

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
<b>FACULTY OF SCIENCE</b>						
<i>Present Activities</i>	1. Australian National University (ANU), AUSTRALIA	- Applied mathematics/pure mathematics	- Academic exchange		/	
	2. Australian Nuclear Science & Technology Organization, AUSTRALIA	- Mechanism of metal uptake by plants	- Organize and discuss research	6 months		Prof. Scott Markich Australian Nuclear Science & Technology Organization
	3. CSIRO Health Sciences and Nutrition, AUSTRALIA	- Malaria and mycobacterial drug targets	- Development of screening and heterologous gene expression	1999-present		Prof. Ian Macreadie Principal Research Scientist CSIRO Health Sciences and Nutrition, 343 Royal Parade Parkville, Victoria 3052 Australia Tel: 61-3 9662 7299 Fax: 61-3 9662 7266 Email: Ian.Macreadie@csiro.au
	4. Curtin University of Technology, Department of Mathematics and Statistics, AUSTRALIA	- Applied mathematics/ pure mathematics	- Joint research/ workshops/ conferences	8 yrs.	/	1. Assoc. Prof. Yong Hong Wu 2. Assoc. Prof. Peg Foo Siew Curtin University of Technology

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	5. Deakin University, School of Chemical and Biological Science, AUSTRALIA	- Cell and molecular biology of abalone <i>(Dept. of Anatomy)</i>	- Ph.D. student training collaborative research	3 yrs.		Dr. Peter Hanna
	6. Flinders University of South Australia, AUSTRALIA	- Pharmacology - Molecular genetics - Toxicology <i>(Dept. of Pharmacology)</i>	- Exchange of graduate students and research advisors - Coordination in teaching and research	1-2 yrs.	/	Prof. John O. Miners
	7. Melbourne University, AUSTRALIA	- Environmental biology	- Exchange of graduate students and research advisors - Coordination in research programs			
	8. Monash University, AUSTRALIA	- Drug target of malaria <i>(Dept. of Biochemistry )</i> (Dr. Worachart Sirawaraporn)	- Malaria transfection	1998-present		Dr. Brian Cooke Molecular & Cellular Rheology Laboratory, Dept. of Microbiology P.O Box 53, Monash University Victoria 3800, Australia Tel: 61-3 9905 4827 Fax: 61-3 9905 4811 Email: brian.cooke@med.monash.edu.ac

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		- Molecular parasitology <i>(Dept. of Biology)</i>	- Research collaboration	1997-present	/	Prof. Dr. Terry W. Spithill Dept. of Biochemistry and Molecular Biology, Monash University
		- Cell and molecular biology of parasites <i>(Dept. of Biochemistry and Molecular Biology)</i>	- Ph.D. student training - Collaborative research	3 yrs.		
		- Malaria drug targets <i>(Dept. of Pathobiology)</i>	- Malaria transfection	1998-present		Dr. Brian M. Cooke Molecular & Cellular Rheology Laboratory, Dept. of Microbiology Monash University, P.O.Box 53 Victoria 3800, Australia Tel: 61-3 9905 4827 Fax: 61-3 9905 4811 Email: brian.cooke @med.monash.edu.au
	9 . The Walter and Eliza Hall Institute of Medical Research (WEHI), AUSTRALIA	- Drug target in malaria (Dr. Worachart Sirawaraporn)	- Malaria transfection	1998-present		Dr. Alan F. Cowman WEHI, The Royal Melbourne Hospital, Victoria 3050, Australia Tel: 61-3-93452555 Fax: 61-3-93470852 Email: cowman@wihi.edu.au

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	10. University of Adelaide, AUSTRALIA	- Reproductive biology <i>(Dept. of Anatomy)</i>	- Cooperation under the Royal Golden Jubilee (RGJ) Program	2000-present		Assoc. Prof. Bill Breed Dept. of Anatomical Science, University of Adelaide
		- Structure/function studies of pyruvate carboxylase <i>(Dept. of Biochemistry)</i> (Dr. Sarawut Jitrapukdee)	- Collaborative research	2001-2003		Prof. John Wallace Department of Molecular Bioscience, Adelaide University Adelaide SA 5005, Australia
	11. University of Melbourne, AUSTRALIA	- Environmental biology	- Exchange of graduate students and research advisors - Coordination in research programs			
		- Fungal genetics <i>(Dept. of Microbiology)</i> (Dr. Sansanee Chaiyaroj)	- Joint research - Exchange of graduate students	2001-2005		Dr. Alex Adrianopoulos Dept. of Genetics, University of Melbourne
	12. University of Queensland, AUSTRALIA	- Entomology	- Exchange of graduate students and research advisors - Coordination in research programs			

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	13. University of Wollongong, AUSTRALIA	- Mathematics	- Research education and training	1 yr.	/	Stephen Lowe University of Wollongong NSW 2522, Australia
	14. University of Sydney, AUSTRALIA	- Applied mathematics/pure mathematics	- Academic exchange	5 yrs.	/	
	15. University of Dhaka, BANGLADESH	- Anti-diabetes research <i>(Organic chemistry)</i>	- Research - Exchange of students			
	16. Jean-Marie Wiame Institute for Microbiological Research, Region of Brussels-Capital, BELGIUM	- Biotechnology <i>(Dept. of Biotechnology)</i>	- Research collaboration - Student and staff exchange	1999 - not specified	/	1. Prof. Nicolas Glansdorff Director of Research Institute 2. Prof. Evelyne Debois Jean-Marie Wiame Institute for Microbiological Research, Region of Brussels-Capital, Avenue E. Gryson 1, B-1070, Brussels, Belgium
	17. Academia Sinica, Taipei, CHINA	- Proteomics and protein structure	- Collaborative research	2002		Prof. Shui-Tien Chen Institute of Biochemistry, Academia Sinica, Taipei, China

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	18. Brock University, CANADA	- Material development	- Exchange of research advisors - Collaborative project	2001-present		John Sivell Email: jsivell@spartan.ac.brocku.ca
	19. McGill University, Institute of Parasitology, CANADA	- Mechanisms of molecular drug resistance and chemotherapy leishmania sp. schistosoma sp. Entamoeba histolytica Haemonchus sp. <i>(Dept. of Microbiology)</i>	- Research collaboration - Exchange of Ph.D. students			1. Prof. G. Matlaskewski 2. Marilyn E. Scott
	20. University of British Columbia, Dept. of Pharmacology, Faculty of Medicine, CANADA	- Neuropharmacology <i>(Dept. of Pharmacology)</i>	- Exchange of graduate students & Ph.D. students	3-12 months		Prof. James McLarnon
	21. University of Manitoba, Dept. of Microbiology, CANADA	- Biotechnology	- Research collaboration - Student and staff exchange	1999 - not specified	/	Dr. Peter Lowen
	22. University of Ottawa, CANADA	- Molecular reproductive biology <i>(Dept. of Anatomy)</i>	- Cooperation under the Royal Golden Jubilee (RGJ) Program	1999-present		Prof. Dr. Nongnuch Tanphaichitr Loeb Medical Research Institute, University of Ottawa, Ottawa, Ontario, Canada K1Y4E9

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		- Reproductive biology of mammals	- Ph.D. student training - Collaborative research on sperm membrane and chromatin	3 yrs.		Prof. Dr. Nongnuch Tanpaichitr
	23. University of Western Ontario, CANADA	- Physiology <i>(Dept. of Physiology)</i>	- Student and faculty exchange - Research collaboration	1999-2004		Prof. Dough Jones Dept. of Physiology, School of Medicine & Dentistry, University of Western Ontario
	24. University of Southern Denmark, DENMARK	- Environmental biology <i>(Dept. of Biology)</i>	- Exchange of graduate students and research advisors - Coordination in research programs	1999-present		Dr. Kevin Francesconi Institute of Biology, University of Southern Denmark
	25. Institut Pasteur, Bacteriologie Moleculaire et Medicale, FRANCE	- Genetics of leptospire	- Training (possible future research collaboration)	2002 - not specified		Dr. Mathieu Picardeau
	26. University of Montpellie II, FRANCE	- Conservation biology and ecology	- Exchange of graduate students and research advisors - Coordination in research programs			

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	27. University of Pierre et Marie Curie, (UPMC), FRANCE	- Biotechnology	- Research collaboration - Student and staff exchange	2002 - not specified	/	1. Prof. Thierry Lalot 2. Prof. G. Berezziat 3. Prof. J.P. Vairon
	28. Freie University of Berlin, Institute of Biology and Genetics, GERMANY	- Molecular parasitology <i>(Dept. of Biology)</i>  - Cell and molecular biology of parasites <i>(Dept. of Anatomy)</i>	- Exchange of graduate students and research advisors - Coordination in research programs  - Ph.D.student training - Collaborative research on cloning of Fasciola genes and antigens	1997-present  3 yrs.		Prof. Dr. Gunter Korge Institut für Biologie, Genetik Freie Universität, Berlin, Arnimallee 7, D. 14195, Berlin, Germany  Prof. Gunter Korge
	29. Gesellschaft für Biotechnologische Forschung mbH (GBF), GERMANY	- Biotechnology <i>(Dept. of Biotechnology)</i>	- Student and teaching staff exchange - Joint research and development of biotechnology transfer with an emphasis on industrial application	1997 - not specified	/	Prof. Guenter Maass Scientific Director, Gesellschaft für Biotechnologische Forschung mbH (GBF), Mascherodor Weg 1, D-38124, Braunschweig, Germany

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	30. University of Berlin, GERMANY	- Cell and molecular biology of abalone <i>(Dept. of Anatomy)</i>	- Ph.D. student training - Collaborative research on cloning of Fasciola genes and antigens	3 yrs.		Prof. Gunter Korge
	31. University of Muenster, GERMANY	- Environmental biology <i>(Dept. of Biology)</i>	- Exchange of graduate students and research advisors - Coordination in research programs		/	Prof. F. Spencer Dept. of Biology, University of Muenster
	32. University of Tuebingen, Dept. of Molecular Pharmacology, GERMANY	- Molecular pharmacology <i>(Dept. of Pharmacology)</i>	- Cooperation under DAAD Sandwich Program	1-2 yrs.		Prof. U. Quas T.
	33. Modena University, ITALY	- Drug target modeling <i>(Dept. of Biochemistry)</i> (Dr. Worachart Sirawaraporn)	- Molecular modeling of malarial DHFR	1998-present		Dr. Giulio Rastelli Departimento di Scienze Farmaceutiche, Universita di Modena, Via Campi 183-41100, Modena, Italy Tal: 0039-059-2055145 Fax: 0039-059-2055131 Email: giulio@caesar.unimo.it

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	34. Chiba University, JAPAN	- Structural modeling  - Horticulture, science and technology	- Computer modeling of malarial drug targets  - Exchange of researchers and students - Joint research project, including conferences and meetings - Information and publications exchange	5 yrs.	/	Prof. Dr. Toyoki KOZAI Dept. of Bioproduction Science, Faculty of Horticulture, Chiba University Tel/Fax: 81-47-308-8841 Email: kozai@midori.h.chiba-u.ac.jp
	35. Hokkaido University, Faculty of Agriculture, JAPAN	- Biotechnology  - Molecular pharmacology (Dept. of Pharmacology)	- Research collaboration - Student and staff exchange  - Exchange of graduate students and research advisors - Coordination in teaching and research	2000 - not specified  3-12 months	/	1. Prof. Takashi Obinata 2. Prof. Toyoki Kozai 3. Prof. M. Mii  Prof. T.Kamataki

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		- Biotechnology	- Research collaboration - Student and staff exchange	1999	/	1. Prof. Takaaki Ohtahara 2. Prof. Junji Yamaguchi 3. Prof. Yasumitsu Tomita 4. Prof. Atsushi Yokota
	36. Kyorin University, JAPAN	- Physiology - Pharmacology - Toxicology	- Student and faculty exchange - Research collaboration	2000-2005	/	Prof. H. Endou Chairman, Dept. of Pharmacology and Toxicology, School of Medicine, Kyorin University
	37. Kyoto University, Primate Research Institute, JAPAN	- Conservation biology and wildlife ecology - Environment (esp. forest monitoring) (Dr. Warren Y. Brockelman)	- Support for visiting staff doing field research - Joint field protection of ecology and food habits of monkeys in Thailand	1995-present	/	
	38. Kyushu University, JAPAN	- Bioresources, Bioenvironmental sciences	- Administrative staff and student exchange - Information, materials and publications	5 yrs.	/	Prof. Dr. Kokki Sakai Faculty of Agriculture, Graduate School of Bioresource and Bioenviron- mental Sciences, School of Agriculture,

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		- Pharmaceutical sciences	exchange - Joint research programs  - Administrative staff and student exchange - Research and the presentation of its results - Materials and publications exchange	2000-2005	/	Kyushu University  Prof. Dr. Masaru HIMENO Faculty of Pharmaceutical Sciences, Graduate School of Pharmaceutical Sciences, Kyushu University
		- Biotechnology	- Research collaboration - Student and staff exchange	2000	/	Prof. A. Ishizaki
		- Free radicals & natural products	- Exchange of graduate students and staff		/	Prof. Utsumi

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	39. Osaka University, JAPAN	- Biotechnology <i>(Dept. of Biotechnology)</i>	- Research collaboration - Student and staff exchange	2002-2007	/	1. Prof. Junjiro Kanamori 2. Prof. Toshiomi Yoshida 3. Prof. Tatsuji Seki Osaka University, 2-1, Yamadaoka, Suita, Osaka 565, Japan
	40. University of Auckland, NEW ZEALAND	- Development of antimalarial drugs <i>(Dept. of Biochemistry)</i> (Dr. Prapon Wilairat)	- Research collaboration			Prof. Willaim A. Denny Cancer Research Laboratory, School of Medicine, University of Auckland, Private Bag 92019, Auckland, New Zealand
	41. National University of Singapore, SINGAPORE	- Development of antimalarial drugs <i>(Dept. of Biochemistry)</i> (Dr. Prapon Wilairat)	- Student exchange - Research collaboration	1998-present		Prof. Mei-Lin Go Dept. of Pharmacy, National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260
		- Mathematics	- Joint research		/	Prof. Wayne Lawton National University of Singapore, Block S14, #04-04 Lower Kent Ridge Road, Singapore 119260

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		- Material development	- Exchange of research advisors - Collaborative project	2001-present		Dr. Ban Kah Choon Email: ellbankc@nus.edu.sg
	41. Karolinska Institutet, SWEDEN	- Mechanism of apoptosis <i>(Dept. of Biochemistry)</i>	- Student exchange	2000- present		Prof. Sten Orreniro Karolinska Institutet, Box 210, Stockholm, Sweden
	42. Uppsala University, International Program in Chemical Science (IPICS), SWEDEN	- Regional training in chemistry <i>(Organic Chemistry)</i>	- Staff and student exchange			
	43. Aberdeen University, UK	- Environmental biology	- Exchange of graduate students and research advisors - Coordination in research programs			Dr. J. Feldman Chemistry Department, University of Aberdeen
	44. Nottingham University, School of Biomedical Science, Queen's Medical Centre, UK	- Molecular pharmacology - Biochemical pharmacology receptor and signal <i>(Dept. of Pharmacology)</i>	- Ph.D student training - Collaborative research	3-12 months		Prof. David A. Kendall

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		- Neuropsychopharmacology <i>(Dept. of Pharmacology)</i>	- Exchange of graduate student & joint supervision of Ph.D. students	3-12 months		Prof. C.A. Marsden
	45. Oxford University, UK/NSTDA	- Combinatorial synthesis of novel antifolates (Dr. Worachart Sirawaraporn)	- Screening of antifolates from combinatorial synthesis	1998-present		Prof. Gordon Lowe Dyson Perrins Laboratory, Oxford University, South Parks Rd., Oxford, OX1 3QY, UK
	46. University of Edinburgh, UK/NSTDA	- Drug target in malaria (Dr. Worachart Sirawaraporn)	- Structural studies on malaria DHFR	1998-present		Prof. Malcolm Walkinshaw Division of Biological Sciences, Institute of Cell and Molecular Biology, University of Edinburgh, King's Buildings, Mayfield Rd Edinburgh, EH9 3JR, UK
		- X-ray crystallography of proteins <i>(Dept. of Biochemistry)</i> (Prof. Jisnuson Svasti)	- Collaborative research - Split-mode Ph.D.	2001-2003	/	

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	47. University of Leeds, UK	- Biotechnology	- Research collaboration - Student and staff exchange	2000-2005	/	Prof. E.J. Wood
	48. University of Manchester, Institute of Science & Technology (UMIST), Dept. of Biomolecular Sciences, UK	- Malaria drug targets <i>(Dept. of Biochemistry)</i> (Dr. Worachart Sirawaraporn)	- Inhibitor design and molecular mechanisms of drug resistance in malaria	1998-present		Prof. John E Hyde Dept. of Biomolecular Sciences, University of Manchester, Institute of Science & Technology (UMIST) PO. Box 88, Manchester M60 1QD, UK Tel: 44-161-200-4185 Fax: 44-161-236-0409 Email: john.hyde@umist.ac.uk
	49. University of Manchester, School of Pharmacy & Pharmaceutical Sciences, UK	- Malaria drug targets <i>(Dept. of Biochemistry)</i> (Dr. Worachart Sirawaraporn)	- Inhibitor design and molecular mechanisms of drug resistance in malaria	1998-present		Prof. Kenneth T. Douglas School of Pharmacy & Pharmaceutical Sciences, University of Manchester, Manchester, M13 9PL, UK Tel: 44-161 275 2371 Fax: 44 -161 275 2481 Email: mbpssktd@man.ac.uk

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	50. University of Wales, UK	- Genetics and evolution	- Exchange of graduate students and research advisors - Coordination in research programs			
	51. University of Warwick, UK	- Computational physics	- Joint research	10 yrs.		Prof. J. B Staunton University of Warwick Coventry, CV4 7AL, UK
	52. Center for Disease Control, USA	- Genomics of plasmodium falciparum and plasmodium vivax	- Genomics research - Analysis of sequence P. falciparum vaccine candidate genes - Training of graduate students	1999-2005		Dr. Altaf A. Lal Head, Malaria Section, Center for Disease control
	53. Howard University, USA	- Parasitology	- Exchange of graduate students and research advisors - Coordination in research programs			

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	54. National Cancer Institute USA	- Biochemistry - Toxicology - Pharmacology <i>(Dept. of Pharmacology)</i>	- Exchange of graduate students and research advisors - Coordination in teaching and research	1-2 yrs.	/	Dr. Frank J. Gonzalez
	55. New York University, Graduate School of Arts and Science, USA	- Various fields of biology <i>(Dept. of Biology)</i>	- Conduct research at NYU in various fields of study within the area of biology by involving visiting research scholars from MU	1 yr.		Prof. Richard Borowsky Department of Biology, New York University, 1009 Main Building, Washington Sq. NW 10003, USA
	56. Smithsonian Institute, USA	- Conservation biology and ecology	- Exchange graduate students and research advisors - Coordination in research programs			

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	57. Thomas Jefferson University, Dept. of Microbiology and Immunology Center for Neurovirology, Jefferson Medical College, USA	- Pathogenesis of rabies virus infection <i>(Dept. of Microbiology)</i>	- Research collaboration			Prof. Bernhard Dietzchold Dept. of Microbiology and Immunology Center for Neurovirology, Jefferson Medical College
	58. University of Arizona, USA	- Physiology <i>(Dept. of Physiology)</i>	- Student and faculty exchange - Research collaboration	1999-2004	/	Prof. W.F. Dantzler Chairman, Dept. of Physiology, School of Medicine, University of Arizona, Tucson, AZ 85724-5051, USA
	59. University of Arizona and The Oceanic Institute, USA	- Aquaculture and shrimp molecular biology, and biotechnology <i>(Ms. Kanokporn Chayaburakul)</i>	- Cooperation under the Royal Golden Jubilee Program	3 yrs.		1. Prof. Donald Lightner Dept. of Veterinary Science and Microbiology, University of Arizona, Tucson 2. Dr. Shuan Moss Senior researcher, The Oceanic Institute, Hawaii

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	60. University of California, Davis, USA	- Medical entomology <i>(Dept. of Biology)</i>  - Entomology	- Research collaboration  - Exchange of graduate students and research advisors - Coordination in research programs	2000-2005		1. Prof. Dr. Thomas Scott Dept. of Entomology 2. Prof. Dr. John D. Edman, Center for Vector-Borne Disease Pathology, Microbiology, and Immunology, School of Veterinary Medicine, University of California, Davis, CA 95616, USA
	61. University of Florida, USA	- Wildlife ecology <i>(Dept. of Biology)</i>	- Research collaboration	1997-present		Prof. John F. Eisenberg Dept. of Wildlife and Range Sciences, School of Forest Resources and Conservation, University of Florida, Gainesville, Florida, USA

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		- Conservation biology and ecology	- Exchange of graduate students and research advisors - Coordination in research programs			
	62. University of Illinois, USA	<i>(Dept. of Microbiology)</i>	- Research collaboration			Prof. Scott & Franzblau
	63. University of Illinois at Chicago, USA	- Physiology <i>(Dept. of Physiology)</i>	- Student and faculty exchange - Research collaboration	2002-2003	/	Prof. J.R. Solaro Chairman, Dept. of Physiology, School of Medicine, University of Illinois at Chicago
	64. University of Illinois at Chicago, College of Pharmacy, USA	- Anti-tumor and anti-HIV research <i>(Dept. of Chemistry)</i>	- Research collaboration			
	65. University of Maryland, Department of Mathematics and Statistics, USA	- Mathematics & statistics <i>(Dept. of Mathematics)</i>  - Statistics and applied statistics	- Research collaboration  - Joint research			Prof. Bimal K. Sinha Dept. of Mathematics and Statistics, University of Maryland, Baltimore Maryland, USA

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	66. University of Massachusetts, Graduate School, The International Programs, and The Life Science Programs, USA	<ul style="list-style-type: none"> <li>- Broad areas of biology</li> <li>- Biotechnology</li> <li>- Phytoremediation</li> </ul>	<ul style="list-style-type: none"> <li>- Exchange of graduate students and research advisors</li> <li>- Coordination in research programs</li> </ul>	2001-2006		The Graduate School, The International Programs and The Life Science Programs, University of Massachusetts, Amherst, MA 01003, USA
		<ul style="list-style-type: none"> <li>- Biotechnology <i>(Dept. of Food Science)</i></li> </ul>	<ul style="list-style-type: none"> <li>- Research collaboration</li> <li>- Student and staff exchange</li> </ul>	1999	/	Prof. Pavinee Chinachoti
	67. University of Michigan, USA	<ul style="list-style-type: none"> <li>- Malacology <i>(Dept. of Biology)</i></li> </ul>	<ul style="list-style-type: none"> <li>- Research collaboration</li> </ul>	1990-present		Prof. Dr. B. Burch University of Michigan, Ann Arbor, MI 48109-1079 USA
		<ul style="list-style-type: none"> <li>- Mechanistic enzymology</li> </ul>	<ul style="list-style-type: none"> <li>- Research Collaboration <i>(Dr. Pimchai Chaiyen)</i></li> </ul>	1998		Dr. David Ballou Dept. of Biological Chemistry, Medical Science I Building, Ann Arbor, MI, USA
	68. University of Rochester, USA	<ul style="list-style-type: none"> <li>- Biology <i>(Dept. of Biology)</i></li> </ul>	<ul style="list-style-type: none"> <li>- Student and faculty exchange</li> </ul>	1999-2004	/	Prof. Dr. John H. Werrens Dept. of Biology, University of Rochester New York, USA

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		- Broad areas of biology <i>(Dept. of Biology)</i> (Dr. Pattamaporn Kitityapong)	- Exchange of graduate students and research advisors  - Coordination in research programs	5 yrs.		Mr. Paul J. Slattey Dept. of Biology, University of Rochester
	69. University of Syracuse, New York, USA	- Molecular pharmacology - Bio-informatics <i>(Dept. of Pharmacology)</i>	- Coordination of teaching and research	3-12 months		Prof. K.W. Foster
	70. University of Texas, Dallas, USA	- Roles of PP2A in Alziemer's disease <i>(Dept. of Anatomy)</i>	- Ph.D. student training  - Collaboration in research	2002		1. Dr. Estelle Sontag 2. Dr. Vipada Craige Dept. of Pathology, Southern Medical Center at Dallas, University of Texas
	71. University of Washington, Seattle, USA	- Malaria and mycobacterial drug targets <i>(Dept. of Biochemistry)</i> (Dr. Worachart Sirawaraporn)	- Structural studies of malarial and mycobacterial drug targets	1998-present		Prof. Wim G. J. Hol Department of Biochemistry, University of Washington, Seattle, USA Tel: 206 685 7044 Fax 206 685 7002 Email: HOL@gouda.bmsc. washington.edu

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	72. University of Wisconsin, USA	<ul style="list-style-type: none"> <li>- Antifertility research involving extracts of a medicinal herb Trytergium and marmoset monkeys (Dr. Vichai Reutrakul)</li>   <li>- <i>In vitro</i> fertilization research to produce high quality dairy cow embryos (Prof. Kanok Pavasuthipaisit)</li>   <li>- Research on the structure and function of biomolecules (Prof. Jisnuson Svasti)</li> </ul>	<ul style="list-style-type: none"> <li>- Joint research groups utilizing colony of monkeys at the Wisconsin Primate Center to test compound isolated at Mahidol</li>   <li>- Utilization of oocytes from superior cows in Wisconsin to be flown to Thailand and utilized via <i>in-vitro</i> fertilization for dairy cow production</li> <li>- Cooperative research</li> <li>- Student and faculty exchange</li>   <li>- Collaborative research</li> <li>- Exchange of staff and students</li> </ul>	1995-present	/	

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	73. University of Wisconsin-Madison, USA	<ul style="list-style-type: none"> <li>- Medical microbiology and immunology and bacteriology <i>(Dept. of Microbiology)</i></li> <li>- Management of fresh water environments in particular</li> <li>- The ecology of wetlands and conservation of aquatic biodiversity <i>(Dr. Warran Y. Brockelman)</i></li> </ul>	<ul style="list-style-type: none"> <li>- Professor Markley taught a short course on NMR spectroscopy</li> <li>- Ronald Raines and Laura Kiessling gave lectures</li> <li>- Agreement on sending Ph.D. students</li> <li>- Research</li> <li>- Exchange of staff</li> </ul>		/	<ul style="list-style-type: none"> <li>1. W.P. Weidanz Professor &amp; Chair</li> <li>2. Rod Welch Professor and Chair-elect, Dept. of Medical Microbiology and Immunology</li> <li>3. G.H.Chambliss Professor and Chair of Bacteriology</li> <li>4. Ronald Raines Biochemistry and Admission</li> </ul>

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	74. University of Wisconsin, Wise Regional Private Research Center, USA	- Conservative biology and wildlife ecology - Environment (esp. forest monitoring) (Dr. Warren Y. Brockelman)	- Support for visiting staff doing field research - Joint field protection of ecology and food habits of monkeys in Thailand	1995-present	/	
	75. Vanderbilt University, USA	- Mathematical modeling  - Mathematics	- Joint research  - Research, academic and student exchange	10 yrs.		Prof. Philip S. Crooke Dept. of Mathematics Vanderbilt University, Nashville, Tennessee 37240, USA
	76. Virginia Polytechnic and State University, USA	- Structure and function of $\beta$ -Glucosidases <i>(Dept. of Biochemistry)</i> (Prof. Jisnuson Svasti)	- Collaborative research - Split-mode Ph.D.	2001-2003		Prof. Asim Esen Dept. of Biochemistry, Virginia Polytechnic and State University
	77. Washington State University, USA	- Mathematical modeling	- Joint research	3 yrs.	/	Prof. D. Willking Washington State University P.O.Box 645110 Pullman, WA 99164-5110, USA

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
		- Mathematics	- Research academic - Academic and student exchange	5 yrs.	/	Prof. Davod K. Wollkind Dept. of Pure and Applied Mathematics, Washington State University, Pullman, WA 99164-3113, USA
	78. Washington University, USA	- Malaria parasite proteases <i>(Dept. of Biochemistry)</i> (Dr. Prapon Wilairat)	- Student exchange - Research collaboration	2000-present		Prof. D.E. Goldberg Department of Molecular Medicine and Microbiology, Washington University, St. Louis Missouri 63110, USA
	79. Walter Reed Army Institute of Research, USA	- Entomology <i>(Dept. of Biology)</i>  - Genetics and evolution	- Research collaboration  - Exchange of graduate students and research advisors - Coordination in research programs	1990-present	/	Dr. Daniel Strickman Dept. of Entomology, Division of Communicable Disease and Immunology, Walter Reed Army Institute of Research, Bldg. 503, Robert Grout Avenue, Silver Spring,

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
<b><i>Future Collaboration</i></b>	80. Yale University, USA	- Molecular biology and developmental biology - Entomology	- Exchange of graduate students and research advisors - Coordination in research programs	1994-present		MD 20910, USA  Dr. Scott L. O' Neil Section of Vector Biology Dept. of Epidemiology and Public Health, School of Medicine, Yale University, 60 College Street, New Haven, CT 06520 USA
	81. Wild Warch Thailand Ltd., THAILAND	- Wildlife conservation	- Research data gathering and conservation activity support	2001	/	1. Mr. Neil Challis Managing Director 2. Mr. Pete Cutter Program Director 211 Moo. 7, Tambon Chongsadao Amphur Muang, Kanchanaburi 71190
	82. World Health Organization	- Tropical diseases research <i>(Organic chemistry)</i>	- Research	1998-present	/	
	1. Deakin University, AUSTRALIA	- Reproductive neuroendocrinology <i>(Dept. of Anatomy)</i>	- Cooperation under the Royal Golden Jubilee (RGJ) Program			Assoc. Prof. Peter J. Hanna Faculty of Science and Technology, Deakin University

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	2. University of Muenster, GERMANY		- Collaborative project - Co-advise Ph.D. student - Exchange junior staff and student training collaboration	3 yrs.		Prof. Hans J. Galla Institute for Biochemistry, University of Muenster, Muenster D 48149, Germany
	3. Hokkaido University, JAPAN	- Molecular pharmacology	- Exchange of graduate students and research advisors - Coordination in teaching and research			Prof. T. Kamataki
	4. Okayama University, Faculty of Pharmaceutical Science, JAPAN	- Malarial inhibitors ( <i>Dept. of Biochemistry</i> ) (Dr. Worachart Sirawaraporn)	- Target inhibitor testing			Prof. Yusuke Wataya Faculty of Pharmaceutical Science, Okayama University Tushima, Okayama, Japan Tel: 81 86 251 7976 Fax: 81 86 251 7974 Email: wataya@pheasant. pharm.okayama-u.ac.jp

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	5. Univeristy of Aberdeen, Department of Chemistry, UK	- Analytical chemistry - Environmental chemistry <i>(Dept. of Chemistry)</i>	- Exchange of students - Cooperative research			Dr. Iain L. Mar
	6. KOSAN Bioscience, Inc., USA	- Polyketides <i>(Dept. of Biochemistry)</i> (Dr. Worachart Sirawaraporn)	- Epothilone production			Prof. Daniel V. Santi Chairman & C.E.O KOSAN Biosciences, Inc. 3832 Bay Center Place, USA Hayward, CA 94545 Tel: 510 732 8400 ext. 204 Fax: 510 732 8401 Email: santi@kosan.com
<b><i>FACULTY OF SOCIAL SCIENCES AND HUMANITIES</i></b>						
<i>Present Activities</i>	1. Yunnan Reproductive Health Research Association, CHINA  2. University of Nebraska-Lincoln, USA	- Reproductive health  - Facilitate collaborative program of cross-cultural research, training, curriculum institutional development and information disseminations - Exchange of faculty members - Exchange of students and staff	- Conducting research	2001-2006	/	Prof. Zhang Kaining

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
<b><i>FACULTY OF TROPICAL MEDICINE</i></b>						
<b><i>Present Activities</i></b>	1. University of Innsbruck, AUSTRIA	- Tropical medicine	<ul style="list-style-type: none"> <li>- Elective program in Tropical Medicine for medical students</li> <li>- Joint research project</li> <li>- Exchange of academic staff</li> </ul>	1992-present	/	
	2. The Health of Animals Laboratory, Canadian Food Inspection Agency, Government of Canada, Saskatoon, CANADA	- Tropical medicine	<ul style="list-style-type: none"> <li>- Development of and collaboration on research project</li> <li>- Plans and applications for funds to support joint projects</li> <li>- Availability of facilities, expertise and training for staff and student at both institutes</li> <li>- Exchange of scientific data, reference materials, and other samples</li> </ul>	1998	/	

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	3. Universite' Pierre et Marie Curie, FRANCE	- Tropical medicine	- Student exchange - Research collaboration - Workshops & seminars	1995-present	/	
	4. Freie Universitat at Berlin, GERMANY	- Tropical medicine	- Exchange of scientific material, publications and information - Exchange of professors and research scholars - Joint research and research meetings	1985-present	/	
	5. Nagasaki University, JAPAN	- Tropical medicine	- Exchange of staff and students - Development of cooperative research and teaching program - Exchange of information, academic materials and publication	1999-2004	/	

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	6. University of Tsukuba, JAPAN	- Tropical medicine	- Exchange of professors and research scholars - Exchange of students - Organization of cooperative research and scientific meeting - Exchange of scientific documents, publications and information	1998-2003	/	
	7. The Nippon Medical Care, SINGAPORE	- To establish the "TROPMED NIPPON MEDICAL CARE UNIT"	- Provide medical care services to local Japanese community, their dependents, and Japanese tourists	2002-2006	/	
	8. Liverpool School of Tropical Medicine, UK	- Tropical medicine	- Development of cooperative teaching program and research - Exchange of staff and students	1999-2004	/	

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	9. University of Leicester, UK	- Tropical medicine	<ul style="list-style-type: none"> <li>- Exchange of information, academic materials, and publications</li> <li>- Development of co-operative teaching programmes and research</li> <li>- Exchange of staff and students</li> <li>- Exchange of information, academic materials and publications</li> <li>- Admission of students to take degree or other courses</li> </ul>			
	10. University of Oxford, The Nuffield Department of Medicine, London and The Wellcome Trust, UK	- Tropical medicine	<ul style="list-style-type: none"> <li>- Joint research projects</li> <li>- Exchange of staff</li> </ul>	1979-2005	/	

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	11. JICA, JAPAN	- Training on parasite control (The Asian Center of International Parasite Control Project)	- Dispatch of Japanese experts - Provision of machinery and equipment - Training of Thai personnel in Japan - Third country training	2000-2005	/	
	12. SEAMEO TROPMED Network and the Swiss Tropical Institute, Basel, SWITZERLAND	- Medical parasitology epidemiology and public health	- Strengthen the teaching/training capabilities in tropical medicine, medical parasitology, epidemiology and public health - Promote and foster joint projects to strengthen research capability in the above areas - Establish links	1998-present	/	

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	13. Southeast Asian Ministers of Education Organization (SEAMEO)	- Tropical medicine and public health	between the European postgraduate study program - MU to assist and guide STI in establishing joint projects in SE Asia - Promote staff and student exchange  - Training	1967-present	/	
<b><i>FACULTY OF VETERINARY SCIENCE</i></b>						
<b><i>Present Activities</i></b>	1. Vienna Zoo, AUSTRIA	- Elephant management and diseases - Training in zoo management	- Workshop in Elephant Foot Care	2001- not specified		Dr. Harry Schwammer
	2. Institute for Zoo Biology and Wildlife Research, Berlin, GERMANY	- Viruses in elephant - Elephant reproductive physiology (Dr. Parntep Ratanakorn)	- Workshop - Survey - Training - Research - Set GRB	1999- not specified	/	Dr. T. Hildebrandt, IZW

## COLLABORATIVE ACTIVITIES AND INSTITUTIONS

Name of Organization	Agency / Country	Areas of Interest	Activity	Duration	MOU	Contact Person
	3. Utrecht University, Faculty of Veterinary Medicine, THE NETHERLANDS	- Veterinary clinic	- Exchange of faculty members for teaching, research training, postgraduate and postdoctoral studies - Student exchange	1998-2003	/	Dr. Robert W. Paling, P.O.Box 80.163, 3508, TD Utrecht, The Netherlands
	4. Wildlife Conservation Education & Management Project (WICEMA), THE NETHERLANDS	- Wildlife medicine and management, wildlife propagation	- Student exchange - Funding for wildlife health care	2001- not specified	/	Mr. Marc Maassen
	5. North Carolina State University, Faculty of Veterinary Medicine, USA	- Zoo and wildlife medicine - Aquatic medicine (Dr. Parntep Ratanakorn)	- Workshop on ZWN course - Set up M.S, Ph.D. - Set up residency training	2000- not specified	/	Prof. M. Stoskopf