List of Fellows FY2018 (Strategic)

Fellow			Host Researcher		Host Institution	Research Theme
Family Name	First Name	Middle Name	Family Name	First Name		
CHRYSLER	Benjamin	David	OTANI	Yukitoshi	Utsunomiya University	Analysis and optimization of a Mueller matrix snapshot spectropolarimeter
HOROWITZ	Benjamin	Aaron	TAKADA	Masahiro	The University of Tokyo	Initial Density Reconstruction from 3D Intergalactic Medium Tomographic
KATO	Keiko		KOMABA	Shinichi	Tokyo University of Science	Novel electrode materials with facile Na-ion diffusion kinetics
MCLEOD	Lauren	Carolyn	SATO	Hiroshi	The University of Tokyo	Imaging Lithospheric Structure with pP Precursors: Upside-Down" Reflection Seismology of Circum-Pacific Subduction Zones"
SCHAPER	Danielle	Coty	SHIMIZU	Hirohiko	Nagoya University	(n, gamma)spectroscopy of 131Xe at the Japan Proton Accelerator Research Complex ANNRI spectrometer for the US-Japan NOPTREX Collaboration Search for Time Reversal Violation
VISSERS	Caroline	Alexandra Beecher	KAGEYAMA	Ryoichiro	Kyoto University	m6A mRNA Methylation Regulates Oscillatory Transcription Factors in Neural Stem Cells
ASHKINADZE	Dzmitry		SHIRAKAWA	Masahiro	Kyoto University	Biochemical and Structural Studies of α-Synuclein-Membrane Complexes using Fluorescent Nanodiamond Technology
CENER	Denis	Jan	ADACHI	Taiji	Kyoto University	In-silico modelling of loading frequency-dependent bone adaptation
CHEN	Jyong-Hao		OSHIKAWA	Masaki	The University of Tokyo	Quantum many-body electric polarization in the continuum and on the lattice
EISENSTEIN	Fabian		KIKKAWA	Masahide	The University of Tokyo	Structural Studies of Bacterial Contractile Injection Systems
ENZ	Bernhard	Markus	SATOH	Masaki	The University of Tokyo	Importance of Tropical vs.Extratropical Influences for the Formation and Intensification of Atlantic Hurricanes
HENTZEN	Nina		AIDA	Takuzo	The University of Tokyo	Guanidinium-based molecular glues for the modulation of a two-component protein network
JUNQUERA	Victoria		ISHIKAWA	Noboru	Kyoto University	Cash crop booms at the frontier: dynamics and impacts on deforestation
KANTNEROVA	Kristyna		YOSHIDA	Naohiro	Tokyo Institute of Technology	Tracing microbial N2O production pathways using clumped isotopes
OMILEKE	Favour		KUNUGI	Hiroshi	NCNP	Identifying biomarkers in psychiatric disorders
PAN	Zezhen		HADA	Masahiko	Tokyo Metropolitan University	Uranium isotope fractionation during biotic and abiotic reduction
REBER	David		YAMADA	Atsuo	The University of Tokyo	High-voltage aqueous electrolyte for batteries and supercapacitors
BALAKRISHNAN	Divya		FUKUTA	Yoshimichi	Japan International Research Center for Agricultural Sciences	Exploring genetic architecture of blast resistance in Chromosome segment substitution lines using standard differential blast isolates (SDBLs)
BALLAMOOLE	Krishna Kumar		KODAMA	Toshio	Osaka University	Unravelling the role of T3SS translocon chaperone complex of human pathogen Vibrio parahaemolyticus in toxin delivery and pathogenesis
GURUMURTHY	Gundiga	Puttojirao	SOHRIN	Yoshiki	Kyoto University	Probing the evolution of late Miocene bottom water oxygenation in the Northeastern Arabian Sea: metal isotope constraints
LEKHAK	Manoj	Madhwanand	SUZUKI	Go	Osaka Kyoiku University	Application of molecular cytogenetic tools to elucidate disjunction between species separated by Gondwana fragments
MONDAL	John		NAKANISHI	Shuji	Osaka University	Molecular Designed of Porous Organic Pokymer (POP) based Catalysts for Energy Applications
RAGHVENDRA			YASHIMA	Masatomo	Tokyo Institute of Technology	Investigation of the Novel Ionic Conductors for Intermediate Temperature Solid Oxide Fuel Cells
SARMA	Siddhartha		ISHIBASHI	Koji	The University of Electro-Communications	Wireless energy harvesting for IoT devices: Theory and Feasibility
SINGH	Sheelendra	Pratap	HISAKA	Akihiro	Chiba University	Exhaustive prediction of xenobiotics exposures based on various information source using physiologically-based pharmacokinetic modeling
TUMMURU	Narsa	Reddy	TAKESHITA	Takaharu	Nagoya Institute of Technology	Development of Smart Power Electronic Control System for e-Vehicles (SPecs-Ev): Hilly Areas
VELU	Karthick		ARIGA	Katsuhiko	National Institute for Materials Science	Multiwalled carbon nanotubes coated peritoneal dialysis catheter for resistance against catheter associated infections