

International Joint Research Projects FY2012

Faculty Affiliation	Name	Post	Field of Research	Research Partner Name	Country	Joint Researcher's Name and Post
Education	Yumiko Takagi	Professor	Development of environmental-benign SSC teaching material using ionic liquids	Colorado State University	U.S.A.	Professor Stephen Thompson
Education	Yumiko Takagi	Professor	Junior High School Student's Attitude toward School Science textbook between China and Japan	Jiangxi Normal University	China	Japanese teacher • Gong Xiaoyun
Education	Yumiko Takagi	Professor	Student exchange program as a means to sustainable learning Experience, and understanding of cultural diversity	Chiang Mai University	Thailand	Assistant professor Wichian Sunitham
Education	Satoshi Murayama	Professor	Water Culture Studies on Disaster Prone Areas	Gram Bangla	Bangladesh	Chairman, S. I. Khan
Education	Satoshi Murayama	Professor	Comparative Study of Reservoirs and Ponds Culture	University of South Bohemia	Czech Rep.	Lecturer, Josef Grulich
Education	Satoshi Murayama	Professor	Comparative Study of the Family	University of Cergy Pontoise	France	Associate Professor, Marie-pierre Arrizabalaga
Education	Masafumi Matsumura	Professor	Multiple Light Scattering by Aligned Grains	University of Montreal	Canada	Professor • Pierre Bastien Graduate student • Julien Vandeportal
Law	Yukako Sagawa	Associate Professor	Strafrecht AT – Auswirkungen im Medizinstrafrecht	University Giessen	Germany	Prof.Dr. Kim, Dr. Liane Wörner
Medicine	Nobukazu Araki	Professor	Molecular regulatory mechanism of phagocytosis and macropinocytosis	University of Michigan	U.S.A	Professor • Joel A. Swanson
Medicine	Katsuya Miyake	Associate Professor	Live Imaging of membrane repair in the mouth by multi-photon laser microscope	Georgia Health Science University	U.S.A.	Professor • Paul L. McNeil
Medicine	Katsuya Miyake	Associate Professor	Live Imaging of membrane repair for squid giant axon using two photon laser microscope	NIH/NICHD	U.S.A.	Senior Investigator • Joshua Zimmerberg
Medicine	Akira Nishiyama	Professor	Role of (pro)renin receptor in the pathophysiology of hypertension and renal disease	UMR INSERM	U.S.A.	Professor, Genevieve Nguyen
Medicine	Akira Nishiyama	Professor	Effects of aldosterone and mineralocorticoid receptor blockade on intrarenal renin-angiotensin system	California University, Natural Sciences	U.S.A.	Assistant Professor, Rudy M. Ortiz
Medicine	Akira Nishiyama	Professor	Role of cytochrome P450 in regulating intrarenal renin-angiotensin system	Institute for Clinical and Experimental Medicine (ICEM)	Czech Rep.	Chairman & Professor, Ludek Cervenka
Medicine	Hirofumi Hitomi	Associate Professor	Effects of renin-angiotensin-aldosterone system on vascular insulin resistance	Emory University, Division of Cardiology	U.S.A.	Professor, Kathy K. Griendling
Medicine	Hirofumi Hitomi	Associate Professor	Role of intrarenal renin-angiotensin system in the pathophysiology of hypertension and renal disease	Tulane University Health Sciences Center	U.S.A.	Chairman & Professor, L. Gabriel Navar
Medicine	Daisuke Nakano	Associate Professor	the role of endothelin on regulation of sodium handling in renal medulla	South California University, School of Medicine	U.S.A.	Associate Professor, Janos Peti-Peterdi
Medicine	Natsuo Ueda	Professor	Enzymological studies on the tumor suppressor HRAS family	Qiqihar Medical University	China	Professor Xing-Hua Ji
Medicine	Natsuo Ueda	Professor	Site-specific and time-dependent activation of the endocannabinoid system after transection of long-range projections	Leipzig University	Germany	Professor Faramarz Dehghani
Medicine	Natsuo Ueda	Professor	Endogenous molecules stimulating N-acylethanolamine-hydrolyzing acid amidase (NAAA)	The Scripps Research Institute	U.S.A.	Professor Benjamin F. Cravatt
Medicine	Nobuyuki Kudomi	Associate Professor	Validation of input functions obtained by H215O and 18FDG PET imaging of rat heart	Turku PET Centre, Turku University	Finland	H Sipilä, A Autio, V Oikonen, H Liljenbäck, M Tarkia, J Laivala, J Johansson, M Teräs, A Roivainen

Medicine	Nobuyuki Kudomi	Associate Professor	Computation of Myocardial blood flow and Oxygen metabolism using ¹⁵ O-compounds and PET	Turku PET Centre, Turku University	Finland	K Kalliokoski , J Kemppainen, M Luotolahti, C Han, V Oikonen, H Sipilä, D Duncker, J Knuuti, I Heinonen
Engineering	Kazunari Shinagawa	Professor	Three-Dimensional FE Method for Simulation of Some Phenomena during Liquid Phase Sintering	University of Nish	Serbia	Prof. Zoran S. NIKOLIC
Engineering	Hideyuki Sawada	Professor	A study on the measurement technique of fruit internal quality using acoustic signal processing	Chiang Mai University	Thailand	Nipon TheeraUmpon Sansanee Auerphanwiriyakul Nattapong Swangmuang Kasemsak Uthaichana
Engineering	Hideyuki Sawada	Professor	A Study of Multi-modal Interface that Flexibly Understands Human Behavior	Chiang Mai University	Thailand	Nipon TheeraUmpon Sansanee Auerphanwiriyakul Nattapong Swangmuang Kasemsak Uthaichana
Engineering	Hideyuki Sawada	Professor	A study on the multimodal interface and the computational intelligence	The University of Savoie	France	Eric Benoit Patrice Moreaux Philippe Bolon
Engineering	Shuxiang Guo	Professor	A New Micro Catheter System for Intravascular Neurosurgery	Harbin Engineering University, Beijing University of Technology, Bijing Institute of Technolohy, Wuhan University of Technology, Tianjin Uniersity of Technology	China	Professor Yanling Hao, Professor Xiufen Ye, Professor Jianwen Cui, Prof.Hongtao Gao, Prof.Desheng Li, Prof.Chunfu He, Prof.Bendog Liu
Engineering	Shuxiang Guo	Professor	The Mechanism and Control of a New Type of operating Robotics System for Medical Applications	Harbin Engineering University, Beijing University of Technology, Bijing Institute of Technolohy, Wuhan University of Technology, Tianjin Uniersity of Technology	China	Professor Xiufen Ye, Professor Kejun Wang
Agriculture	Hisashi Kato	Professor	Mode of action of allelopahtic subatanses	Cadiz University	Spain	Professore•José María González Molinillo Professore•Francisco A. Macías
Agriculture	Hisashi Kato	Professor	Developmemt of bio-herbicide from Thai medicinal plants	King Mongkut's Institute of Technology	Thailand	Assosiate professore • Chamroon Laosinwattana
Agriculture	Hisashi Kato	Professor	Allelopathy in medicinal plants	Bangladesh Agricultural University	Bangladesh	Professor•Md. Sultan Uddin Bhuiya
Agriculture	Yoshii Hidefumi	Professor	Enzymatic Engineering of Nano-structured Functional Lipid Powder by Emulsification and Encapsulation	VTT Technical Research Centre of Finland - Business from technology	Finland	Chief Researcher•Riitta Partanen
Agriculture	Yoshii Hidefumi	Professor	Formation of fuctional powder	Faculty of Engineering, Chulalongkorn University	Thailand	Lecturer•Apinan Soottitantawat
Agriculture	Kameyama Hiroshi	Associate Professor	Small Water Impounding Project and Soal Capital	University of the Philippines Los Baños	Philippines	Professor•Gloria Luz M. Nelson
Agriculture	Kameyama Hiroshi	Associate Professor	Productivity Analysis for Broiler farm	Chiang Mai University	Thailand	Lecturer•Kamol Ngamsomsuk(Head of Agricultural Extention and Economics)
Agriculture	Kameyama Hiroshi	Associate Professor	Regional Comparison of Cassava Production Profitability by Risk Analysis	Chiang Mai University	Thailand	Lecturer•Kamol Ngamsomsuk(Head of Agricultural Extention and Economics)
Agriculture	Takeshi Katayama	Professor	Investigation of the novel physiologically active substances originated from medicinal plants and fancy woods in Indonesia	Bogor Agricultural University, Mulawarman University	Indonesia	Professor•Wasrin Syafii, Professor•Sipon Muladi
Agriculture	Toshisada Suzuki	Associate Professor	Investigation of the novel physiologically active substances originated from medicinal plants and fancy woods in Indonesia	Bogor Agricultural University, Mulawarman University	Indonesia	Professor•Wasrin Syafii, Professor•Sipon Muladi

Agriculture	Takeshi Katayama	Professor	Isolation and identification of chemical constituents from bark of tropical fast-growing trees and from each part of tropical plants, and their biological activities	Faculty of Mathematics and Natural Sciences, Bogor Agricultural University	Indonesia	Lecturer•Syamsul Falah, Lecturer•Dimas Adrianto, Lecturer•Waras Nurcholis, Head of Department • Sulistitani
Agriculture	Toshisada Suzuki	Associate Professor	Isolation and identification of chemical constituents from bark of tropical fast-growing trees and from each part of tropical plants, and their biological activities	Faculty of Mathematics and Natural Sciences, Bogor Agricultural University	Indonesia	Lecturer•Syamsul Falah, Lecturer•Dimas Adrianto, Lecturer•Waras Nurcholis, Head of Department • Sulistitani
Agriculture	Takeshi Katayama	Professor	Extractives of <i>Jatropha curcas</i> , a plant for the production of biodiesel fuel, and their biological activities	Faculty of Agriculture, Chiang Mai University	Thailand	Lecturer•Tanachai Pankasemsuk
Agriculture	Toshisada Suzuki	Associate Professor	Extractives of <i>Jatropha curcas</i> , a plant for the production of biodiesel fuel, and their biological activities	Faculty of Agriculture, Chiang Mai University	Thailand	Lecturer•Tanachai Pankasemsuk
Agriculture	Takeshi Katayama	Professor	Plantation and Agroforestry of Falcata (<i>Albizzia falcataria</i>) in Indonesia and utilization of the waste Falcata wood	Faculty of Agriculture, University of Pembangunan Nasional "Veteran" East Java, Bogor Agricultural UniversityFaculty of Agriculture, Faculty of Mathematics and Natural Sciences	Indonesia	Dean•Ramdan Hidayat, Professor•Roedhy Poerwanto, Lecturer• Syamsul Falah,
Agriculture	Toshisada Suzuki	Associate Professor	Plantation and Agroforestry of Falcata (<i>Albizzia falcataria</i>) in Indonesia and utilization of the waste Falcata wood	Faculty of Agriculture, University of Pembangunan Nasional "Veteran" East Java, Bogor Agricultural UniversityFaculty of Agriculture, Faculty of Mathematics and Natural Sciences	Indonesia	Dean•Ramdan Hidayat, Professor•Roedhy Poerwanto, Lecturer• Syamsul Falah
Agriculture	Takeshi Katayama	Professor	Natural wood preservatives from Indonesian wood extractives	Faculty of Forestry, Hasanuddin University	Indonesia	Lecturer•Syahidah
Agriculture	Toshisada Suzuki	Associate Professor	Natural wood preservatives from Indonesian wood extractives	Faculty of Forestry, Hasanuddin University	Indonesia	Lecturer•Syahidah
Institute of Research Partnership	Nozomu Nishi	Associate Professor	Role of galectin-9 in virus-induced tumor cells	Centre National de la Recherche Scientifique	France	Professor• P. Busson
Institute of Research Partnership	Nozomu Nishi	Associate Professor	Molecular mechanisms underlying T cell apoptosis induced by galectin-1	University Rostock	Germany	Professor• Dr. H. Walzel
Institute of Research Partnership	Nozomu Nishi	Associate Professor	Molecular mechanisms underlying tumor cell and T cell apoptosis	University Medical Center Groningen	Netherlands	Dr. E. Bremer
Institute of Research Partnership	Nozomu Nishi	Associate Professor	Effect of galectins on cell spreading and proliferation of human retinal pigment epithelial cells	Helmholtz Zentrum Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH)	Germany	Dr. Stefanie Hauck