

ICBZM 2019 Scientific program

June 17, Monday			
Time	Event	Name	Title
8:00 -	Registration desk opens		
8:45 - 9:00	Opening – Vancso, Julius; Jiang, Shaoyi - Location: Aula Minor		
9:00 - 9:45	Plenary lecture Chair: Jiang, Shaoyi	Ishihara, Kazuhiko	Biocompatibility of phosphorylcholine group bearing polymers
	Chair: Vancso, Julius – Location: Aula Minor		
9:45 - 10:15	Keynote invited lecture	Jiang, Shaoyi	Recent Advances in Zwitterionic Materials
10:15 - 10:45	Keynote invited lecture	Moroni, Lorenzo	Engineering Biomaterials to Steer the Foreign Body Response towards Tissue Regeneration
10:45 - 11:00	Break		
	Chair: Ishihara, Kazuhiko - Location: Aula Minor		
11:00 - 11:30	Keynote invited lecture	Yuan, Jiayin	Soft actuators derived from poly(ionic liquid)s
11:30 - 11:50	Invited lecture	Steele, Terry	Zwitterionic, Voltage Initiated Tissue Adhesives
11:50 - 12:10	Invited lecture	Smulders, Maarten	Romantic surfaces with a bead – functional antifouling polymer brushes on polymer beads
12:10 - 13:00	Lunch – Location: Big Dining Room (Grote Eetzaal)		
	Chair: Steele, Terry - Location: Aula Minor		
13:00 - 13:30	Keynote invited lecture	Liu, Danqing	Coating as two-dimensional soft robotics
13:30 - 13:50	Invited lecture	Yusa, Shin-ichi	Thermo-responsive Behaviours of Amphoteric Copolymers

13:50 - 14:10	Invited lecture	Benetti, Edmondo	Chemical and Topological Evolution of Polymer Biointerfaces	
14:10 - 14:30	Invited lecture	Sui, Xiaofeng	Enzyme-Mediated Graft Polymerization of Zwitterionic Polymers from Cellulose Nanofiber - derived Porous Materials	
14:30 - 14:50	Invited lecture	White, Andrew	Computational design of peptide-based materials with maximum entropy molecular simulation and data-driven modeling	
14:50 - 15:10	Break			
	Contributed lectures, Chair: Smulders, Maarten - Location: Room 1 (Zaal 1)		Contributed lectures, Chair: Benetti, Edmondo - Location: Room 2 (Zaal 2)	
Time	Name	Title	Name	Title
15:10 - 15:25	Appelhans, Dietmar	Functional principles of polymeric vesicles for mimicking cell functions	Li , Xu	Lactobionic acid modified mixed-charge self-assembled monolayer modified gold nanoparticles as smart carries for active targeting
15:25 - 15:40	Biehl, Philip	Polyampholytic hybrid nanoparticles as platform for reversible adsorption processes	Lienkamp, Karen	Antimicrobially Active Polyzwitterions - A Paradigm Change?
15:40 - 15:55	Ederth, Thomas	Pseudozwitterionic polymers and their potential for antifouling applications	Lísalová, Hana	Functionalizable Ultra-Low Fouling Nonionic and Zwitterionic Surfaces: Effects of Surface Physico-Chemical Properties on Living Cells
15:55 - 16:10	Huang, Chun-Jen	Responsive Interpenetrating Network Hydrogels with Reversibly Switchable Killing/Releasing Bacteria	Liu, Mingjie	Bio-inspired mechano-functional gels through multi-phase order-structure engineering
16:10 - 16:25	Leonida, Mihaela	Molecular "Wiring": Ionic Liquids versus High Pressure	Münch, Alexander	Multi-functional polymer coatings based on zwitterionic phosphorylcholines
16:25 - 16:40	Koc, Julian	Thin Hydrogel Coatings for marine applications made of Photocrosslinked Polyzwitterions	Panzer, Matthew	Zwitterionic Copolymer Scaffolds for Nonaqueous, Ionic Liquid-Based Gel Electrolytes
17:30 - 18:30	Dinner – Location: Big Dining Room (Grote Eetzaal)			
18:30 - 22:00	Poster session I. + wine			

June 18, Tuesday

Time	Event	Name	Title
	Chair: Zuilhof, Han - Location: Aula Minor		
8:30 - 9:15	Plenary lecture	Ratner, Buddy	RF-Plasma Deposition to Create Non-Fouling, Zwitterionic and Other Surfaces
9:15 - 9:45	Keynote invited lecture	de Vos, Wiebe	Polyzwitterions in Membrane Separations: Beyond Anti-fouling
9:45 - 10:15	Keynote invited lecture	Laschewsky, Andre	Designing Zwitterionic Polymer for Thin Film Hydrogels and Low-Fouling Surfaces
10:15 - 10:30	Break		
10:30 - 11:00	Keynote invited lecture	Bintinger, Johannes	Towards a biomimetic smell sensor
11:00 - 11:30	Keynote invited lecture	Wu, Peiyi	Zwitterionic skin
11:30 - 11:50	Invited lecture	Iwasaki, Yasuhiko	Zwitterionic thiol-protected nanoparticles and nanoclusters
11:50 - 13:00	Lunch and Poster Session II. – Location: Big Dining Room (Grote Eetzaal)		
	Chair: de Beer, Sissi - Location: Aula Minor		
13:00 -13:45	Plenary lecture	Gleason, Karen	Chemical Vapor Deposition (CVD) of Zwitterionic Surfaces
13:45 - 14:05	Invited lecture	Wang, Yapei	Spider-Inspired Multicomponent 3D Printing for Tissue Engineering
14:05 - 14:35	Invited lecture	Bernards, Matthew	Evaluating the Role of Electrostatic Interactions on Macroscale Properties of Polyampholyte Hydrogels
14:35-14:55	Invited lecture	Cao, Zhiqiang	Zwitterionic Materials for Nanomedicine
14:55 - 15:15	Invited lecture	Chang, Yung	Impacts of Zwitterionic Membranes in Medical Applications
15:15 - 16:45	Break - Organ Concert – Location: Abbey Church (Abdijkerk)		

	Chair: de Vos, Wiebe - Location: Aula Minor		
16:45 - 17:05	Invited lecture	Zheng, Jie	Multifunctional Zwitterionic Materials for Engineering
17:05-17:25	Invited lecture	Chen, Shengfu	Ultra-high Bio-affinity Recovery of RGDS peptide through protein mimicking based on the zwitterionic PAMAM-5
17:25 - 17:45	Invited lecture	Wang, Zhanhua	Water-Repairable Zwitterionic Polymer Coatings for Anti-Biofouling Surfaces
19:00 - 21:30	Banquet, dinner, Poster price award – Location: Big Dining Room (Grote Eetzaal)		
21:30 -	Bar “Verloren Zoon” – Location: Cellar (Kelder)		

June 19, Wednesday

Time	Event	Name	Title	
	Chair: Jiang, Shaoyi - Location: Aula Minor			
9:00 - 9:45	Plenary lecture	Lei, Jiang	Smart Interfacial Materials from Super-Wettability to Binary Cooperative Complementary Systems	
9:45 - 10:15	Keynote invited lecture	Ji, Jian	Polyelectrolyte Complex Coatings: From Bioinspired Method to Real Coating Technology	
10:15 - 10:45	Keynote invited lecture	de Beer, Sissi	Tribo-Mechanics of Vapor-Hydrated Polymer Brushes	
10:45 - 11:00	Break			
	Contributed lectures, Chair: Sui, Xiaofeng; Location - Room 1 (Zaal 1)		Contributed lectures, Chair: Feng, Xueling; Location - Room 2 (Zaal 2)	
Time	Name	Title	Name	Title
11:00 - 11:15	Roeven, Esther	Design, Synthesis and Characterization of Fully Zwitterionic, Functionalized Dendrimers	Yu, Qiuming	PEDOT-based Zwitterionic Conducting Polymer for Organic Electrochemical Transistor Biosensors
11:15 - 11:30	Shen, Yizhou	Rationally design nanostructure features on superhydrophobic surfaces for enhancing self-propelling dynamics of condensed droplets	Zhou, Jian	Computer Simulations on the Structure-Property Relationship of the Zwitterionic Drug Delivery System
11:30 - 11:45	Takemoto, Hiroyasu	Polyzwitterion comprising 1,2-diaminoethane that recognizes tumorous pH for effective delivery of the coated nanoparticles	Baggerman, Jacob	Bioactive Zwitterionic Surfaces for Biosensing
11:45 - 12:00	Farewell - Vancso, Julius; Location - Room 1 (Zaal 1)			
13:00 - 14:00	Lunch – Location: Big Dining Room (Grote Eetzaal)			
14:00 -	Optional excursion to Maastricht. Sign up.			

Posters

P1	Al ITO	Influence of ion structures of zwitterions on the cellulose dissolution ability and toxicity to microorganisms
P2	Al-Muallem, Hasan	Synthesis of a pH-Responsive Polyampholytic Maleic Acid-alt- Methylallylamine Copolymer and its Application as Antiscalant
P3	Amoako, Kagya	Antifouling Activity of Graft-to Poly(carboxybetaine) Pre and Post Flow
P4	Beyer, Cindy	Parallelized microfluidic accumulation assay to test zwitterionic fouling release coatings for marine applications
P5	Cabanach, Pol	Zwitterionic self-assembled nanoparticles for drug delivery
P6	Cheng, Bohan	One-step surface zwitterionization by bio-inspired polyphenolic coating
P7	Feliciano, Antonio	Designing Corneal Implants with Zwitterionic and Supramolecular Materials
P8	Haag, Stephanie	Biocompatibility of Polyampholyte Polymers for Tissue Engineering Applications
P9	He, Huacheng	Zwitterionic Supplement in Poly(ethylene glycol) Hydrogel Dressings Accelerating Wound Healing by Anti-inflammation and Enhanced Cell Proliferation, Angiogenesis and Collagen Deposition
P10	Hong, Daewha	Achieving Antifouling under Air Condition via Controlled Radical Polymerization of Carboxybetaine
P11	Jin, Qiao	Zwitterionic supramolecular prodrug micelles for photodynamic cancer therapy
P12	Koschitzki, Florian	Photoinduced Amphiphilic Zwitterionic Carboxybetaine Polymer Coatings with Marine Antifouling Properties
P13	Kuzmyn, Andriy	Diblock antifouling-bioactive polymer brushes for the next generation of biosensors
P14	Laschewsky, Andre	"Schizophrenic" Micellar Self-organization of Twofold Switchable Zwitterionic Block Copolymers
P15	Martinez Guajardo, Alejandro	Long-Term Stability of Zwitterionic Polymers against Hydrolysis
P16	McMullen, Patrick	Alternating Charge Peptides Confers Stability to Proteins
P17	Nagy, Bela	Swelling of pseudo-zwitterionic co-polymer hydrogels
P18	Palitza, Patricia	Synthesis and characterisation of zwitterionic siloxanes as marine antifouling coatings
P19	Paschke, Stefan	A Simultaneously Protein-repellent and Antimicrobially Active Zwitterionic Polymer Network

P20	Saha, Pabitra	Stimuli-responsive polyzwitterionic microgels by RAFT precipitation polymerization
P21	Shao, Qing	Molecular Simulations of Zwitterionic Electrolytes for Lithium Ion Batteries
P22	Shiomoto, Shohei	Thermal Analysis of Bound Water Restrained by Poly(2-methacryloyloxyethyl inverse-phosphorylcholine)
P23	Surman, František	Efficient Initiator for Grafting Polymer Brushes Based on Carboxybetaine (Meth)acrylamide
P24	Tsao, Caroline	Zwitterionic-based Platforms for Biopharmaceutics
P25	Védie, Elora	Fabrication and characterization of biomimetic texture for antifouling applications
P26	Virga, Ettore	Multifarious Zwitterions applications: from low fouling membrane coatings to excellent surfactants for enhanced oil recovery
P27	Víšová, Ivana	Spectroscopic Ellipsometry of Zwitterionic and Nonionic Polymer Coatings in Liquid Environment
P28	Wang Ruochun	Zwitterionic Poly(sulfobetaine methacrylate) Grafted Cellulose Acetoacetate via Enzyme-Mediated Polymerization
P29	Wu, Jiang	Soft Tissue Mimicking Zwitterionic Hydrogels through Reversible Strain-Induced Anisotropic Polar Filament Bundles to Achieve Hyperelasticity for Healthy Implantation
P30	Yang, Rong	Vapor-Deposited Zwitterionic Coatings for Seawater Desalination
P31	Yu, Wenfa	Polyelectrolyte Multilayers reinforced by Zwitterionic Silanes as Marine Protective Coatings
P32	Teunissen, Lucas	Tailoring Zwitterionic, Antifouling Polymer Brushes
P33	Ren, Ke-Feng	Dynamic Microporous Coating for On-demand Encapsulation of Functional Agents
P34	Roeven, Esther	Synthesis and characterization of functionalized zwitterionic dendrimers