



Dynamic Diversity - Global Excellence in Action

**Bio-Nano Electronics Research Centre  
Toyo University**

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URL: <http://bionano.toyo.ac.jp/COEtop.htm>

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## Schedule

Chair: Toru Maekawa

Director, Bio-Nano Electronics Research Centre, Toyo University, Japan

### 26<sup>th</sup> November

12:00 Posters

13:30 Opening Address

Toru Maekawa

Director, Bio-Nano Electronics Research Centre, Toyo University, Japan

13:40 Achievements in research and educational programmes organised by the Bio-Nano Electronics Research Centre

Toru Maekawa

Toyo University, Japan

14:00 Nano soft matter science and nano robotics

Toru Maekawa

Toyo University, Japan

14:25 Application of organic solvent-tolerant bacteria and enzymes

Noriyuki Doukyu

Toyo University, Japan

14:50 Break & Posters

15:20 Fate of protein coronated carbon nanohorns *in vivo*

Srivani Veerananarayanan

Toyo University, Japan

15:40 Multi-functionalized and high-sensitive electrophoretic Coulter method to detect and analyse targeted biological cells

Yoshikata Nakajima

Toyo University, Japan

16:00 Advances in carbon nanotube technology and an educational outreach initiative for collaborative funding

Steve Acquah

Florida State University, USA

16:30 Break & Posters

16:40 Discussion on international collaborative research and educational programmes



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## **27<sup>th</sup> November**

- 09:00 Posters
- 10:00 Opening Ceremony with The Indian Ambassador to Japan etc.
- 10:40 Biomedical optical imaging and microscopy: Clinical applications  
Renu John  
Indian Institute of Technology Hyderabad, India
- 11:10 Medical device related infections and bacterial biofilms  
Maya Nandkumar  
Sree Chitra Tirunal Institute for Medical Sciences and Technology, India
- 11:40 Whisker based object localization by rodents : a biomechanical approach  
Elie Wandersman  
Université Pierre et Marie Curie, France
- 12:10 Lunch & Posters
- 13:40 High sensitive measurement tools for magnetic nanostructures and its relevance in biology  
Pintu Das  
Indian Institute of Technology Delhi, India
- 14:10 Tunable morphology and porosity in one dimensional nanostructures  
Adrien Chauvin  
Université de Nantes, France
- 14:30 Environmental studies near a nuclear island at Kalpakkam – A review  
Satpathy K.K.  
Indira Gandhi Centre for Atomic Research, India
- 15:00 Break & Posters
- 15:30 Magnetic fluids electrostatically stabilized in water and in DMSO: Structure and dynamics  
Régine Perzynski  
Université Pierre et Marie Curie, France
- 16:00 Tailored synthesis of ultra-small iron-oxide nanoparticles by oleylamine reduction of an iron salt  
Dominique Piché  
University of Oxford, UK
- 16:20 Toxicology of Scaffolds intended for Tissue Engineered Medical Products  
Mohan P.V.  
Sree Chitra Tirunal Institute for Medical Sciences and Technology, India
- 16:50 Break & Posters
- 17:20 Behavior of a magnetic drop in processing and rotating fields  
Guntars Kintenbergs  
Université Pierre et Marie Curie, France
- 17:40 Past, present, and future of nanomaterials  
Nicole Grobert  
University of Oxford, UK
- 18:10 Posters
- 18:30 Get-together (Buffet)



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## **28<sup>th</sup> November**

09:00 Posters

10:00 Latest advances in multi - modal diagnostic imaging – Biomedical optics with nano-bio perspective

Murukeshan Matham

Nanyang Technological University, Singapore

10:30 Routes towards Magnetic Carbon Buckypaper and their application

Karwei So

University of Oxford, UK

10:50 Inside and outside carbon balls: Playing with fullerenes

Jérémy Rio

Université de Nantes, France

11:10 Hybrid carbon nanoclusters: Gas-phase synthesis of endohedral mono-metallofullerenes

Paul Dunk

Florida State University, USA

11:40 Closing remarks, discussions and suggestions

International collaborative research and educational programmes

12:00 Lunch & Posters