

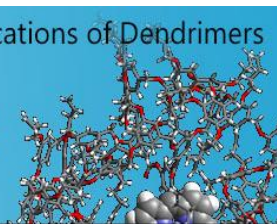


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UNIVERSITÀ
DEGLI STUDI
DI URBINO
CARLO BO

6th International Symposium on Biomedical Applications of Dendrimers

Biodendrimer 2018

Urbino, 4 – 7 June



Scientific Programme

Monday, June 4 th		
14.00 - 15.30	Registration	
15.30 - 15.45	Welcome and Introduction by M. Francesca Ottaviani	
15.45 - 16.30	Xiangyang Shi	Plenary: Synthesis of Dendrimer-Pyridine-Copper(II) Complexes for Radiotherapy-Enhanced MR Imaging and Chemotherapy of Breast Cancer. Publishing in a special issue on dendrimers in <i>Pharmaceutics</i>
16.30 - 16.55	Ken Cham-Fai Leung	Higher-generation Type III-B Rotaxane Dendrimers for Anti-cancer Drug Encapsulation and Active Release
16.55 - 17.20	Joao Rodrigues	Novel nitrile based PAMAM dendrimers functionalized with the $[\text{Ru}(\eta^5\text{-C}_5\text{H}_5)(\text{PPh}_3)_2]^+$ moiety: synthesis and cytotoxicity studies
17.30	Welcome Cocktail	

Tuesday, June 5th

09.00 - 09.30	Barbara Klajnert-Maculewicz	Plenary: Fluorescent dendrimers without fluorophores
09.30 - 10.15	Ling Peng	Plenary: Self-assembling dendrimer nanotechnology for biomedical applications
10.15 - 10.40	Coffee Break/Poster Session	
10.40 - 11.25	Anne-Marie Caminade	Plenary: Fluorescent dendrimers for biological uses
11.25 - 11.50	Evgeny K. Apartsin	Biocompatible hydrogels based on phosphorus dendrimers as carriers for therapeutic nucleic acids
11.50 - 14.00	Lunch	
14.00 - 14.45	Valentin Cena	Plenary: Neutral high-generation phosphorus dendrimers as anti-inflammatory agents both <i>in vitro</i> and <i>in vivo</i> .
14.45 - 15.10	Xiaoxuan Liu	Stimulus-sensitive self-assembling amphiphilic dendrimers as siRNA delivery platform
15.10 - 15.35	Victoria Leiro Rodriguez	Fully Biodegradability of PEG-Dendritic Block Copolymers towards an efficient siRNA Delivery
15.35 - 16.00	Marleen Wilde	Biophysical studies of PAMAM interactions with membrane models
16.00 - 16.25	Coffee Break/Poster Session	
16.25 - 17.10	Andrea Danani	Plenary: Elucidating the Role of Surface Chemistry on Cationic Phosphorus: Dendrimer-siRNA Complexation
17.10 - 17.35	Gianvito Grasso	Elucidating the Protective Role of Maltose-Terminated PPI Dendrimers in the Aggregation of Amyloid Beta Peptide in Presence of Copper Ions
17.35 - 18.00	Cláudia S. Camacho	The challenge of designing powerful platinum-based prodrugs based on PAMAM dendrimers as anticancer agents
18.00 – 18.25	Thissa N. Siriwardena	Discovery of novel peptide dendrimer from chemical space
18.25 - 18.50	Scott M. Grayson	Exploring the role of branching in star-dendritic amphiphilic polymers

Wednesday, June 6th

09.00 - 09.45	M.A.Munoz-Fernandez	Plenary: Preclinical development of G2-S16 dendrimer as successful anti-HIV-1 and anti-HSV-2 microbicide
09.45 - 10.10	Javier F. De La Mata	Carbosilane metalloidendrimers as antitumoral agents
10.10 - 10.35	Rafael Gomez	Topology and amphiphilicity of carbosilane dendritic systems in biomedical applications
10.35 - 11.00	Coffee Break/Poster Session	
11.00 - 11.25	Carla S. Alves	Influence of generation size of dendrimer-entrapped gold nanoparticles on cell viability, transfection, and differentiation
11.25 - 11.50	Dina Maciel	Exploring the Antiviral Behaviour of Anionic Poly(alkylidenamine) Dendrimers as Potential Agents Against HIV-1 Infection
11.50 - 14.00	Lunch	
14.00 - 14.25	Anna Janaszewska	Conjugates of PAMAM dendrimer, anticancer drug and monoclonal antibody: the new approach of a well-known strategy
14.25 - 14.50	Chai-Lin Kao	Preparation and applications of boronic acid-functionalized PAMAM dendrimers
14.50 - 15.15	Dietmar Appelhans	Non-covalent interactions for the fabrication of drug-delivery-systems and biohybrid associates
15.15 - 15.40	Riccardo Carloni	Synthesis and characterization of differently functionalized Glycodendrimers to treat Alzheimer and Wilson's disease
15.40 - 16.05	Dinh-Vu Nguyen	Mastering active targeting, alleviating unspecific cellular uptake and tailoring <i>in vivo</i> fate of USPIOs through a dendritic coating
16.05 - 16.20	Coffee Break/Poster Session	
16.20 - 16.55	Poster short presentations: Dominika Wróbel Poster Prize	Interaction of glucose-modified carbosilane dendrimers with human serum albumin and liposomes
17.00 - 19.00	Visit of Urbino: the Ducal Palace	
20.00	Social Dinner	

Thursday, June 7th

09.00 - 09.45	Donald A. Tomalia	Plenary: The Importance of Systematic CNDP Engineering: Dendrimer Based Drug Delivery from Discovery to First FDA Phase III Clinical Product Approval (2017)
09.45 - 10.10	Rita F. Pires	Polyurea Dendrimers in Inhalation Chemotherapy
10.10 - 10.35	Vasco D. B. Bonifácio	Polyurea Dendrimers in Ovarian Cancer Therapeutics
10.35 - 10.50	Coffee Break	
10.50 - 11.35	Jorn Christensen	Plenary: Complexes of Indomethacin with 4-Carbomethoxy-pyrrolidone PAMAM Dendrimers Show Improved Anti-Inflammatory Properties and Temperature Dependent Binding and Release Profile
11.35 - 11.50	Final remarks of the Symposium and Presentation of Biodendrimer 2020	
11.50 - 14.00	Lunch	