

10th KIFEE Symposium
 Tromsø/Trondheim October 5-8, 2018
 Session Program for Advanced Biological Materials



Saturday 6 October 2018 09:00~15:00		
Chair: Kazunari Akiyoshi, Kyoto University		
09:00-09:30	OP1	Makoto Takemasa, Tokyo Denki Univ- Sataima, Japan “Food 3D printing based on polysaccharide engineering”
09:30-10:00	OP2	Masayuki Hara Osaka Prefect. Univ. Sakai, Japan. “Scaffold of wool hair keratin for cell culture”
10:00-10:20	OP3	Daria Zaytseva-Zotova, NTNU, Trondheim, Norway “Alginate-based biomimetic matrices for 3D cell culture and high throughput screening”
10:20-10:40		Coffee break
Chair: Berit Løkensgård Strand, NTNU		
10:40-11:10	OP4	Masahiro Yasuda, Osaka Prefect University, Sakai, Japan “Development of high-density three-dimensional cell culture system using polymer particle having grafted polymer chain”
11:10-11:40	OP5	Rita S. Dias, NTNU, Trondheim, Norway “Coarse-grained Monte Carlo simulation of pH sensitive systems: polyelectrolyte – nanoparticle interactions”
11:40-12:10	OP6	Tamotsu Zako, Ehime University, Ehime, Japan “Detection of biomolecules with functionalized nanoparticles”
12:30-13:30		Lunch

Saturday 6 October 2018 09:00~15:00 - continued		
Chair: Tamotsu Zako, Ehime University		
13:30-14:00	OP7	Mikael Lindgren, NTNU, Trondheim, Norway “Recent development of X-34 and oligothiophene based fluorescent ligands for characterization of amyloid aggregates”
14:00-14:30	OP8	Yoshiaki Yuguchi Osaka Electro-Communication Univ, Osaka, Japan “Gelation of alginate as observed by small angle X-ray scattering”
14:30-15:00	OP9	Bjørn Torger Stokke, NTNU, Trondheim, Norway “Soft materials meet QPI”
15:00-15:45		Break with on deck activity

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Sunday 7 October 2018; 10:00~16:45		
Chair: Mikael Lindgren, NTNU		
10:00-10:30	OP10	Kazunari Akiyoshi, Kyoto University, Kyoto, Japan “Carbohydrate-conjugated polymer vesicles for biomedical applications: Enzyme nanoreactor for therapeutic nanofactory”
10:30-10:50	OP11	Ingrid_Vikøren Mo, NTNU, Trondheim, Norway “Preparation of oxyamine and hydrazide activated chitosan oligosaccharides as precursors for polysaccharide block copolymers”
10:50-11:10		Coffee break”
Chair: Masayuki Hara, Osaka Prefect. Univ		
11:10-11:40	OP12	Shinichi Kitamura, Osaka Prefect. University, Sakai, Japan “Synthetic Linear and Cyclic Amyloses: Beyond Natural”
11:40-12:00	OP13	Margrethe Gaardløs, NTNU, Trondheim, Norway “Using alginate epimerases as a basis to understand polymer and protein design”
12:00-12:30	OP14	Sanae Kitamura, IPE International Polysaccharide Engineering Inc. Sakai, Japan “Mission and vision of International Polysaccharide Engineering Inc.”
12:30-13:30		Lunch

Chair: Rita S Dias, NTNU		
13:30-13:50	OP15	Amalie Solberg, NTNU, Trondheim, Norway “Alginate-based block polysaccharides”
13:50-14:20	OP16	Toshio Suzuki, Fujico Co., Ltd. Kobe, Hyogo, Japan “Influence of superheated steam processing on polyphenol levels and antioxidant activity of peach fruits”
14:20-14:50	OP17	Berit Løkensgard Strand NTNU, Trondheim, Norway “Alginate microcapsules for immune protection in cell therapy”
15:00-15:15		Break
15:15-15:45	OP18	Makoto Nakaya, Osaka Prefecture University Soai Univ and International Polysaccharide Engineering Inc., Osaka, Japan “Quantitative analysis of isothiocyanates and dibenzylureas in watercress”
Discussion leaders: Bjørn T Stokke and Shinichi Kitamura		
15:45-16:45		ABM after KIFEE 1- 10 – The basis for the future of ABM Open brainstorming / discussion session on how to develop the ABM collaboration

Rapporteurs for plenary session summary of ABM workshop:

Rita S Dias

Makoto Takemasa

(In the workshops summary session Sunday 7 Oct 2018, 18:00 – 19:00)