

Geneva chemistry & biochemistry days

2014

TH 16 January 2014, 9.00–17.40

FR 17 January 2014, 9.00–12.30

Sciences II – auditoire P.F. Tingry A150

30, quai Ernest-Ansermet – 1205 Genève

No registration required

Prof. Gisou van der Goot

École Polytechnique Fédérale de Lausanne

Prof. Eric V. Anslyn

the University of Texas at Austin

Prof. Jean-Claude Bünzli

École Polytechnique Fédérale de Lausanne – Korea University

Prof. Gregory D. Scholes

University of Toronto

Junior speakers: **David Alonso** • **Pierre Charbonnaz** • **Pierre Cottet** • **Julien Graff** • **Annika Hohendahl** • **Dawid Kedracki** • **Marius Koch** • **Alice Lefranc** • **Romain Letrun** • **Bastien Néel** • **Ilyes Safir** • **Christelle Serba** • **Damien Simond** • **Cecilia Tortoreto** • **Romain Touilloux** • **Cansel Ustunel** • **Xiaojiang Xie** • **Xiuwen Zhou**

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FACULTÉ DES SCIENCES
SECTION DE CHIMIE ET BIOCHIMIE



**UNIVERSITÉ
DE GENÈVE**

PROGRAMME – THURSDAY 16 JANUARY 2014

Session 1 – Morning		
Chairmen: Prof. Thierry Soldati + Dr Gaston Crespo		
09:00- -09:15	Prof. Eric Vauthey	Welcome message Introduction
09:15- -10:05	Prof. Gisou van der Goot École Polytechnique Fédérale de Lausanne	Mechanisms of Biological Membrane Perforation by Bacterial Toxins
10:05- -10:20	Coffee break Main hall of Sciences III	
10:20- -10:40	David Alonso	Gradually Twisted Push-Pull Oligothiophenes and their Planarization in Confined Space
10:40- -11:00	Dawid Kedracki	Polymer-Aptamer Hybrid Emulsion Templating Yields Bio-Responsive Nanocapsules
11:00- -11:20	Marius Koch	Charge Separation Investigated by Ultrafast Time- Resolved Infrared Spectroscopy
11:20- -11:40	Pierre Cottet	Copper-Catalyzed Asymmetric Conjugate Addition of Alkenyl- and Alkylalanes to α,β -Unsaturated Lactams
11:40- -12:00	Damien Simond	A Metalloligand Containing a Three-Fold Axis as Molecular Brick for Supramolecular Self-Assemblies
12:00- -14:00	Lunch (all invited lecturers + all PhD students) Restaurant-pizzeria Sole Mio, boulevard Carl-Vogt	
Session 2 – Afternoon		
Chairmen: Prof. Stefan Matile + Prof. Aurélien Roux + Dr Arnulf Rosspeintner		
14:00- -14:20	Romain Touilloux	Direct Arsenic(III) Sensing by a Renewable Gold Nanoparticle Plated Ir-Based Microelectrode
14:20- -14:40	Christelle Serba	Divergent Synthesis of Sesquiterpene Lactones
14:40- -15:00	Bastien Néel	Towards a Reliable Potentiometric Detection of Nutrients in Sea Water
15:00- -15:20	Annika Hohendahl	Role of Crescent-Shaped Proteins in Membrane Fission during Endocytosis
15:20- -15:40	Cecilia Tortoreto	Unprecedented Reactivity of CpRu Stabilized Acceptor/Acceptor Carbenes with Cyclic Ethers
15:40- 16:10	Coffee break Main hall of Sciences III	
16:10- -16:30	Ilyes Safir	Chitosan-Grafted-ssDNA: Self-Assembly and Crystallization
16:30- -16:50	Julien Graff	Asymmetric Bromine-Lithium Exchange: Application toward the Synthesis of Natural Product
16:50- -17:10	Xiuwen Zhou	Spectral Tuning of Rhodopsin and Visual Cone Pigments
17:10- 18:00	Prof. Eric V. Anslyn the University of Texas at Austin	Supramolecular Analytical Chemistry
18:00- 19:00	Verre de l'amitié Main hall of Sciences III	
19:00-	Banquet (speakers + chairmen + organisers)	



PROGRAMME – FRIDAY 17 JANUARY 2014

Session 3 – Morning		
Chairmen: Prof. Eric Vauthey + Prof. Claude Piguet + Prof. Alexander Adibekian		
09:00- -09:50	Prof. Gregory D. Scholes University of Toronto	Photosynthetic Machines and Ultrafast Energy Transfer
09:50- -10:10	Coffee break Main hall of Sciences III	
10:10- -10:30	Pierre Charbonnaz	Multicomponent Surface Architectures with Central Perylenediimide Stacks
10:30- -10:50	Cansel Ustunel	Phospholipids and Intraluminal Vesicles
10:50 -11:10	Romain Letrun	Ultrafast Electron Transfer reactions in Liquid Solution: Beyond Kasha-Vavilov's Rule
11:10 -11:30	Xiaojiang Xie	Photo-Switchable Ion-Exchanging Nanospheres Containing Neutral Ionophores
11:30 -11:50	Alice Lefranc	Organocatalytic Domino Michael/Aldol Reaction of 3-Halogeno-1,2-Diones to α,β -Unsaturated Aldehydes
11:50- 12:40	Prof. Jean-Claude Bünzli École Polytechnique Fédérale de Lausanne	Rare Earths: Indispensable Vitamins in Science and Technology
12:40- 12:45	Prof. Eric Vauthey	Concluding remarks