

World Premier International Research Center Initiative (WPI) FY2018 the Second Screening Proposal

List of Principal Investigators

- If the number of principal investigators exceeds 10, add columns as appropriate.
- Place an asterisk(*) by the name of the investigators who are considered to be ranked among the world's top researchers.
- Give age as of 1 April 2018.
- For investigators who cannot participate in the center project from its beginning, indicate the time that their participation will start in the "Notes" column.
- If there are changes from the PI list in the first screening application documents, describe the points changed and reasons in the "Notes" column.
- Include principal investigators affiliated with satellite institutions. Give the name of their satellite institutions in the "Notes" column.
- Fill in the achievements of each PI in the "Biographical Sketch of Principal Investigator."

	Name	Age	Current affiliation (Department/ School/Institution)•Title	Specialization	Effort * (%)	Notes
1	Satoshi Maeda*	38	Department of Chemistry, Faculty of Science, Hokkaido University•Professor	Computational Chemistry	80%	Director
2	Hajime Ito*	50	Division of Applied Chemistry, Faculty of Engineering, Hokkaido University•Professor	Organometallic Chemistry	80%	Vice-director
3	Hiroki Arimura*	52	Division of Computer Science and Information Technology, Graduate School of Information Science and Technology, Hokkaido University•Professor	Computer Science	80%	
4	Jian Ping Gong*	56	Department of Advanced Transdisciplinary Science, Faculty of Advanced Life Science, Hokkaido University•Distinguished Professor	Soft Matter, Polymer Science,	80%	
5	Yasuchika Hasegawa*	49	Division of Applied Chemistry, Faculty of Engineering, Hokkaido University•Professor	Coordination Chemistry, Photochemistry	80%	
6	Yasuhide Inokuma	36	Division of Applied Chemistry, Faculty of Engineering, Hokkaido University•Associate Professor	Structural Organic Chemistry, Coordination Polymers	80%	
7	Tamiki Komatsuzaki*	53	Research Center of Mathematics for Social Creativity•Director/ Research Institute for Electronic Science, Hokkaido University•Professor	Molecular Data Science, Information Theory	80%	
8	Benjamin List*	50	The Max-Planck-Institut für Kohlenforschung•Professor and Director	Organic chemistry, Organocatalysis	20%	
9	Michael Rubinstein*	61	Departments of Mechanical Engineering & Materials Science, Biomedical Engineering, Chemistry and Physics, Duke University•Professor	Theoretical Polymer Science, Soft Matter	20%	
10	Masaya Sawamura*	56	Department of Chemistry, Faculty of Science, Hokkaido University•Distinguished Professor	Organometallic Chemistry, Asymmetric Catalysis	80%	
11	Tetsuya Taketsugu*	53	Department of Chemistry, Faculty of Science, Hokkaido University•Professor	Ab Initio Reaction Dynamics	80%	
12	Ichigaku Takigawa	41	Division of Computer Science and Information Technology, Graduate School of Information Science and Technology, Hokkaido University•Associate Professor	Machine Learning, Data Mining and Bio/Cheminformatics	80%	
13	Shinya Tanaka*	53	Department of Cancer Pathology, Faculty of Medicine, Hokkaido University•Professor	Pathology	80%	
14	Alexandre Varnek*	62	Faculty of Chemistry, University of Strasbourg•Professor	Cheminformatics	20%	

* Percentage of time that the principal investigator will devote to working for the center vis-à-vis his/her total working hours. (Activities carried out using competitive funding can be included as effort as long as they correspond to the purpose of the WPI center and are conducted for the center.)