



# International Symposium at Frontier Research Base for Global Young Researchers

## Program

Date: November 14, 2013

Place: Convention Center 1F  
Suita Campus, Osaka University  
Suita, Osaka, Japan

- 10:00 Opening Remarks, Tomoyuki Kakeshita, Dean  
Susumu Kuwabata, Director
- 10:15 Macromolecule-based systems in gas biology, Urara Hasegawa
- 11:00 Tissue formation by label-free magnetic cell manipulation toward  
biohybrid microdevices, Yoshitake Akiyama
- 11:45 Break
- 13:15 Organometallic vapor phase epitaxial growth of Eu-doped GaN  
and its optical and electrical properties, Atsushi Koizumi
- 14:00 Combustion Research on Elemental Technologies for  
Biomass Gasification, Noriaki Nakatsuka
- 14:45 Break
- 15:00 The biological significance of chromatin condensation with  
irregular folding of nucleosome fiber, Hideaki Takata
- 15:45 Short Presentations (3 minutes each)
- |                      |                        |
|----------------------|------------------------|
| • Hisanao Hazama     | • Tatsuya Sugihara     |
| • Satoru Yoshida     | • Heun Tae Lee         |
| • Guanghua He        | • Yasuhiko Kato        |
| • Akinori Saeki      | • Yu Sasano            |
| • Sachiko Yoshihashi | • Kimiaki Washino      |
| • Hiromi Habara      | • Yoichi Hoshimoto     |
| • Youhei Takeda      | • Ery Odette Fukushima |
- 16:45 Poster Session (details on the back)
- 17:30 Closing Remark, Susumu Kuwabata, Director
- 18:00 Banquet

## 16:45 Poster Session

- “Novel diagnosis and therapy enabled by cutting-edge laser technologies”  
[Hisanao Hazama](#)
- “Development of remote sensing technique for severe weathers and tsunami”  
[Satoru Yoshida](#)
- “3D Time-Domain Seakeeping Analysis Tool and Its Applications”  
[Guanghua He](#)
- “Molecular Engineering of Organic Photovoltaics Inspired by Device-less Evaluation”  
[Akinori Saeki](#)
- “Expanding of beam technology to the field of material processing and neutron science”  
[Sachiko Yoshihashi](#)
- “Thermal characteristics and heating/cooling energy conservation measures of a well-insulated house in a mild climate region”  
[Hiromi Habara](#)
- “Selective Synthesis of Angular-type Aza-PAHs through Unprecedented Rearrangement of Binaphthalene Diamines”  
[Youhei Takeda](#)
- “Macromolecule-based systems in gas biology”  
[Urara Hasegawa](#)
- “Tissue formation by label-free magnetic cell manipulation toward biohybrid microdevices”  
[Yoshitake Akiyama](#)
- “Organometallic vapor phase epitaxial growth of Eu-doped GaN and its optical and electrical properties”  
[Atsushi Koizumi](#)
- “Combustion Research on Elemental Technologies for Biomass Gasification”  
[Noriaki Nakatsuka](#)
- “The biological significance of chromatin condensation with irregular folding of nucleosome fiber”  
[Hideaki Takata](#)
- “High speed machining of Inconel 718 focusing on surface topography of cutting tool”  
[Tatsuya Sugihara](#)
- “Dynamic processes in Tungsten: a fusion reactor material”  
[Heun Tae Lee](#)
- “Anthropogenic disruption of an environmental sex determining pathway in the water flea *Daphnia magna*”  
[Yasuhiko Kato](#)
- “Genome engineering in budding yeast by a novel genome editing technology”  
[Yu Sasano](#)
- “Multi-scale simulation of wet granulation”  
[Kimiaki Washino](#)
- “Benzoxasilole Synthesis by Novel Designed Nickel Catalyst System”  
[Yoichi Hoshimoto](#)
- “Biotechnology for the production of plant secondary metabolites”  
[Ery Odette Fukushima](#)