



PROGRAM SIPCD 2018

Worldhotel Grand DushuLake • Suzhou • China

14–17 September 2018

14 SEPTEMBER 2018 | FRIDAY

13:00–21:30 REGISTRATION

Main Building Lobby of Worldhotel Grand DushuLake

18:00–20:30 WELCOME RECEPTION

Grand Ballroom of Worldhotel Grand DushuLake

15 SEPTEMBER 2018 | SATURDAY

08:30–08:35 OPENING CEREMONY (Watson Auditorium)

Jan Feijen Soochow University, China /University of Twente, The Netherlands

08:35–10:15 SESSION ONE (Watson Auditorium)

Chairpersons:

Sung Wan Kim University of Utah, USA

Andreas Lendlein Helmholtz-Zentrum Geesthacht, Germany

08:35–09:00

Kinam Park Purdue University, USA

PLGA microparticles: Very well-known but unexplored formulations

09:00–09:25

Jeroen J.L.M. Cornelissen University of Twente, The Netherlands

Protein cages as new tools for nanomedicine

09:25–09:50

Guanghui Ma Institute of Process Engineering, CAS, China

Preparation of uniform particles and employed as chassis for constructing composite virus-like particles by assembling antigen on it

09:50–10:15

Patrick S. Stayton University of Washington, USA

Engineering intracellular drug therapies

10:15–10:45 COFFEE

10:45–12:25 SESSION TWO (Watson Auditorium)

Chairpersons:

Emily Hu John Wiley & Sons Inc (Beijing), China

Yong-Hee Kim Hanyang University, Korea

10:45–11:10

Benzhong Tang Hong Kong University of Science and Technology, Hong Kong

Theranostics based on AIEgens

11:10–11:35

Theresa M. Reineke University of Minnesota, USA

Controlled polymer synthesis and assembly to promote drug delivery and cellular gene editing

11:35–12:00 **Andreas Lendlein** Helmholtz-Zentrum Geesthacht, Germany
Multifunctional polymer systems for controlled drug release and transport

12:00–12:25 **Shaoyi Jiang** University of Washington, USA
Anti-PEG antibodies: Current issues and beyond PEGylation

12:25–13:30 Lunch (Grand Ballroom)

13:30–16:00 SESSION THREE (Watson Auditorium)

Chairpersons: **Theresa M. Reineke** University of Minnesota, USA
Zhuang Liu Soochow University, China

13:30–13:55 **Kazunori Kataoka** University of Tokyo, Japan
Self-assembled supramolecular nanosystems for smart diagnosis and targeted therapy of intractable diseases

13:55–14:20 **Bin Liu** National University of Singapore, Singapore
Organic nanoparticles for sensing, imaging and therapy

14:20–14:45 **Julien Nicolas** Université Paris-Sud, France
Drug-initiated synthesis of polymer prodrug nanocarriers for anticancer therapy

14:45–15:10 **Jianmin Fang** Tongji University, China
Antibody-drug conjugates for targeted delivery of high potency payloads

15:10–15:35 **Youngro Byun** Seoul National University, Korea
Polymeric nano-shielding of transplanted pancreatic islets for the prevention of immune reactions

15:35–16:00 **Mingdong Dong** Aarhus University, Denmark
Understanding of abnormal protein aggregation

16:00–18:30 POSTER SESSION with Snacks and Wine

Exhibition Area E2

Biomacromolecules Poster Awards Selection Committee: Timothy J. Deming (Chair), Haeshin Lee, Hai-Quan Mao, Julien Nicolas, Patrick S. Stayton, Richard Hoogenboom, Yi Yan Yang, Yong-Hee Kim

16 SEPTEMBER 2018 | SUNDAY

08:30–10:10 SESSION FOUR (Watson Auditorium)

Chairpersons: **Kinam Park** Purdue University, USA
Ruibing Wang University of Macau, China

08:30–08:55 **Ick Chan Kwon** Korea Institute of Science and Technology, Korea
Activatable molecular probes for drug delivery

08:55–09:20 **Jinming Gao** University of Texas Southwestern Medical Center, USA
Exploiting molecular cooperativity for precision medicine

09:20–09:45 **Wim E. Hennink** Utrecht University, The Netherlands
Modular core-shell polymeric nanoparticles mimicking viral structures for vaccination

09:45–10:10 **Zhiyong Qian** Sichuan University, China
Redox/pH dual-stimuli responsive camptothecin prodrug nanogels for “on-demand” drug delivery

10:10–10:40 COFFEE

10:40–12:20 SESSION FIVE (Watson Auditorium)

Chairpersons: **Giuseppe Battaglia** University College London, UK
Shaoyi Jiang University of Washington, USA

10:40–11:05 **Frank Caruso** The University of Melbourne, Australia
Hybrid functional materials from metal-phenolic networks

11:05–11:30 **Chunhai Fan** Shanghai Jiao Tong University, China
Framework nucleic acids-guided molecular sensing and imaging

11:30–11:55 **Haeshin Lee** Korea Advanced Institute of Science and Technology, Korea
Polydopamine coating and TANNylation: Mussel and plant-inspired biomaterial studies

11:55–12:20 **Yi Yan Yang** Institute of Bioengineering and Nanotechnology, Singapore
Macromolecular chemotherapeutics that mitigate resistance in cancer and prevent metastasis

12:20–13:30 Lunch (Grand Ballroom)

13:30–15:40 SESSION SIX (Watson Auditorium)

Chairpersons: **Jan Feijen** Soochow University, China
Wim E. Hennink Utrecht University, The Netherlands

13:30–13:55 **Timothy J. Deming** University of California, Los Angeles, USA
Multifunctional diblock copolypeptide hydrogels for biological studies

13:55–14:20 **Hai-Quan Mao** Johns Hopkins University, USA
Controlled polyelectrolyte assembly and therapeutic delivery

14:20–14:45 **Rainer Haag** Freie Universität Berlin, Germany
Multifunctional graphene-based nanosystems for virus capture and tumor therapy

14:45–15:40 BIOMACROMOLECULES SESSION

14:45–14:51 **Huabing Chen** Soochow University, China
Photoactive nanoparticles for cooperative cancer phototherapy

14:51–14:57 **Christian Wischke** Helmholtz-Zentrum Geesthacht, Germany
Polymer network carriers that switch their shape

14:57–15:03 **Jianzhong Du** Tongji University, China
Polymer vesicles for biomedical applications

15:03–15:09 **Jing Sun** Qingdao University of Science and Technology, China
Functional bioinspired polypeptide/peptoid-based polymers

- 15:09–15:15 **Jianshu Li** Sichuan University, China
Controlled delivery systems of calcitonin for anti-osteoporosis therapy
- 15:15–15:21 **Chuanliang Feng** Shanghai Jiao Tong University, China
Bioinspired chiral supramolecular hydrogels
- 15:21–15:27 **Haijun Yu** Shanghai Institute of Materia Medica, CAS, China
Stimuli-responsive nanoparticles for cancer immunotherapy
- 15:27–15:33 **Edgar H. H. Wong** University of New South Wales, Australia
Novel formulations of antimicrobial polymers and small molecule compounds for synergistic action against (multidrug-resistant) bacteria
- 15:33–15:39 **Wei Li** The Second Military Medical University, China
Nano physical pharmaceuticals (NPP): the overlooked powerful tool for promoting in vivo performance of nano formulations

15:40–16:10 COFFEE

16:10–18:10 SESSION SEVEN (Watson Auditorium)

Chairpersons: **Rainer Haag** Freie Universität Berlin, Germany
Weiping Gao Tsinghua University, China

- 16:10–16:35 **David Kaplan** Tufts University, USA
Engineering silk protein delivery systems
- 16:35–17:00 **Xuesi Chen** Changchun Institute of Applied Chemistry, CAS, China
Tumor selective hypoxia induced by vascular disrupting agents: Towards highly enhanced hypoxia-activated prodrug therapy in metastatic breast carcinoma
- 17:00–17:25 **Giuseppe Battaglia** University College London, UK
Precision targeting nanomedicines: principles and applications
- 17:25–17:50 **Richard Hoogenboom** Ghent University, Belgium
Poly(2-oxazoline)s as potent(ial) biomaterials
- 17:50–18:10 **Maarten van Twisk** Elsevier, The Netherlands
How to write a great paper (Author Workshop)

18:10–18:15 CLOSING OF SYMPOSIUM (Watson Auditorium)

Zhiyuan Zhong Soochow University, China

19:00–21:30 BANQUET & BIOMACROMOLECULES POSTER AWARDS

Grand Ballroom

17 SEPTEMBER 2018 | MONDAY

09:00–14:00 City Tour (Optional)

Route 1: Humble Administrator's Garden and Suzhou First Silk Factory Tour

Route 2: Tongli Watery Town Tour