

## Call for Proposals

## CREST

Noon on Tue.,  
June 6, 2017

Pursuing Team-Oriented Research that Strives to  
Generate High-Impact Seeds of Innovation  
Research Period : maximum 5.5 years  
Funding : 150 - 500 million Yen / team

## PRESTO

Noon on Tue.,  
May 30, 2017

Promoting Individual Research to Nurture  
the Seeds of Future Innovation  
Research Period : maximum 3.5 years  
Funding : 30 - 40 million Yen

## ACT-I

Noon on Tue.,  
May 30, 2017

Promoting Individual Research of Young Researchers  
to Create A New Value for Innovation  
Research Period : maximum 1.5 years  
Funding : 3 - 5 million Yen

## CREST

FY	Keyword	Research Area	Supervisor / Deputy Supervisor
2017	Extracellular Fine Particles	Elucidation of biological mechanism of extracellular fine particles and the control system	Yoshinobu Baba
	Thermal Control	Creation of Innovative Core Technologies for Nano-enabled Thermal Management	Yuji Awano
	Revolutional Materials Development	Revolutional material development by fusion of strong experiments with theory / data science	Hideo Hosono
	Symbiotic Interaction	Symbiotic Interaction: Creation and Development of Core Technologies Interfacing Human and Information Environment	Kenji Mase
2016	Opt Bio	Development and Application of Optical Technology for Spatiotemporal Control of Biological Functions	Ryoichiro Kageyama
	Intelligent Measurement Analysis	Development and Application of Intelligent Measurement-Analysis Methods through Coalition between Measurement Technologies and Informatics	Yoshiyuki Amemiya / Genshiro Kitagawa
	Quantum Technology	Creation of an Innovative Quantum Technology Platform Based on the Advanced Control of Quantum States	Yasuhiko Arakawa
	Artificial Intelligence	Development and Integration of Artificial Intelligence Technologies for Innovation Acceleration	Minoru Etoh
2015	Advanced Photonics	Advanced Core Technology for Creation and Practical Utilization of Innovative Properties and Functions Based upon Optics and Photonics	Ken-ichi Kitayama
	Innovative Catalysts	Innovative Catalysts and Creation Technologies for the Utilization of Diverse Natural Carbon Resources	Wataru Ueda
	Robustness in Plants	Creation of Fundamental Technologies Contribute to the Elucidation and Application for the Robustness in Plants against Environmental Changes	Satoshi Tabata

## PRESTO

FY	Keyword	Research Area	Supervisor / Deputy Supervisor
2017	Quantum Bio	Creation of Life Science Basis by Using Quantum Technology	Mitsutoshi Setou
	Fine Particles	Function and control of fine particles in a living body	Akihiko Nakano
	Thermal Control	Thermal Science and Control of Spectral Energy Transport	Katsunori Hanamura
	Humans and Interactions	The Future of Humans and Interactions	Jun Rekimoto
2016	Optical Control	Optical Control of Biological Functions for the Elucidation of Biological Systems	Yoshinori Shichida
	Intelligent Measurement Analysis	Development and Application of Intelligent Measurement-Analysis Methods through Coalition between Measurement Technologies and Informatics	Yoshiyuki Amemiya / Genshiro Kitagawa
	Quantum Functionalization	Quantum State Control and Functionalization	Kohei Itoh
	Social Design	Fundamental Information Technologies toward Innovative Social System Design	Sadao Kurohashi
2015	Frontier	Fully Controlled Photons and Their Proactive Usage for New Era Creation	Ken-ichi Ueda
	Energy Harvesting	Scientific Innovation for Energy Harvesting Technology	Kenji Taniguchi / Hiroyuki Akinaga
	Innovative Catalysts	Science and Creation of Innovative Catalysts	Hiroshi Kitagawa
	Materials Informatics	Advanced Materials Informatics through Comprehensive Integration among Theoretical, Experimental, Computational and Data-Centric Sciences	Shinji Tsuneyuki
	Control of Field-Grown Plants Phenomena	Creation of Next-generation Fundamental Technologies for the Control of Biological Phenomena in Field-Grown Plants	Kiyotaka Okada
	Cultivation with Information Science	Innovational Technical Basis for Cultivation in Cooperation with Information Science	Seishi Ninomiya

## ACT-I

FY	Keyword	Research Area	Supervisor
2016	Information and Future	Information and Future	Masataka Goto