

9:00 **Welcome & Coffee**9:40 **Opening**9:45 **Jonathan Clayden (University of Bristol, UK; Syncom Lecture)** – Ir. Haak room

Conformational communication: design and synthesis of membrane-bound receptor mimics

	<b>Parallelsession I</b> – Ir. Haak room Chair: Jeroen Cornelissen	<b>Parallelsession II</b> – Kleine Veer room Chair: Tom Wennekes
10:45	<b>Pablo Ortiz (RUG)</b> Stereoselective Brook rearrangement/trapping of chiral $\alpha$ -tertiary allyl hydroxysilanes	<b>Leticia Monjas (RUG)</b> Structure-based design of small-molecule binders to the ECF transporter for thiamine in pathogenic bacteria
11:05	<b>Gydo van der Heijden (VU)</b> Chemistry and Development of a Novel Convertible Isocyanide	<b>Selma Eising (RU)</b> A new bioorthogonal tetrazine ligation with vinylboronic acids
11:25	<b>Rianne Hommersom (UT)</b> Plasmonic virus-like particles by templated encapsulation of gold nanorods	<b>Wouter Engelen (TUE)</b> Antibody triggered actuation of DNA-based molecular circuits

11:45 **Lunch** in Terrace room & **ALV** in Kleine Veer13:15 **Jason Chin (MRC laboratory of Molecular Biology, Cambridge, UK)** – Ir. Haak room

Reprogramming the Genetic Code

	<b>Parallelsession III</b> – Ir. Haak room Chair: Mark Borst	<b>Parallelsession IV</b> – Kleine Veer room Chair: Kim Bongor
14:15	<b>Alejandra Riesco-Domínguez (RU)</b> Enantio- and diastereoselective synthesis of a Spiro-compound library based on the Piperidin-4-one scaffold	<b>Nabil Tahiri (RUG)</b> Combating Bacterial Resistance by Regioselective Modifications of Aminoglycoside Antibiotics
14:35	<b>Rickdeb Sen (WUR)</b> The Use of Ambient Ionization High-Resolution Mass Spectrometry for the Kinetic Analysis of Organic Surface Reactions	<b>Hui Deng (LU)</b> Design and Enantioselective Synthesis of Chemical Probes to Study Brain Lipid Signaling
14:55	<b>Jenifer Kayhan (UVA)</b> Highly Selective Total Synthesis of Javaberine via two Consecutive Organocatalytic Pictet-Spengler Condensations	<b>Jie Shi (UU)</b> Identifying substrates and inhibitors of human O-GlcNAc transferase using a peptide microarray

15:15 **Coffee**15:45 **Ronald Raines (University of Wisconsin, USA; Mercachem Lecture)** – Ir. Haak room

Unappreciated Forces that Stabilize Proteins

16:45 **Christina Moberg (KTH Royal Institute of Technology, SE; DSM Lecture)** – Ir. Haak room

Recycling in Asymmetric Catalysis

18:00 **Dinner (registration necessary)** – in Eatcetera

8:30 *Coffee*

9:00 **William Shih (Harvard Medical School, USA; Buchi Lecture)** – Ir. Haak room  
DNA nanostructures as building blocks for molecular biophysics and future therapeutics

	<b>Parallelsession V</b> – Ir. Haak room Chair: Romano Orru	<b>Parallelsession VI</b> – Kleine Veer room Chair: Leendert van den Bos
10:00	<b>Varsha Jumde (RUG)</b> Catalytic regioselective oxidation of glucose	<b>Marthe Walvoort (RUG)</b> A modular approach to phosphoglycosyltransferase inhibitors inspired by nucleoside antibiotics
10:20	<b>Stefanie Lange (WUR)</b> Efficient and tunable 3D functionalization of antifouling, zwitterionic polymer brushes on Si <sub>3</sub> N <sub>4</sub>	<b>Caroline Paul (TUD)</b> Improving Nature's cofactors for oxidoreductases

10:40 *Coffee*

11:15 **Alanna Schepartz (Yale University, USA)**  
How EGFR encodes and decodes chemical information

	<b>Parallelsession VII</b> – Ir. Haak room Chair: Gino van Strijdonck	<b>Parallelsession VIII</b> – Kleine Veer room Chair: Tom Wennekes
12:15	<b>Xingchen Yan (RUG)</b> Copper catalyzed enantioselective synthesis of chiral amides	<b>Jonathan Martinelli (TUD)</b> A dimeric MRI contrast agent for tumour targeting prepared via solid-phase synthesis
12:35	<b>Rosario Medici (TUD)</b> Synthesis of $\alpha$ -hydroxy ketones and vicinal diols	<b>Jonas Lohse (RUG)</b> Targeted diazotransfer reagents enable selective modification of proteins with azides

12:55 *Lunch in Terrace room*

	<b>Parallelsession IX</b> – Ir. Haak room Chair: Jeroen Cornelissen	<b>Parallelsession X</b> – Kleine Veer room Chair: Kim Bongers
14:00	<b>Dávid Komáromy (RUG)</b> Self-assembly as a common inducer of molecular diversity and specificity	<b>Tjerk Sminia (WUR)</b> Synthesis of Pseudaminic Acid for the Study of Microbial Glycobiology in the Human Gut
14:20	<b>Francesco Lanza (RUG)</b> Chiral heteroarenes via catalytic addition of Grignard reagents	<b>Lise Schoonen (RU)</b> Highly efficient enzyme encapsulation in a protein nanocage: towards enzyme catalysis in a cellular nanocompartment mimic
14:40	<b>Razvan Cioc (VU)</b> Is There Anything Left to Discover in Ugi and Passerini Chemistry?	<b>Andreas Bastian (RUG)</b> Design, Synthesis, And Evaluation of Novel Inhibitors of OXA-Carbapenemases

15:00 *Coffee*

15:30 **Jonathan Nitschke (University of Cambridge, UK)** – Ir. Haak room  
Syntheses Involving Transformative Cages

16:30 **Amir Hoveyda (Boston College, USA; Sigma Aldrich & EurJoc Lecture)** – Ir. Haak room  
Title to be announced

17:30 *Closing (followed by drinks @Down Under bar)*