

# SELECTED GRANTS

## DIVISION OF SYNTHETIC CHEMISTRY

### — Organoelement Chemistry —

Tokitoh, N.  
Creation of Novel Catalysts Centered on the Coordination Diversity of Heavy Typical Elements  
Grant-in-Aid for Scientific Research on Innovative Area “Stimuli-responsive Chemical Species for the Creation of Functional Molecules”  
28 June 2012–31 March 2017

Tokitoh, N.  
Electron-state Control of Aromatic Compounds Containing Heavier Group 14 Elements by Substituent introduction and Element Substitution  
Grant-in-Aid for Scientific Research (B)  
1 April 2013–31 March 2016

Tokitoh, N.  
Synthesis and Properties of Alumoles Having an Aluminum–Halogen Bond  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2014–31 March 2016

Tokitoh, N.  
Synthesis and Properties of Phenyl Anion Analogs Containing Heavier Group 14 Elements  
Grant-in-Aid for Scientific Research (B)  
1 April 2016–31 March 2019

Sasamori, T.  
Construction of [2]Ferrocenophanes Linked by  $\pi$ -Bond between Heavier Group 14 Elements and Control of Their Ring-opening Polymerization  
Grant-in-Aid for Scientific Research on Innovative Area “Emergent Chemistry of Nano-scale Molecular Systems” and “New Polymeric Materials Based on Element-Blocks”  
1 April 2013–31 March 2017

Sasamori, T.  
Development of Transformations of Small Molecules and Multicomponent Couplings Utilizing Low-valent Compounds of Heavier Group 14 Elements  
Grant-in-Aid for Scientific Research (B)  
1 April 2015–31 March 2018

Sasamori, T.  
Construction of d- $\pi$  Electron Systems Containing Heavier Group 14 Elements and Their Functionalization  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2015–31 March 2017

Mizuhata, Y.  
Construction of Silicon-containing Dehydroannulenes and Their Aromaticity and Antiaromaticity  
Grant-in-Aid for Scientific Research (C)  
1 April 2014–31 March 2017

### — Structural Organic Chemistry —

Murata, Y.  
Synthesis of Tailor-made Nanocarbons and Their Application to Electronic Devices  
Grant-in-Aid for Scientific Research (A)  
1 April 2011–31 March 2016

Murata, Y.  
Molecular Interface Science of  $\pi$ -Conjugated Carbon Complexes on Non-Equilibrated States  
PRESTO (Precursory Research for Embryonic Science and Technology), JST  
1 October 2012–31 March 2016

Murata, Y.  
Spherical  $\pi$ -Figuration Based on Functionalization of Sub-Nano Space  
Grant-in-Aid for Scientific Research on Innovative Areas “ $\pi$ -System Figuration”  
1 April 2015–31 March 2017

Murata, Y.  
Functional Molecular Systems Based on Dynamic Behavior of Active Species  
Grant-in-Aid for Scientific Research on Innovative Areas “Stimuli-responsive Chemical Species for the Creation of Functional Molecules”  
1 April 2015–31 March 2017

Murata, Y.  
Creation of New Reactive Chemical Species by the Ultimate Steric Protection  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2015–31 March 2017

Wakamiya, A.  
Development of Organic Dyes Based on Fine Tuning of  $\pi$ -Orbitals using DFT Calculations  
PRESTO (Precursory Research for Embryonic Science and Technology), JST  
1 October 2010–31 March 2016

### Abbreviations and acronyms

JST : Japan Science and Technology Agency  
MEXT : Ministry of Education, Culture, Sports, Science and Technology  
METI : Ministry of Economy, Trade and Industry  
NEDO : New Energy and Industrial Technology Development Organization

Wakamiya, A.  
Creation of Wireless Electric Power Supply  
Center of Innovation Program (COI)  
1 October 2013–31 March 2022

Wakamiya, A.  
High Dimensional Structural Control of  $\pi$ -Conjugated Systems and  
Their Functionalization  
Grant-in-Aid for Scientific Research (B)  
1 April 2014–31 March 2017

Wakamiya, A.  
Development of High Performance and Environmentally Friendly  
Perovskite Type Solar Cells  
Advanced Low Carbon Technology Research and Development  
Program (ALCA)  
16 November 2016–31 March 2021

Murata, M.  
Organization of Nanocarbon Molecules Based on Metal Coordination  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2014–31 March 2016

Murata, M.  
Development of Neutral Thermoelectric Materials Based on  $\pi$ -Ex-  
tended Metal-Bis(dithiolene) Complexes  
PRESTO (Precursory Research for Embryonic Science and  
Technology), JST  
1 October 2016–31 March 2020

Murata, M.  
Exploratory Studies on Materials for Energy Conversion Based on  
Efficient Synthesis of  $\pi$ -Conjugated Multimetallic Complexes  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2016–31 March 2018

Murata, M.  
Development of Functional Materials Based on Efficient Synthesis of  
PAHs Containing Pentagon Rings  
Grant-in-Aid for Scientific Research (B)  
1 April 2016–31 March 2019

Murata, M.  
Exploration of Functions of Cyclopenta-Fused Polycyclic Aromatic  
Hydrocarbons CP-PAHs  
Research Encouragement Grants, The Asahi Glass Foundation  
1 April 2016–31 March 2018

— Synthetic Organic Chemistry —

Kawabata, T.  
Regioselective Molecular Transformation Based on Organocatalytic  
Molecular Recognition  
Grant-in-Aid for Scientific Research on Innovative Area  
1 October 2011–31 March 2015

Kawabata, T.  
Regioselective Molecular Transformation of Multifunctionalized  
Molecules  
Grant-in-Aid for Scientific Research (S)  
1 April 2014–31 March 2018

Furuta, T.  
Direct Intra and Intermolecular Aldol Reaction by Catalytic  
Discrimination of Aldehydes  
Grant-in-Aid for Scientific Research (C)  
1 April 2014–31 March 2017

Ueda, Y.  
Site-Selective Molecular Transformation Promoted by Anion-  
Exchange of Cationic Intermediates in Nucleophilic Catalysis  
Grant-in-Aid for Young Scientists (B)  
1 April 2015–31 March 2017

Ueda, Y.  
Synthesis of Carbohydrate-Related Middle Molecules Based on  
Sequential Site-Selective Functionalization  
Grant-in-Aid for Scientific Research on Innovative Areas  
1 April 2016–31 March 2018

Yoshida, K.  
Total Synthesis of Natural Products by Using Organocatalytic  
Asymmetric Construction of All-carbon Quaternary Stereocenter  
Grant-in-Aid for Young Scientists (B)  
1 April 2016–31 March 2019

— Advanced Inorganic Synthesis —

Teranishi, T.  
Establishment of Deeply Penetrating Photoacoustic Imaging  
Technology Based on Functional Probes: Design and Synthesis of  
Activatable Probes and Development of in vivo Imaging Technology  
Industry-Academia Collaborative R&D Programs, Japan Agency for  
Medical Research and Development  
1 December 2011–31 March 2017

Teranishi, T.  
Synthesis of Magnetic Nanoparticles for Creating Novel  
Nanocomposite Magnetic Materials  
Elements Strategy Initiative, MEXT  
1 July 2012–31 March 2022

Teranishi, T.  
Research on Nanoscale Phase-Controlled Nanocomposite Magnets  
Mirai Kaitaku Research Project, NEDO  
1 October 2012–31 March 2022

Teranishi, T.  
Development of Green Sustainable Chemical Process  
Mirai Kaitaku Research Project, NEDO  
1 November 2012–31 March 2022

Teranishi, T.  
Novel Development of Asymmetry Chemistry in Inorganic  
Nanocrystals  
Grant-in-Aid for Scientific Research on Innovative Areas  
30 June 2016–31 March 2021

Teranishi, T.  
Formation of Novel Metallic Phase Nanoparticles and Development  
of Their Catalytic Properties  
Grant-in-Aid for Scientific Research (B)  
1 April 2016–31 March 2019

Sakamoto, M.  
Investigation on the Gain-of-function Process by the Formation of Nanoparticle Assemblage Using DNA Origami  
SPIRITS (Supporting Program for Interaction-based Initiative Team Studies)  
1 April 2015–31 March 2017

Sato, R.  
Development of The Novel and Versatile Alloying Process via Nanosized Phosphorus Compounds  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2015–31 March 2017

Saruyama, M.  
Orientational Control and Structure-specific Properties of Heterostructural Nanoparticles  
Grant-in-Aid for Research Activity Start-up  
1 October 2015–31 March 2017

#### **DIVISION OF MATERIALS CHEMISTRY**

##### **— Chemistry of Polymer Materials —**

Tsujii, Y.  
Reinforcement of Resiliency of Concentrated Polymer Brushes and Its Tribological Applications-Development of Novel “Soft and Resilient Tribology (SRT)” System  
ACCEL Program, JST  
1 September 2015–31 March 2019

Tsujii, Y.  
Super Lubrication of Novel Nano-Brushes  
Advanced Environmental Materials of Green Network of Excellence (GRENE) program, MEXT  
6 December 2011–31 March 2016

Tsujii, Y.  
Development of High-Performance Li-ion Batteries using High-capacity, Low-cost Oxide Electrodes  
NEDO Project for Development of Novel Technology in Li-ion Batteries  
1 October 2012–27 February 2017

Ohno, K.  
Development of Ionic Liquid-Containing Blend Films  
PRESTO (Precursory Research for Embryonic Science and Technology), JST  
1 October 2013–31 March 2017

Sakakibara, K.  
Construction of Cellulosic Bottlebrushes with Regioselectively Substituted Side Chains  
Grant-in-Aid for Young Scientist (B)  
1 April 2016–31 March 2018

##### **— Polymer Controlled Synthesis —**

Yamago, S.  
New Organic Chemistry and Material Science of Curved  $\pi$ -Conjugated Molecules  
Grant-in-Aid for Scientific Research (S)  
1 April 2016–31 March 2021

Yamago, S.  
Highly Value-added Polymer Material Created by New Living Radical Polymerization Agent  
Next Generation Technology Transfer Program (NexTEP), JST  
1 April 2014–31 March 2020

##### **— Inorganic Photonics Materials —**

Mizuochi, N.  
High Sensitive and High Resolution Quantum Nano-sensor by Diamond  
Grant-in-Aid for Scientific Research (A)  
1 April 2016–31 March 2021

Mizuochi, N.  
Innovative Magnetic Sensor Based on Nano-electronics of Carbon Materials  
Core Research for Evolutional Science and Technology (CREST), JST  
1 April 2014–31 March 2019

Mizuochi, N.  
Research on Diamond Quantum Information Device  
TORAY Science and Technology Research Grant  
1 January 2016–31 March 2018

Morishita, H.  
Electrical Coherent Detection of Electron Spin of NV Centers in Diamond  
Grant-in-Aid for Encouragement of Young Scientists (B)  
1 April 2016–31 March 2018

##### **— Nanospintronics —**

Ono, T.  
Spin-orbitronics and Device Application  
New Research Projects under Specially Promoted Research  
1 April 2015–31 March 2020

#### **DIVISION OF BIOCHEMISTRY**

##### **— Biofunctional Design-Chemistry —**

Futaki, S.  
New Strategies for Intracellular Delivery of Biopharmaceuticals  
Grant-in-Aid for Science Research (A)  
1 April 2015–31 March 2018

Imanishi, M.  
Construction of Strategies for Sequence Specific Epigenomic Manipulation  
Grant-in-Aid for Science Research (B)  
1 April 2016–31 March 2019

##### **— Chemistry of Molecular Biocatalysts —**

Watanabe, B.  
Synthesis of  $\gamma$ -Glutamyl Transpeptidase-Specific Chemical Probes and Their Application to Cancer Immunotherapy  
Grant-in-Aid for Young Scientists (B)  
1 April 2015–31 March 2017

— **Molecular Biology** —

Aoyama, T.  
Plant Epidermal Cell Differentiation Regulated by the Transcription Factor GL2  
Grant-in-Aid for Scientific Research (B)  
1 April 2016–31 March 2020

Aoyama, T.  
Mechanism for Establishment of Planar Polarity in Plant Cell Morphogenesis  
Grant-in-Aid for Scientific Research (C), Special Field  
1 April 2016–31 March 2019

— **Chemical Biology** —

Uesugi, M.  
Control and Analysis of Cells by Synthetic Small Molecules  
Grant-in-Aid for Scientific Research (S)  
30 May 2014–31 March 2019

Uesugi, M.  
Chemical Biological Exploration of New Functions of Endogenous Lipid-related Molecules  
AMED-CREST  
1 October 2014–31 March 2020

**DIVISION OF ENVIRONMENTAL CHEMISTRY**

— **Molecular Materials Chemistry** —

Kaji, H.  
Structure and Function of Organic Thin-Film Solar Cells: Specially-Shaped Polymers and Hierarchical Structure Analysis  
Grant-in-Aid for Scientific Research (A)  
1 April 2013–31 March 2016

Kaji, H.  
Adachi Molecular Exciton Engineering Project  
ERATO (Exploratory Research for Advanced Technology), JST  
1 April 2014–31 March 2018

Fukushima, T.  
Solid-State NMR Analysis of Bulk Heterostructures toward High-efficiency Organic Solar Cells  
Grant-in-Aid for Young Scientists (B)  
1 April 2014–31 March 2016

Fukushima, T.  
Study on Weather Resistance of Solution-Processable Organic Solar Cells  
Suga Weathering Technology Foundation  
1 April 2015–31 March 2016

Shizu, K.  
A Method of Visualizing Radiative and Non-Radiative Decays and Its Applications to Design for Deep-Blue Organic Emitters  
Grant-in-Aid for Young Scientists (B)  
1 April 2015–31 March 2017

Kaji, H.  
Analysis of Organic Photovoltaics Materials by Solid-State Dynamic Nuclear Polarization  
SPIRITS (Supporting Program for Interaction-based Initiative Team Studies)  
1 April 2015–31 March 2017

Fukushima, T.  
A Fundamental Study on Weather Resistance of Solution-Processed Organic Solar Cells by Solid-State NMR  
Grant-in-Aid for Scientific Research (C)  
1 April 2016–31 March 2018

— **Hydrospheric Environment Analytical Chemistry** —

Sohrin, Y.  
Development of Novel Proxies for Paleoceanography on the Precise Analysis of Stable Isotope Ratios of Heavy Metals  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2014–31 March 2017

Sohrin, Y.  
Development of Heavy Metal Stable Isotope Marine Chemistry to Understand Marine Environment and Ecosystems  
Grant-in-Aid for Scientific Research (A)  
1 April 2015–31 March 2018

— **Solution and Interface Chemistry** —

Hasegawa, T.  
Development of ROA Imaging and its Application to Visualization of Atropisomers for a Study of Fluoroorganic Chemistry  
Grant-in-Aid for Scientific Research (A)  
1 April 2015–31 March 2020

Hasegawa, T.  
Development of Novel Analytical Techniques for Revealing Molecular Orientation of Adsorbed Molecules on a Rough Surface or on Nano Particles  
Grant-in-Aid for challenging Exploratory Research  
1 April 2014–31 March 2016

Hasegawa, T.  
Development of a Novel Analytical Spectroscopy for Strategic Molecular Design of a Fluorine-containing Acryl Polymer Enabling Us to Overcome Environmental Regulations  
Matching Planner Program: Cooperation Research with a Company  
1 June 2016–31 March 2017

Shimoaka, T.  
Development of Analytical Techniques for Studying the Structure and Property of a Polymer Influenced by Minute Water Molecules Involved in a Polymer Thin Film  
Grant-in-Aid for Young Scientists (B)  
1 April 2014–31 March 2017

— **Molecular Microbial Science** —

Kurihara, T.  
Mechanism of Biogenesis of Membrane Microdomain Containing Polyunsaturated Fatty Acids in Bacteria and Its Physiological Functions  
Grant-in-Aid for Scientific Research (B)  
1 April 2015–31 March 2018

Kurihara, T.  
Analysis of Cold-Adaptation Mechanism of Food Spoilage Bacteria and Its Application to Food Industry  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2015–31 March 2017

Kawamoto, J.  
Development of a Membrane Protein Production System by Using Tailor-made Membrane Vesicles Synthesized by Extremophiles  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2016–31 March 2018

Ogawa, T.  
Research on Acyltransferases that Create Heterogeneity of Bacterial Biomembranes  
Grant-in-Aid for Research Activity Start-up  
23 August 2015–31 March 2017

**DIVISION OF MULTIDISCIPLINARY CHEMISTRY**  
— Polymer Materials Science —

Takenaka, M.  
Photon and Quantum Basic Research Coordinated Development Program, JST  
1 September 2013–31 March 2018

Takenaka, M.  
Nano-Control Technologies for DSA Nano-Patterning  
Nano Defect Management Project  
1 July 2016–31 March 2018

Ogawa, H.  
Development of Visualizing Method Through Cooperative Small Angle X-ray Scattering Coupled with Computed Tomography (SAXS-CT) and Information Science  
Strategic Basic Research Programs, PRESTO (Precursory Research for Embryonic Science and Technology), JST  
1 September 2016–31 March 2020

— Molecular Rheology —

Watanabe, H.  
Relationship Between Chemical Structure and Extensional Behavior of Entangled Polymer Chain  
Grant-in-Aid for Scientific Research (B)  
1 April 2015–31 March 2018

Matsumiya, Y.  
Experimental Test on the Dynamics of Telechelic Polymers  
Grant-in-Aid for Scientific Research (C)  
1 April 2015–31 March 2018

**ADVANCED RESEARCH CENTER FOR BEAM SCIENCE**  
— Particle Beam Science —

Iwashita, Y.  
Quantum Improvement of the Superconducting Acceleration Cavity Performance by the Laminated Film Structure  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2014–31 March 2016

Iwashita, Y.  
Fundamental Technology Development for High Brightness X-ray Source and the Imaging by Compact Accelerator  
Photon and Quantum Basic Research Coordinated Development Program  
1 April 2013–31 March 2017

— Laser Matter Interaction Science —

Sakabe, S.  
Proof of Concept for Electron Optics Using Intense Laser-driven Surface Wave  
Grant-in-Aid for Scientific Research (A)  
1 April 2016–31 March 2019

Hashida, M.  
Stable Formation of Advanced Functionality on Metal Surface Produced by High Electric Field of Laser Pulse  
Grant-in-Aid for Scientific Research (C)  
1 April 2016–31 March 2019

Hashida, M.  
Advanced Research Program for Energy and Environmental Technologies/Manufacturing Technologies Development of High Quality Laser Material Processing for Inducing New Functionalities  
New Energy and Industrial Technology Development Organization  
4 January 2016–4 January 2017

Inoue, S.  
Demonstration of Laser-driven Ultrafast and Intense Electron Source with Solid-plasma Hybrid Cathode  
Grant-in-Aid for Encouragement of Young Scientists (B)  
1 April 2016–31 March 2018

— Electron Microscopy and Crystal Chemistry —

Kurata, H.  
Advanced Characterization Nanotechnology Platform at Kyoto University  
Nanotechnology Platform Project, MEXT  
2 July 2012–31 March 2022

Kurata, H.  
State Analysis of Organic Nanomaterials by High-Resolution EELS  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2016–31 March 2018

Haruta, M.  
Electronic State Mapping Using Oxygen  
Grant-in-Aid for Young Scientist (A)  
1 April 2014–31 March 2018

Haruta, M.  
Basic Research of Atomic Resolution Organic Crystal Image Using STEM  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2014–31 March 2017

**INTERNATIONAL RESEARCH CENTER FOR ELEMENTS SCIENCE**

—Synthetic Organotransformation—

Nakamura, M.  
Synthesis of Nitrogen-Containing Polycyclic Aromatic Compounds via Iron-catalyzed C-H Amination  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2015–31 March 2016

Takaya, H.  
Solution-Phase Characterization of Paramagnetic Metal Complex by X-ray Absorption Spectroscopy  
Grant-in-Aid for Challenging Exploratory Research  
1 April 2015–31 March 2017

Isozaki, K.

Development of Catalytic Multi-photon-excited Photoreactions in the Reaction Field Localizing Substrates and Excitation Sources  
Grant-in-Aid for Scientific Research on Innovative Areas  
“Application of Cooperative Excitation into Innovative Molecular Systems with High-Order Photofunctions”  
1 April 2015–31 March 2017

Iwamoto, T.

Development of Aromatic C-H Functionalization Base on Cation- $\pi$  Interaction  
Grant-in-Aid for Young Scientists (B)  
1 April 2015–31 March 2017

— **Advanced Solid State Chemistry** —

Shimakawa, Y.

Solid-state Chemistry for Transition-metal Oxides: Exploring for New Materials with Novel Functionalities  
JSPS Core-to-Core Program  
1 April 2016–31 March 2020

— **Organometallic Chemistry** —

Ozawa, F.

Synthesis and Catalytic Properties of Stimulus-responsive Transition Metal Complexes Bearing Low-coordinate Phosphorus Ligands  
Grant-in-Aid for Scientific Research on Innovative Areas “Stimuli-responsive Chemical Species for the Creation of Functional Molecules”  
1 April 2012–31 March 2017

Ozawa, F.

Synthesis and Catalytic Applications of Non-innocent Phosphaalkene Ligands  
Grant-in-Aid for Scientific Research (B)  
1 April 2014–31 March 2017

Wakioka, M.

Development of Highly Efficient Catalytic Systems for Direct Arylation Polymerization based on Equilibrium between Active and Dormant Species  
Grant-in-Aid for Young Scientists (B)  
1 April 2015–31 March 2017

Ozawa, F.

Development of Highly Efficient Catalysts for Synthesizing of  $\pi$ -Conjugated Polymers via Direct Arylation  
ACT-C, JST  
1 October 2012–31 March 2018

— **Nanophotonics** —

Kanemitsu, Y.

Evaluation of Nonradiative Carrier Recombination Loss in Concentrator Heterostructure Solar Cells  
CREST(Core Research for Evolutional Science and Technology), JST  
1 October 2011–31 March 2017

**BIOINFORMATICS CENTER**

— **Chemical Life Science** —

Ogata, H.

Neo-virology, the Raison D'être of Viruses – Deciphering the Mechanisms of Virus-host Co-existence in Aquatic Environments  
Grant-in-Aid for Scientific Research on Innovative Areas  
30 June 2016–31 March 2021

Ogata, H.

Probabilistic and Statistical Theory on Non-Abelian Topological Semigroup A\* and Its Application to Environmental Microbiology and Bioengineering  
Grant-in-Aid for Scientific Research (B)  
19 July 2016–31 March 2019

Ogata, H.

A Holistic Ecosystemic Investigation on Marine Giruses, Virophages and Their Eukaryotic Hosts  
Grant-in-Aid for Scientific Research (C)  
1 April 2014–31 March 2017

Ogata, H.

Are Viruses Elementary Particles that Generate and Maintain the Diversity of Marine Organisms?  
Pursuit of Ideal, CANON Foundation  
1 April 2014–31 March 2017

Goto, S.

Development of Integrated Proteome Database jPOST  
Database Integration Coordination Program, JST  
1 April 2015–31 March 2018

Goto, S.

Bioinformatics for Marine Microbial Genomes and Environmental Data  
CREST (Core Research for Evolutional Science and Technology), JST  
1 October 2012–31 March 2017

Goto, S.

Elucidation on Evolutionary Mechanisms of Antigenic Variation Gene Families  
Grant-in-Aid for Scientific Research (B)  
1 April 2014–31 March 2018

— **Bio-knowledge Engineering** —

Mamitsuka, H.

Reinforcement of Resiliency of Concentrated Polymer Brushes and Its Tribological Applications  
Strategic Basic Research Program, ACCEL, JST  
1 September 2015–31 March 2020

Mamitsuka, H.

Efficiently Inferring Factors Embedded in Multiple Data Matrices  
Grant-in-Aid for Scientific Research (B)  
1 April 2016–31 March 2019

Yotsukura, S.

Feasibility Study of Allergen Genes Identification and Prediction of the Gene Expression Level Associated with Cultivation Conditions  
Specific Project Investigation, JST  
1 October 2016–31 March 2017

Yamada, M.  
Nonlinear Feature Selection for Ultra-High Dimensional Data  
Grant-in-Aid for Young Scientists (B)  
1 April 2016–31 March 2018

Yamada, M.  
Nonlinear Feature Selection for Science Discovery  
PRESTO (Precursory Research for Embryonic Science and  
Technology), JST  
1 December 2016–31 March 2020