



PROGRAM SIPCD 2024

Worldhotel Grand DushuLake • Suzhou • China

20–23 September 2024

20 SEPTEMBER 2024 | FRIDAY

13:00–21:30 REGISTRATION

Main Building Lobby

18:00–20:30 WELCOME RECEPTION

Octagon Buffet Restaurant

21 SEPTEMBER 2024 | SATURDAY

08:30–08:35 OPENING CEREMONY (Grand Ballroom)

Stefaan De Smedt Ghent University, Belgium

08:35–10:15 SESSION ONE (Grand Ballroom)

Chairpersons:

Kinam Park Purdue University, USA
Martina Stenzel University of New South Wales, Australia

08:35–09:00 **Kazunori Kataoka** Kawasaki Institute of Industrial Promotion, Japan
Polymer-based engineered nanosystems for smart therapy of intractable diseases

09:00–09:25 **Yoon Yeo** Purdue University, USA
Leveraging cancer immunotherapy by spatiotemporal control of drug delivery

09:25–09:50 **Zhen Gu** Zhejiang University, China
Bioresponsive drug delivery

09:50–10:15 **Rainer Haag** Freie Universität Berlin, Germany
Dendritic polysulfate nanosystems for tumor and virus targeting

10:15–11:00 PHOTO & COFFEE

11:00–12:15 SESSION TWO (Grand Ballroom)

Chairpersons:

Johan Engbersen Twente University, The Netherlands
Yucai Wang University of Science and Technology of China, China

11:00–11:25 **Wim E. Hennink** Utrecht University, The Netherlands
Professor Jan Feijen: 50 year of excellence in biodegradable polymers for biomedical and pharmaceutical applications

11:25–11:50 **Jun Wang** South China University of Technology, China
Virus-mimetic fusogenic nanoparticles for cell-targeted drug delivery

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11:50–12:15 **Lola Eniola-Adefeso** University of Michigan, USA
Theraparticles for inside-out neutrophil control in acute inflammation

12:15–13:30 Lunch (SuYuan Hall)

13:30–16:00 SESSION THREE (Grand Ballroom)

Chairpersons: **Dirk Grijpma** Twente University, The Netherlands
Huabing Chen Soochow University, China

13:30–13:55 **Stefaan De Smedt** Ghent University, Belgium
Observations which might inspire drug delivery scientists for guiding bio-therapeutics over biological barriers

13:55–14:20 **Xun Sun** Sichuan University, China
Engineered nanoemulsions containing disease-associated antigens improve autoimmune diseases therapy

14:20–14:45 **María José Alonso** University of Santiago de Compostela, Spain
Key drivers for the efficient delivery of biological drugs using nanotechnology

14:45–15:10 **Guangjun Nie** National Center for Nanoscience and Technology, China
Nanotechnology-enabled tumor microenvironment regulation

15:10–15:35 **Twan Lammers** RWTH Aachen University Clinic, Germany
Strategies to promote cancer nanomedicine performance and clinical translation

15:35–16:00 **Kanyi Pu** Nanyang Technological University, Singapore
Addressing optical imaging challenges for biomedical research

16:30–20:30 POSTER SESSION with Snacks and Wine (SuYuan Hall)

J. Control Release Poster Awards Selection Committee: Twan Lammers (Chair), Chaoliang He, Dirk Grijpma, Honggang Cui, Johan Engbersen, Julien Nicolas, Lichen Yin, Rainer Haag

22 SEPTEMBER 2024 | SUNDAY

08:30–10:10 SESSION FOUR (Grand Ballroom)

Chairpersons: **Lola Eniola-Adefeso** University of Michigan, USA
Huayu Tian Xiamen University, China

08:30–08:55 **Dennis Discher** University of Pennsylvania, USA
Convergent science for solid tumors: from polymersomes & filomicelles to macrophage checkpoint blockade & cancer immunity

08:55–09:20 **Honggang Cui** The Johns Hopkins University, USA
From prodrugs to self-assembling prodrugs

09:20–09:45 **Ana Paula Pêgo** University of Porto, Portugal
Exploring biodegradable dendrimers and neurotoxins for precision nervous system medicine

09:45–10:10 **Cyrille Boyer** University of New South Wales, Australia
Design of antifungal polymers

10:10–10:40 COFFEE

10:40–12:20 SESSION FIVE (Grand Ballroom)

Chairpersons: **María José Alonso** University of Santiago de Compostela, Spain
Runhui Liu East China University of Science and Technology, China

10:40–11:05 **Jianjun Cheng** Westlake University, China
Click chemistry enabled cancer targeting

11:05–11:30 **Martina Stenzel** University of New South Wales, Australia
The relationship between drug loading content and biological activity

11:30–11:55 **Won Jong Kim** POSTECH, Korea
Modulation of nitric oxide for immunocancer therapy

11:55–12:20 **Enrico Mastrobattista** Utrecht University, The Netherlands
Synthetic nanocarriers for local and systemic intracellular delivery of nucleic acids

12:20–13:30 Lunch (SuYuan Hall)

13:30–15:15 SESSION SIX: RISING STAR SESSION (Grand Ballroom)

Chairpersons: **Jan Feijen** Twente University, The Netherlands
Zhengwei Mao Zhejiang University, China

13:30–13:37 **Baolin Guo** Xi'an Jiaotong University, China
Multifunctional hydrogels for rapid hemostasis and tissue repair

13:37–13:44 **Bas G. P. van Ravensteijn** Utrecht University, The Netherlands
Leveraging pathway complexity in the synthesis of nano-pharmaceuticals

13:44–13:51 **Haihua Xiao** Institute of Chemistry, CAS, China
Polymer-based platinum(IV) prodrugs and their future development directions

13:51–13:58 **Junjie Li** Kyushu University, Japan
Activable polymersome-based nanoreactors for targeted therapy

13:58–14:05 **Kai Han** China Pharmaceutical University, China
Inulin-allergen gel for oral immunotherapy against food allergy

14:05–14:12 **Meng Zheng** Henan University, China
Nanoparticles based targeted protein degradation

14:12–14:19 **Roy van der Meel** Eindhoven University of Technology, The Netherlands
Nature-inspired nanotechnology for RNA delivery to immune cells

14:19–14:26 **Tao Yang** Soochow University, China
Biopolymer-based drug carrier for synergistic therapy against intractable PDAC

14:26–14:33 **Wantong Song** Changchun Institute of Applied Chemistry, CAS, China
Immunostimulatory polymers for modulating the immune stasis

14:33–14:40 **Xiangrong Song** Sichuan University, China
mRNA therapeutics against cancers

- 14:40–14:47 **Xing Guo** Southwest Jiaotong University, China
Biomimetic nanocarriers for ischemic stroke therapy
- 14:47–14:54 **Yang Liu** Nankai University, China
Drug-free nanoparticle as high-efficient immunogenic cell death inducer for cancer immunotherapy
- 14:54–15:01 **Zhiyi Xu** East China Normal University, China
PROTAC nanoplatfrom for spatiotemporally tunable protein degradation and enhanced cancer therapy
- 15:01–15:08 **Zhilin Yu** Nankai University, China
Morphology-adaptable peptide assemblies as drug delivery vehicles
- 15:08–15:15 **Zifu Li** Huazhong University of Science and Technology, China
Regulating nanogel mechanics to boost drug delivery and antitumor efficacy

15:15–16:05 SESSION SEVEN (Grand Ballroom)

Chairpersons: **Wim E. Hennink** Utrecht University, The Netherlands
Xianzhu Yang South China University of Technology, China

15:15–15:40 **Wei Tao** Harvard University, USA
Nano- & microscale materials-enabled drug delivery technologies

15:40–16:05 **Julien Nicolas** University Paris-Saclay, CNRS, France
Drug-initiated synthesis of polymer-drug conjugates

16:05–16:10 CLOSING OF SYMPOSIUM (Grand Ballroom)

Zhiyuan Zhong Soochow University, China

18:30–21:30 BANQUET & POSTER AWARDS (Grand Ballroom)

Lecture 你问我爱费扬有多深 “A tribute to Professor Jan Feijen for his lifetime achievements” by **Kinam Park** (Purdue University, USA)

Lecture 费扬教授与中国生物医用高分子材料领域的深厚友谊 “Long-lasting friendship of Professor Jan Feijen with biomedical polymer materials society in China” by **Xuesi Chen** (Changchun Institute of Applied Chemistry, CAS, China)

23 SEPTEMBER 2024 | MONDAY

09:00–14:00 Panmen Scenic Area and Ping Jiang Road Tour (Optional)