

Frontiers in Chemical Synthesis II
Heterocyclic Chemistry

2012

	Speaker	Title
May 23, 2012		
Session I: Gold and Carbenes (Chairman: Victoria Vita)		
14h00-15h15	Valentin Manzanares	<i>Au-NHC Complexes: Applications in Synthetic and Medicinal Chemistry</i>
15h15-16h30	Yifan Li	<i>Non-Classical Heterocyclic Carbenes: Recent Applications in Small Molecule Activation and Organic Synthesis</i>
16h30-17h45	Van Manh Pham	<i>Furan and Pyran Synthesis from Functionalized Allenes by Gold Catalysis</i>
May 24, 2012		
Session II: N-Containing Heterocycles and Natural Products (Chairman: Valentin Manzanares)		
13h00-14h15	Victoria Vita	<i>Radical Methods for the Synthesis of N-Heterocycles</i>
14h15-15h30	Christopher Kourra	<i>Direct C-H Functionalization of Five-membered N-Containing Heterocycles</i>
15h30-16h45	Christophe Heinz	<i>Vindoline: Synthetic Approaches towards a Highly Complex Polycyclic Alkaloid.</i>

2015

	Speaker	Title
May 11, 2015		
Session I: New Synthetic Methods for Heterocycle Synthesis Chair: Paola Caramenti		
9h00-10h00	Cyril Piemontesi	<i>The Synthesis of Pyridine Derivatives using N-Heteroatom Pyridinium Species</i>
10H00-11h00	Julia Pedroni	<i>Gamma-Lactam Synthesis via Transition-Metal Catalyzed Carbonylation Reactions</i>
11h00-12h00	Daniele Perrotta	<i>Catalytic Enantioselective 1,3-Dipolar Cycloadditions of Azomethine Ylides</i>
Session II: Synthesis of Heterocycle-Containing Drugs and Natural Products Chair: Julia Pedroni		
13h00-14h00	Daria Grosheva	<i>Synthesis of Indolizidine Alkaloids</i>
14H00-15h00	Grigory Karateev	<i>Synthetic Routes to the Best Selling Drugs Containing 6-Membered Heterocycles</i>
15h00-16h00	Nicolas Gaeng	<i>Selected Syntheses of Spirocyclic Natural Products</i>
May 12, 2015		
Session III: Heterocycles as Catalysts and Ligands Chair: Cyril Piemontesi		
9h00-10h00	Paola Caramenti	<i>1,2,3 Triazoles in Catalysis</i>
10h00-11h00	Romain Tessier	<i>L-Histidine and its Derivatives as Organocatalysts</i>

2018

	Speaker	Title
May 17, 2018, BCH 5310		
Session I: (Guillaume Pisella)		
13h30-14h30	Alexandre Leclair	<i>Synthesis of 5-membered azacycles by ring expansion of aziridine and azetidine</i>
14h30-15h30	Balasz Budai	<i>Oxidative O-cyclizations for the synthesis of oxacycles</i>
15h30-16h30	MingMing Wang	<i>Recent progress of oxaziridine chemistry</i>
May 18, 2018, BCH 4119		
Session II: (Balasz Budai)		
8h30-9h30	Guillaume Pisella	<i>Catalytic enantioselective hetero-Diels-Alder reactions of carbonyl and imines</i>
9h30-10h30	Mathias Mamboury	<i>Synthesis of heterocycles via (aza)-ortho-quinone methide intermediates</i>
10h30-11h30	Qui-Hien Nguyen	<i>Carbohydrate-N-heterocyclic carbene metal complexes: Applications in catalysis and medicinal chemistry</i>
Session III: (Mathias Mamboury)		
13h30-14h30	Benoit Audic	<i>Monoimino pyridine and derivatives as ligands for catalysis</i>
14h30-15h30	Sung Hwan Park	<i>Application and synthesis of imidazole, pyrazole and thiazole in medicinal chemistry</i>

2021

	Speaker	Title
May 17		
Session I: (Johannes Klett)		
9h15-10h15	Mikus Purins	<i>Application of Dihydropyridines in Photochemistry as Radical Precursors.</i>
10h15-11h15	Dan Forster	<i>Radical Polycyclization in the Synthesis of Heterocyclic Natural Products</i>
11h15-12h15	Eliott Le Du	<i>Achmatowicz Reaction and its Use in Total Synthesis</i>
May 17		
Session II: (Lara Lavrencic)		
13h15-14h15	Johannes Klett	<i>Heterocycles in Cancer Treatment Drugs – Synthesis of Selected Examples</i>
14h15-15h15	Diana Cavalli	<i>Lithiation Mediated by Sparteine</i>
May 20		
Session III: (Mikus Purins)		
13h15-14h15	Lara Lavrencic	<i>Heterocycle Synthesis via Enantioselective NHC Catalysed Annulations</i>
14h15-15h15	Xingyu Liu	<i>Application of Octahedral Metal-Centered Chirality based on Heterocyclic Ligands in Asymmetric Catalysis</i>