and absorption of an amino acid, amino acid analogue and its peptidomimetic prodrug

John Crison - Estimating the dissolution and absorption of water insoluble drugs in the small intestine

Sheng-fang Su - Investigation of the intestinal metabolism and absorption of polypeptides

Danny Man-sum Yu - Use of polymeric gelling system to improve intranasal residence time effect of viscoelasticity on mucociliary transport

May 1992

Served as Opponent for the public defense of Mr. Hans Lennernas doctoral thesis, "Intestinal absorption characteristics of three model drugs", Uppsala University, Uppsala, Sweden.

1993

James Polli - Mechanistic analysis of bile acid sequestrant performance

1995

Thomas J. Cook (co-advised) - Synthesis and release characterization of polypeptides for the controlled release of drugs.

1996

Fan Zhang - Analysis of bile acid sequestrants performance through mechanistic and animal model approaches.

Julie Rhie - The pellet gastric emptying (PGE) test: development of a non-invasive method to assess gastric emptying.

1997

Xuanqiang (Lawrence) Yu – A biopharmaceutics design model for oral delivery: predicting intestinal drug absorption.

Manisha Desai (co-advised) – Biodegradable microparticles and nanoparticles in oral vaccine delivery: investigation of critical determinants.

Ching-Ling Cheng (co-advised) – Absorption and disposition of poorly water soluble weak bases: application to delavirdine.

Nasir Idekaidek – Investigations in oral absorption of enalapril maleate

Maria Croyle – Biological and pharmaceutical aspects of adenovirus-mediated gene delivery to the intestinal epithelium.

1998

Hyo-kyung Han – A new discovery of improved oral drug absorption targeting the hPEPT1 transporter.

Yu-Yuan Chu – *In vitro, in situ*, and *in vivo* transport phenomena of cyclosporin A (CsA): its implication for oral absorption prediction.

Peter Markland – Modified polypeptides and polypeptide hydrogels for controlled drug delivery.

Jeffrey Sherman (co-advised) – An investigation of partitioning and permeability of pentapeptide compounds.

1999

Cheng-Pang Hsu – Over expression of human intestinal oligopeptide transporter via adenoviral transduction.

2000

Sally Choe – Analyses of time-dependent oral drug absorption.

Ngoc-Anh Nguyen – Intracellular delivery of antisense oligodeoxynucleotides utilizing starburts polyamidoamine (PAMAM) as carriers.

2001

Lillian Li (co-advised) –Mechanisms of region-dependent absorption of a weakly basic HIV-protease inhibitor, indinavir: clinical ramifications and comparison with nelfinavir.

2002

Go Saito – Enhanced cytosolic delivery of DNA by a sulfydryl-activatable listeriolysin O bioconjugate: implication for DNA vaccination.

Duxin Sun – Drug absorption evaluation, prodrug design and intestinal transporter expression by genechip analysis.

Michael Vieira – Dissolution into surfactant and emulsion systems: implications to the formulation of bio-relevant dissolution media for water-insoluble drugs.

2003

Tycho H. Heimbach (co-advised) – Oral phosphate prodrugs: absorption rate limit considerations.

2004

Sujatha Menon – Modeling approaches to time-dependent oral drug absorption.

Insook Kim – A novel prodrug activating enzyme, identification and characterization of BPHL.

2005

Philip L. Lorenzi – Bioevasive prodrugs: identification and evasion of nucleoside-metabolizing enzymes.

Christopher Landowski – Designing anticancer prodrugs for targeting drug transporters and activating enzymes.

Sachin Mittal – Proline prodrug of melphalan targeted to prolidase, a highly specific dipeptidase overexpressed in melanoma.

University of Wisconsin - Chairman - Graduate Student Thesis Committee

1978

Shabbir T. Anik - A thermodynamic analysis of the aqueous solubility and hydrophobicity of hydrocarbons using molecular surface area

1979

Pradip K. Banerjee - Design of enzymatically reconvertible prodrugs: amino acid derivatives of aspirin

Richard L. Elliott - Intestinal absorption: analysis of theoretical models

Magda Wadih Samaha - A free energy partitioning analysis of solubility and partition coefficient data

1980

Glen D. Leesman - Improving absorption of water insoluble drugs through interfacial metabolism

1982

N. Adeyinka Williams - An excess free energy approach to the estimation of solubility in mixed solvent systems

1983

David Fleisher - Intestinal absorption of hydrocortisone through prodrug reconversion

1985

Donald Johnson - Intestinal transport problems involving Michaelis-Menten kinetics

PhD Graduates/Research Fellows who have held/hold academic positions

David Fleisher – 1983-present - University of Michigan (MI).

Elizabeth Murphy Topp – 1986-present - University of Kansas (KS).

Ming Hu – 1990-present - Washington State University (WA).

Patrick J. Sinko – 1991 – present - Rutgers University (NJ).

Hoo-Kyun Choi – 1995 – present - Chosun University (Korea).

Maureen Donovan – 1989 – present - University of Iowa (IA).

Paul Luner – 1995 - 2002 - University of Iowa (IA).

Steven Schwendeman (co-advised) – 1995 – 2000 – Ohio State University, OH; 2000: 2000-present – The University of Michigan (MI).

Sheng-fang Su – 1992 - 2002 - National Cheng Kung University (Taiwan).

James Polli – 1993 - present - University of Maryland (MD).

Thomas J. Cook (co-advised) – (1995) - Rutgers University (NJ).

Nasir Idakaidek – 1997 - present – Jordan University.

Maria Croyle – 2001 - present – University of Texas at Austin (TX).

Duxin Sun – 2003 – present - Ohio State University

Gladys Granero – 1998 – present - National University of Cordoba, Argentina

Ho-Chul Shin (DVM) – 1987 - present - Korea Res. Inst. Of Technology, Korea

Gershon Golomb -1990-present - Hebrew Univ., Jerusalem

Nehal Kasim – 1995-present - Univ. Alexandria, Egypt

Majella Lane – 1997-present - Trinity College, Ireland

Robert Pearlman –1975 - present- Univ. of Texas, TX

Peter Langguth, Johannes Gutenberg - 1998-present - Univ. of Mainz, Germany

Marival Bermejo Sanz – 1994 – present - University of Valencia, Spain

Pei-fan (Jane) Bai, 1990 - 1995- Univ. of Minnesota, MN

Kazutaka Higaki – 1996 – present – Okayama University, Okayama, Japan

Raimar Loebenberg – 2000 – present – University of Alberta, Canada

Xiaoyan (Rebecca) Chu – 1989 - 1998 - Dalian Med. University, China; Univ. of Tokyo, Japan

Elke Walter – 1995 - 2002- ETH-Zurich, Switzerland

Thomas P. Johnston – 1987 - present – University of Missouri-Kansas City, MO

Hiroaki Yuasa – 1990 - present - Nagoya City University, Japan

Ikumi Tamai –1990 - present – Kanazawa University, Tokyo College of Pharamcy, Japan

Yayoi Hayashi – 1992 - present – Nagoya City University, Japan

Shinji Yamashita – 1991 - present – Setsunan University, Japan

Ok-Nam Kim – 1992 - 1994 – Sookmyung Women's University, Korea (deceased)

Masahiro Murakami – 1995 - 2000 – Kyoto University, Japan

Naji Najib – 1990 - present – Jordan University, Jordan

Josef Tukker – 1985 – 2001 - University of Utrecht, The Netherlands

Hyo-Kyung Han –2004 – present - Chosun University, Korea

5/2005