



# IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

<b>Session Title</b>	<b>Functional Nanomaterials for Biomedical Applications</b>	<b>Session Code</b>	<b>Mo-D3</b>
<b>Date and Time</b>	<b>2018-08-20 / 16:00 - 18:00</b>		
<b>Place</b>	<b>Room D</b>		
<b>Session Chair</b>	<b>TBA</b>		

**Mo-D3-1**

**16:00 - 16:15**

### **DNA-Guided Plasmonic Nanogap Engineering for Optical Analysis of Biomaterials**

Jeong-Wook Oh and Jwa-Min Nam  
Seoul Nat'l Univ., Korea

**Mo-D3-2**

**16:15 - 16:30**

### **Functional Nanocomposites Scaffold for Tissue Regeneration Applications**

Chang Du  
South China Univ. of Tech., China

**Mo-D3-3**

**16:30 - 16:45**

### **Preparation of Drug-Doped Nanopump Pressed by Temperature Control**

Seong Yeol Kim  
Lucky Industry Co., Ltd., Korea

**Mo-D3-4**

**16:45 - 17:00**

### **Advanced Dental Cleaning Technique by Nanobubbles Generated from Piezoelectric Materials**

Panpan Li, Chungik Oh, Melodie Chen-Glasser, and Seungbum Hong  
KAIST, Korea

**Mo-D3-5**

**17:00 - 17:15**

### **Design and Development of Bioactive $\alpha$ -Hydroxy Carboxylate Group Modified $MnFe_2O_4$ Nanoparticle: Comparative Fluorescence, Magnetism and DNA Interaction Study**

Indranil Chakraborty<sup>1</sup>, Urmila Saha<sup>2</sup>, Rupali Rakshit<sup>1</sup>, Souvanik Talukdar<sup>1</sup>, Gopinatha Suresh Kumar<sup>2</sup>, and Kalyan Mandal<sup>1</sup>

<sup>1</sup>S. N. Bose Nat'l Centre for Basic Sci., India, <sup>2</sup>Indian Inst. of Chemical Biology, India

**Mo-D3-6**

**17:15 - 17:30**

### **Synthesis and Characterization of Boron-Containing Thermoresponsive Polymer Nanomicelle**

Shuichiro Yoneoka and Takehiko Tsukahara  
Inst. of Innovative Research, Japan

**Mo-D3-7**

**17:30 - 17:45**

### **Interface-Mediated Self-Assembly of Nanoparticles and Block Copolymers**

Seulki Kang and So-Jung Park  
Ewha Womans Univ., Korea