



Australian Government
Department of Foreign Affairs and Trade



CSIRO-NIMS Symposium: Materials and technologies for life science applications

Day 1: 19th March 2019

Time	Presenter	Topic
09:00-09:30	Registration	
09:30-09:40	Takayoshi Sasaki (NIMS) Helmut Thissen (CSIRO)	Welcome address Scope
Chair: Yoshikawa		
09:40-10:05	Helmut Thissen (CSIRO)	Biomedical materials for the effective control of biointerfacial interactions
10:05-10:30	Mitsuhiro Ebara (NIMS)	Apoptotic cell-inspired polymers for controlling inflammation toward neurodegenerative diseases treatment
10:30-10:55	Kazuaki Matsumura (JAIST)	Control of biodegradation of oxidized polysaccharides and their biomedical applications
10:55-11:20	Morning Tea	
Chair: Uto		
11:20-11:45	Veronica Glattauer (CSIRO)	Stem cells and biomedical materials
11:45-12:10	Yukio Nagasaki (U Tsukuba)	Self-assembling nanodrugs
12:10-13:10	Lunch Break	
Chair: Thissen		
13:10-13:35	Hajime Teramura (JNC)	Approaches of the development for life science products
13:35-14:00	Tim Hughes (CSIRO)	Towards development of functional polymer 3D printing resin
14:00-14:25	Tomoko Sekine (SHISEIDO)	Using clay minerals in pickering emulsion-based skin care products
14:25-14:50	Afternoon Tea	
Chair: Matsumura		
14:50-15:15	Johan Basuki (CSIRO)	Functional polymers for implantable and injectable drug delivery depot
15:15-15:40	Guoping Chen (NIMS)	Preparation of Collagen and Composite Scaffolds for Tissue Engineering Application
15:40-15:55	MOU Conclusion Ceremony	Director of MANA (NIMS) Deputy of HOM (Australia Embassy)
15:55-16:15	Group Photo	
16:15-17:30	Tour of NIMS facilities for invited guests	
18:00 -	Dinner for invited guests	



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Day 2 : 20th March 2019

Time	Presenter	Topic
Chair: Hughes		
9:05-9:30	Kohsaku Kawakami (NIMS)	Dynamic drug/polymer nanoarchitecture to enhance oral absorption of poorly soluble drugs
9:30-9:55	Roger Mulder (CSIRO)	Answering structural questions through the application of biophysical techniques
9:55-10:20	Jun Nakanishi (NIMS)	Engineering material interfaces to dissect cellular machineries
10:20-10:45	Delphine Bouvier (Loreal)	Open innovation within L'ORÉAL
10:45-11:15	Morning Tea	
Chair: Kawakami		
11:15-11:40	Haruka Kuroda (DENKA)	Development of sugar-sensitive hyaluronic acid-PVA gel for cell preservation media
11:40-12:05	Takeshi Ueki(NIMS)	Self-organization of block copolymers: Photo-reversible ion gels & amoeba-like sol-gel oscillation
12:05-13:10	Lunch Break	
Chair: Yamazaki		
13:10-13:35	Rou-Jun Toh (CSIRO)	Prebiotic coatings for biomedical applications
13:35-14:00	Andrew Utada (U Tsukuba)	Alternative strategies to form biofilms: Sticking around without being stuck
14:00-14:30	Afternoon Tea	
Chair: Ueki		
14:30-14:55	Koichiro Uto (NIMS)	Shape memory polymer for biomedical applications
14:20-15:45	Kazunori Ikebukuro (UAT)	Smart aptamer: the aptamer changing its structure and function depending on the environmental condition
15:45-16:10	Tomohiko Yamazaki (NIMS)	Development of novel immunostimulators, as potent vaccine adjuvants
Chair: Basuki		
16:10-16:35	Yasuhiro Morikawa (ULVAC)	Manufacturing Technology for Micro/Nano Processing in Biomedical Application
16:35-17:00	Roey Elnathan (Monash U)	Engineered cell-nanostructured interfaces: from self-assembly to cellular manipulation
17:00-17:25	Chiaki Yoshikawa(NIMS)	Bioinert and bioactive coatings based on poly(2-hydroxypropyl acrylamide)
17:25-17:30	Chiaki Yoshikawa (NIMS) Helmut Thissen (CSIRO)	Closing
17:45-	Banquet	Drinks & Foods served at Cafeteria