

Research Field	Type	Name	Position/Affiliation	Title	Authors
Special	Invite	Joerge Bednorz	Nobel Prize in Physics 1987		
	Invite	Akira Suzuki	Nobel Prize in Chemistry 2010	Cross-Coupling Reactions of Organoboranes: An Easy Way for Carbon-Carbon Bonding	Akira Suzuki
Nano-Materials	Invite	Anthony Cheetham	Prof./University of Cambridge	Nanostructures of inorganic-organic framework materials	Anthony Cheetham
	Invite	Gero Decher	Prof./Universite Louis Pasteur (ULP) and Centre National de la Recherche Scientifique (C.N.R.S.)	From Polyelectrolyte Multilayers to "Soft" Nano-materials and -devices	Gero Decher
	Invite	Seiji Shinkai	Prof./Kyushu University, Kyushu ISIT, Sojo University	Dynamic Polymer-Polymer Recognition Inspired by Helix-forming Polysaccharides	Seiji Shinkai
	Invite	Takuzo Aida	Prof./ University of Tokyo	Gelatinous Functional Materials	Takuzo Aida
	Invite	Rodney Ruoff	Prof./University of Texas at Austin	Graphene-based and Graphene-derived Materials	Rodney S. Ruoff
	Invite	Yasuhiro Koike	Prof./Keio University	Novel Photonics Polymers towards Face-to-Face Communication	Yasuhiro Koike and Akihiro Tagaya
	PI	Katsuhiko Ariga	MANA	Hand-Operating Nanotechnology: Mechanically Tunable Molecular Recognition	Katsuhiko Ariga
	Satellite PI	Zhong Lin Wang	Prof./UCLA	Nanogenerators as new energy technology and piezotronics for functional systems	Zhong Lin Wang
	Independent	Ryoma Hayakawa	MANA	Optically- and electrically-driven dual-gate organic-thin-film transistor	Ryoma Hayakawa, Kenji Higashiguchi, Kenji Matsuda, Toyohiro Chikyow, and Yutaka Wakayama
Independent	Joel Adam Henzie	MANA	Anisotropic Colloidal Building Blocks and their Assembly into Complex Functional Structures	Joel Henzie	
Nano-System	Invite	Rodney Ruoff	Prof./University of Texas at Austin	Graphene-based and Graphene-derived Materials	Rodney S. Ruoff
	Invite	Elena Sheka	Prof./Peoples' Friendship University of Russia	The impact of graphene molecular nature on properties of graphene crystal	E. F. Sheka
	Invite	Michelle Y. Simmons	Prof./Center for Quantum Computation and Communication Technology, School of Physics, University of New South Wales	Quantum Computing in Silicon with Donor Electron Spins	M.Y. Simmons
	Invite	Takahiro Shinada	Dr./AIST	Deterministic doping for nanoelectronics and the application to biological system	Takahiro Shinada
	Invite	Teruo Ono	Prof./Kyoto University	Electrical control of magnet	Teruo Ono
	Invite	Naoto Nagaosa	Prof./ University of Tokyo	Skyrmion – particle in helical magnets	Naoto Nagaosa
	Satellite PI	James Gimzewski	Prof./UCLA		
	PI	Kazuhiro Tsukagoshi	MANA	Self-crystallization of organic semiconductor for high performance field-effect transistors on any substrate	Kazuhiro Tsukagoshi, Yun Li, Chuan Liu
	MANA Scientist	Takashi Uchihashi	MANA	Surface-Molecular Hybrid Superconductors: Towards Realization of Majorana Fermions	Takashi Uchihashi
Independent	Katsunori Wakabayashi	MANA	Tuning of Magnetic and Conducting Properties of Nanoscale Graphene	Katsunori WAKABAYASHI, Sudipta DUTTA	
Nano-Power	Invite	Andrew A. Gewirth	Prof./i ² CNER, Kyushu University, University of Illinois at Urbana-Champaign	Electrocatalysis of Oxygen and Nitrogen Reduction: Mechanistic Studies and the Design of New Catalysts	Andrew A. Gewirth, Matthew Thorseth, Claire Tornow, Edmunds Tse, Dennis Butcher
	Invite	Nate Lewis	Director/Joint Center for Artificial Photosynthesis, CalTech	Sunlight-Driven Hydrogen Formation by Membrane-Supported Photoelectrochemical Water Splitting	Nathan. S. Lewis
	Invite	Hiroshi Imahori	Prof. /iCeMs, Kyoto University	Photoinduced Charge Separation for Energy and Biological Applications	Hiroshi Imahori
	Invite	Yoshitada Morikawa	Prof./Osaka University	First-principles Simulations of Catalytic Reactions at Interfaces	Yoshitada Morikawa
	PI	Jinhua Ye	MANA	Nano-Photocatalytic Materials for Solar Fuel Production	Jinhua YE, Shuxin Ouyang, Peng LI, Naoto Umezawa
	PI	Kazunori Takada	MANA	Nano-scale interface structures for solid-state batteries	Kazunori Takada, Tsuyoshi Ohnishi, and Narumi Ohta
	MANA Scientist	Hidenori Noguchi	MANA	Ultrafast molecular structure dynamics of dye sensitized solar cell studied by femtosecond infrared spectroscopy	Hidenori Noguchi, Mikio Ito, and Kohei Uosaki
	ICYS-MANA	Liwen Sang	MANA	III-Nitride semiconductors for high-efficiency energy conversion devices	Liwen Sang, Meiyong Liao, Naoki Ikeda, Yasuo Koide, and Masatomo Sumiya
Nano-Life	Invite	Buddy Ratner	Professor & Michael L. & Myrna Darland Endowed Chair in Technology Commercialization Joint with Chemical Engineering Director, UW Engineered Biomaterials (UWEB-21)	Nanoscale Surface Modifications for Directing Biological Response	Buddy Ratner
	Invite	Samuel Stupp	Professor of Materials Science, Chemistry, and Medicine Northwestern University	Supramolecular Nanoscale Architectures for Energy and Medicine	Samuel Stupp
	Invite	Makoto Komiyama	Prof./ University of Tsukuba	Manipulation of human genome using chemistry-based DNA cutter	Makoto Komiyama
	Invite	Masatsugu Shimomura	Prof./WPI-AIMR, Tohoku University	Engineering Neo-Biomimetics: Materials Engineering based on Biological Diversity and Self-Organization	Masatsugu Shimomura
	Satellite PI	Francoise Winnik	Prof./Université de Montréal	Nanoarchitectonics-driven interfaces and nanoparticles for therapeutic applications	Françoise M. Winnik
	Satellite PI	Yukio Nagasaki	Prof. / University of Tsukuba	Oral Redox Polymer Therapeutics	Yukio Nagasaki
	Independent	Jun Nakanishi	MANA	Photoactivatable nanopatterned surface to explore cellular nanoarchitectonics in collective migration	Jun Nakanishi, Yoshihisa Shimizu, Heike Boem, and Joachim P. Spatz
	MANA Scientist	Giancarlo Forte	MANA	Dynamic regulation of stem cell behavior through materials nanoarchitectonics: the role of Hippo pathway in stem cell mechanosensing	Giancarlo FORTE, Diogo Mosqueira Silva, Stefania Pagliari, Mitsuhiro Ebara, Koichiro Uto, Sara Romanazzo, Jun Nakanishi, Akiyoshi Taniguchi, Perpetua