### 2015-2016 JSPS Postdoctoral Fellowships

<table>
<thead>
<tr>
<th>Researcher</th>
<th>Title of research project</th>
<th>Host researcher</th>
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</thead>
<tbody>
<tr>
<td>Dr Mamoun Alazab, The Australian National University</td>
<td>The internet and new criminal activity: spam as cybercrime.</td>
<td>Professor Hitoshi Ushijima Chiba University</td>
</tr>
<tr>
<td>Dr David Butler, The University of Queensland</td>
<td>Investigating the development and evolution of prejudice using children and primates.</td>
<td>Professor Masako Myowa-Yamakoshi University of Kyoto</td>
</tr>
<tr>
<td>Mr Guanyu Deng, University of Newcastle</td>
<td>Investigation of ultra-thin nanostructured foils fabricated by accumulative roll bonding and asymmetrical rolling.</td>
<td>Professor Nobuhiro Tsuji University of Kyoto</td>
</tr>
<tr>
<td>Ms Belinda Goldie, University of Newcastle</td>
<td>A novel method for investigating the role of gene regulation in memory formation in living neurons.</td>
<td>Professor Ryoichiro Kageyama University of Kyoto</td>
</tr>
<tr>
<td>Dr Quintin Lau, The Graduate University for Advanced Studies</td>
<td>Evolution of a frog immune system – adaptation to environmental changes from tadpole to adult frog.</td>
<td>Professor Yoko Satta The Graduate University for Advanced Studies</td>
</tr>
<tr>
<td>Mr Mao Liu, University of Wollongong</td>
<td>Development of multilayer steels for improving combinations of high strength and high ductility.</td>
<td>Professor Toshihoko Koseki The University of Tokyo</td>
</tr>
<tr>
<td>Miss Edin Mifsud, University of Melbourne</td>
<td>Developing a novel influenza vaccine which generates both antibody and cell mediated immunity.</td>
<td>Professor Hiroshi Kida Hokkaido University</td>
</tr>
<tr>
<td>Dr Sridhar Ravi, RMIT University</td>
<td>Flight through complex special and wind environments: What can we learn from the birds and the bees?</td>
<td>Professor Hao Liu Chiba University</td>
</tr>
<tr>
<td>Dr Jason Shaw, University of Western Sydney</td>
<td>Temporal organisation and the distribution of information in Japanese speech.</td>
<td>Assistant Professor Shigeto Kawahara Keio University</td>
</tr>
<tr>
<td>Dr Elizabeth Sheedy</td>
<td>Population genetics of symbiotic fungi introduced to the Ogasawara Islands less than 120 years ago.</td>
<td>Dr Kentaro Hosaka National Museum of Nature and Science</td>
</tr>
<tr>
<td>Dr Fargol Taba, The University of Sydney</td>
<td>Synthesis of porphyrins that complex to proteins which alter protein-protein interactions and hence cell signals.</td>
<td>Professor Takashi Hayashi Osaka University</td>
</tr>
</tbody>
</table>
### Researcher | Title of research project | Host researcher
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Dr Wei Zhang  
University of South Australia | Developing carbon electrochemical sensors as early alert screening tools for water quality assessment. | Professor Dr Hiroaki Furumai  
The University of Tokyo

| Dr Jamie Coates  
University of Sheffield | Migration, mediation and politics: understanding China-Japan relations through migrant material practice. | Associate Professor Gracia Liu-Farrer  
Waseda University

| Dr Mei Han  
University of Wollongong | Effects of antipsychotics on the dopamine/BDNF signalling complex after administration of phencyclidine. | Professor Kenji Hashimoto  
Chiba University

| Dr Alireza Jafari  
Griffith University | Disaster prevention by evaluating and predicting the beach profile changes under extreme events. | Professor Shinji Sato  
The University of Tokyo

| Mr Mohsen Jafari Songhori  
The University of Melbourne | Patterned interactions in complex organisations and decision making process. | Professor Takao Terano  
Tokyo Institute of Technology

| Dr Swee Kuik  
University of South Australia | An environmentally sustainable product design and manufacturing assessment framework for interdisciplinary product development. | Professor Toshiya Kaihara  
Kobe University

| Dr Amy Liu  
University of Ballarat | Study of nano micelle from catonic chitosan and anionic diblock copolymers for cancer/gene therapy. | Professor Shin-ichi Yusa  
University of Hyogo

| Mr Nikhil Patel  
The University of Sydney | Exploring matter/antimatter asymmetry with neutrinos at the T2K experiment. | Professor Tsuyoshi Nakaya  
University of Kyoto

| Dr Jacqui Pocklington  
The University of Melbourne | Investigating the ability of large brown algal communities to recover from disturbance. | Dr Masakazu Aoki  
University of Tsukuba

| Dr James Quach  
The University of Melbourne | Quantum metamaterials. | Professor Masaki Oshikawa  
The University of Tokyo

| Dr Angel Tan  
University of South Australia | Biomimetic microvascular chip for therapeutic investigation of anti-atherosclerotic agents. | Dr Yukiko Matsunaga  
The University of Tokyo

**2014-2015 JSPS Postdoctoral Fellowships**
Mr Ian Watson  
The University of Sydney  

Measurement of the CKM angle $\phi_3$ with the Belle II detector at SuperKEKB.

Professor Hiroaki Aihara  
The University of Tokyo

Dr Withawat Withayachumnankul  
The University of Adelaide  

Dynamic leaky-wave antennas for ultrafast terahertz communications.

Professor Masahiro Asada  
Tokyo Institute of Technology

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**2013-2014**  
**JSPS Postdoctoral Fellowships**

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<thead>
<tr>
<th>Researcher</th>
<th>Title of research project</th>
<th>Host researcher</th>
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</thead>
</table>
| Dr Mohammad Al Assadi  
University of New South Wales | Theoretical investigations on maximising thermoelectric performance of cobaltites with site specific dopants for waste heat recovery. | Professor Hiroshi Katayama-Yoshida  
Osaka University |
| Dr Linda Banbury  
Southern Cross University | Identifying novel bioactive natural products that regulate inflammation-associated tumour progression. | Associate Professor Yoshihiro Hayakama  
University of Toyama |
| Dr Ali Boyali  
(independent researcher) | Design a context aware robotic wheelchair for elderly and disabled people. | Dr Naohisa Hashimoto  
National Institute of Advanced Industrial Science and Technology (AIST) |
| Dr Jonathan Faber  
The University of Queensland | Chemical Libraries of Calyculin A – Towards selective phosphatase inhibitors. | Professor Ikuro Abe  
The University of Tokyo |
| Dr Alexander Fraser  
University of Tasmania | Intensive Antarctic coastal polynya study: dense water formation and links with landfast sea ice. | Professor Keiichiro Oshima  
Hokkaido University |
| Dr Jodie Goodridge  
Fred Hutchinson Cancer Research Centre | Interaction between “Free” MHC Class 1 and protein fragments for optimal design of long peptide vaccines. | Dr Katsumi Maenaka  
Hokkaido University |
| Dr Shane Kelly  
University Duisberg-Essen | Cohomological Hasse principle in the Morel-Voevodsky stable homotopy category. | Professor Shuji Saito  
Tokyo Institute of Technology |
<table>
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<tr>
<th>Name</th>
<th>Institution</th>
<th>Research Area</th>
<th>Supervisor</th>
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<tbody>
<tr>
<td>Dr Cindy Kok</td>
<td>The University of Sydney</td>
<td>To study the role of liver progenitor cells in proliferation and tumorigenesis.</td>
<td>Professor Atsushi Miyajima The University of Tokyo</td>
</tr>
<tr>
<td>Dr William Ling</td>
<td>Monash University</td>
<td>Development of an Efficient Liquid Pulsed Plasma Thruster.</td>
<td>Associate Professor Hiroyuki Koizumi The University of Tokyo</td>
</tr>
<tr>
<td>Dr Nathan Lugg</td>
<td>The University of Melbourne</td>
<td>Quantitative elemental mapping using scanning transmission electron microscopy.</td>
<td>Professor Dr Yuichi Ikuhara The University of Tokyo</td>
</tr>
<tr>
<td>Dr Taryn March</td>
<td>Flinders University</td>
<td>Enantioselective organocatalysis for the synthesis of natural products and other bioactive compounds.</td>
<td>Professor Yoshiji Takemoto University of Kyoto</td>
</tr>
<tr>
<td>Dr Yanyan Mulyana</td>
<td>Monash University</td>
<td>Investigation of electron transfer properties in dye-catalyst supramolecular assemblies: a key understanding to molecular devices for artificial photosynthesis.</td>
<td>Professor Kazuyuki Ishii The University of Tokyo</td>
</tr>
<tr>
<td>Dr Nicholas Payne</td>
<td>University of New South Wales</td>
<td>Global expansion of hypoxia and the eco-physiology of fish.</td>
<td>Associate Professor Akinori Takahashi National Institute of Polar Research</td>
</tr>
<tr>
<td>Dr Muhammad Saqib</td>
<td>Murdoch University</td>
<td>Analysis of functional network of transcription factors that are involved in virus attack.</td>
<td>Professor Masaru Ohme-Takagi National Institute of Advanced Industrial Science and Technology (AIST)</td>
</tr>
<tr>
<td>Dr Timothy Young</td>
<td>The University of Sydney</td>
<td>Post-mitotic cortical neuron maturation is controlled by TCAs for neuronal circuit formation.</td>
<td>Dr Tomomo Shimogori RIKEN</td>
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</tbody>
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