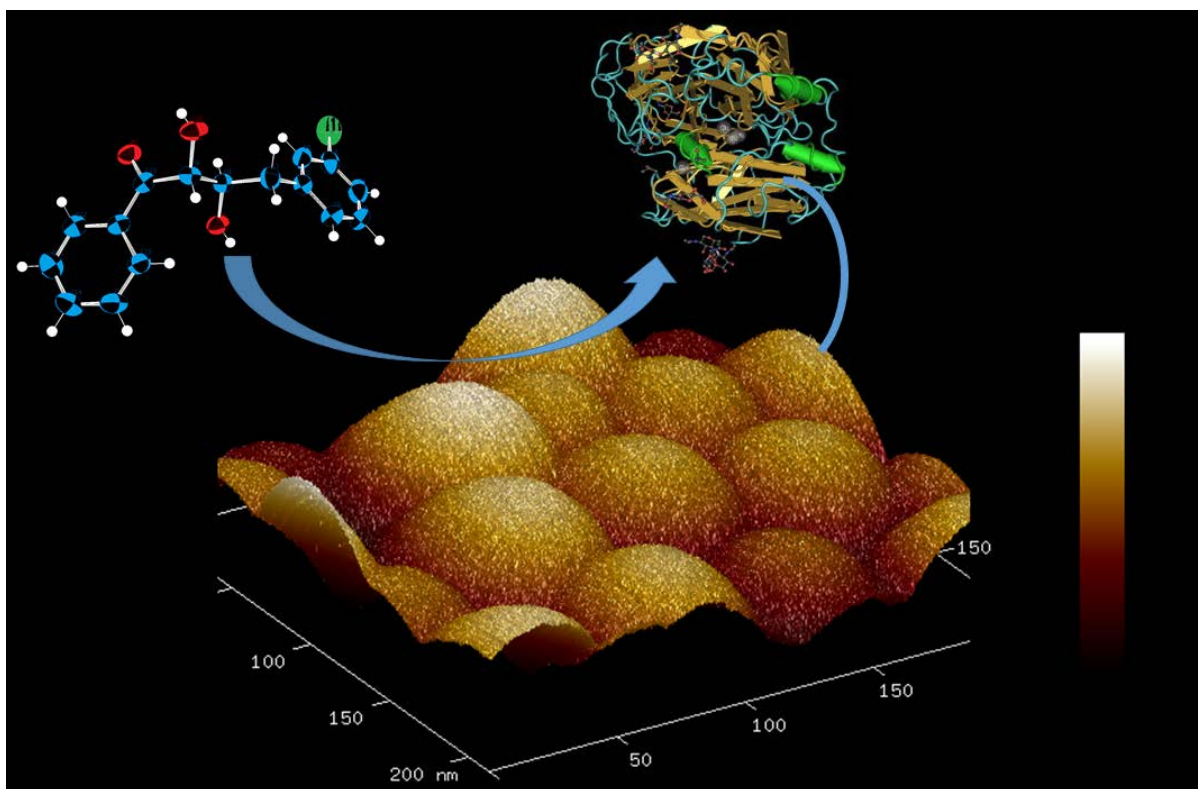




SLU The Chemical Side of SLU IV

August 21-23 2019, Lecture Hall Audhumbla, VHC, Uppsala



Conference PROGRAM

Program at a glance

Date/Time	August 21st	August 22nd	August 23rd	
09.00-09.30		Marja Lamoree Environmental Science	Bjarne Holmbom Biobased materials Sustainability	
09.30-09.45		Lutz Ahrens	Geoffrey Daniel	
09.45-10.00		Frank Menger	Torgny Mossing	
10.00-10.15		Anna-Karin Dahlberg	Mehrdad Arshadi	
10.15-10.30		Ove Jonsson	Gulaim Seisenbaeva	
10.30-11.00		Coffee break	Coffee break	
11.00-11.15		Geert Cornelis	Angela Gronenborn	
11.15-11.30		Marius Tuyshime	Chemical structure	
11.30-11.45		Jani Tuoriniemi	Frida Wende	
11.45-12.00		Robert Glinwood	Ingmar Persson	
12.00-12.15		Frauke Ecke	Fredric Svensson	
12.15-12.30		Tomas Brodin	Vadim Kessler	
12.30-13.00		Registration	Lunch	Concluding remarks
13.00-13.15		Short Intro		
13.15-13.30	Marie Bengtsson Chemical biology			
13.30-13.45				
13.45-14.00	Tatiana Agback	Taco Nicolai		
14.00-14.15	Peter Agback	Food & Nutrition		
14.15-14.30	Miao Wu	Anja Herneke		
14.30-14.45	Thomas Linder	Klara Nilsson		
14.45-15.00	Jonas Ohlsson	Hasitha Priyashantha		
15.00-15.15	Coffee break	Antonio Capezza		
15.15-15.30		Mikolaj Chmielarz		
15.30-15.45	Derek Logan	Nigar Ahmadova		
15.45-16.00	Struct & Mol Biology			
16.00-16.15	Hanna Röhnisch	Poster Session and coffee		
16.15-16.30	Ali Moazzami			
16.30-16.45	Johnny Östman			
16.45-17.00	Armando Garcia			
17.00-17.15	Volkmar Passoth			
17.15-17.30				
17.30-18.30	Instrument demo and refreshments		Exhibition	
18.30-21.30			Conference Dinner	

Detailed program

August 21 afternoon

12.30-13.00	Registration
13.00-13.15	Short Intro
13.15-13.45	Marie Bengtsson The Scent of the Fly Chemical Biology Session Chair: Ingmar Persson
13.45-14.00	Tatiana Agback Coupling of Dynamics and allostery in the apo MALT1 Paracaspase
14.00-14.15	Peter Agback A New look on Induced Selectivity in large IDP's and its complexes
14.15-14.30	Miao Wu Manganese and iron deficiency in Southern Ocean Phaeocystis antarctica populations revealed through taxon-specific protein indicators
14.30-14.45	Thomas Linder "Chemicals in my food? Yes please!" Studying assimilation pathways in yeasts
14.45-15.00	Jonas Ohlsson Biomass recalcitrance in willow under two biological conversion paradigms
15.00-15.30	Coffee break
15.30-16.00	Derek Logan Analysis of protein-ligand hydrogen bonding patterns in galectin-3 by neutron crystallography guides drug design Structural & Molecular Biology Session Chair: Mats Sandgren
16.00-16.15	Hanna Eriksson Röhnisch An Automated Quantification Algorithm for ¹ H NMR-based metabolomics of human plasma
16.15-16.30	Ali Moazzami Metabolic profile and the risk of developing prostate cancer. A nested-case control study
16.30-16.45	Johnny Östman Association of the metabolome with health parameters and food intake in a prostate cancer cohort; an untargeted metabolomics study
16.45-17.00	Armando Garcia Isothermal microcalorimetry for rapid viability assessment of freeze-dried Lactobacillus reuteri
17.00-17.15	Volkmar Passoth Microbial conversion of lignocellulose to food and chemicals
17.30-20.00	Instrument demo and refreshments

August 22nd morning

09.00-09.30	Marja Lamoree High Throughput Effect-Directed Analysis for the identification of Chemicals of Emerging Concern Environmental Science Session Chair: Karin Wiberg
09.30-09.45	Lutz Ahrens Per- and Polyfluoroalkyl Substances (PFASs) in the Aquatic Environment: Should we be concerned?
09.45-10.00	Frank Menger Suspect screening: Identifying organic micropollutants in the aquatic environment
10.00-10.15	Anna-Karin Dahlberg Dispersal of persistent organic pollutants (POPs) from wood fiber contaminated sediments of industrial origin
10.15-10.30	Ove Jonsson Sampling High and Low - From Skylarks to Groundwater
10.30-11.00	Coffee break
11.00-11.15	Geert Cornelis Forward predictions of particle fate in soils
11.15-11.30	Marius Tuyshime Effect of postglacial weathering on phosphorus speciation in acid forest soils
11.30-11.45	Jani Tuoriniemi Measuring the number concentrations and sizes of nanoparticles in soils and other solid environmental matrices by laser ablation single particle ICPMS
11.45-12.00	Robert Glinwood Analysis of plant volatile emission-linking chemistry and behavior
12.00-12.15	Frauke Ecke Spatio-temporal variation of metals and organic contaminants in Europe's most common mammal, the bank vole (<i>Myodes glareolus</i>)
12.15-12.30	Thomas Brodin Bridging the gap between lab and field ecotoxicology
12.30-13.45	Lunch Ulls Restaurant

August 22nd afternoon

13.45-14.15	Taco Nicolai Aggregation and Gelation of Globular Food Proteins Food & Nutrition Session Chair: Maud Langton
14.15-14.30	Anja Herneke Next generation textured foodstuff
14.30-14.45	Klara Nilsson Integral valorisation of faba-bean molecular compounds into nutritional texturized food products
14.45-15.00	Hasitha Priyashantha Use of near-infrared hyperspectral (NIR-HS) imaging to visualize and model the maturity of long-ripened hard cheeses
15.00-15.15	Antonio Capezza Novel Absorbent Materials Obtained From Plant Proteins
15.15-15.30	Mikolaj Chmielarz FT-NIR – A tool for rapid intracellular lipid quantification in oleaginous yeast
15.30-15.45	Nigar Ahmadova Presentation from Bergman Labora
15.45-16.00	
16.00-16.15	
16.15-16.30	Poster Session and coffee
16.30-16.45	
16.45-17.00	Exhibition
17.00-17.15	
17.15-17.30	
17.30-18.30	
18.30-21.30	Conference Dinner, Matverkstan

August 23rd morning

09.00-09.30	Bjarne Holmbom Wood Chemistry – Challenges and Opportunities during 50 years Biobased materials, Sustainability Session Chair: Vadim Kessler
09.30-09.45	Geoffrey Daniel Fungal Degradation of Thermal-modified Wood
09.45-10.00	Torgny Mossing Applications of tannins extracted from bark in pulp and paper industry
10.00-10.15	Mehrdad Arshadi Analysis of extractives in coniferous tree fractions
10.15-10.30	Gulaim Seisenbaeva Hybrid organic-inorganic materials as functional adsorbents
10.30-11.00	Coffee break
11.00-11.30	Angela Gronenborn The awesome power of Fluorine NMR – ligand binding, PREs and other applications Chemical structure Session Chair: Corine Sandström
11.15-11.45	Frida Wende 1D NMR methods for analysis of cross-linking properties in hyaluronan hydrogels
11.45-12.00	Ingmar Persson Coordination Chemistry of the Solvated Copper(II) Ion in a Series of Solvents
12.00-12.15	Fredric Svensson Mixed-ligand titanium alkoxides – stability, precursors for complex oxide materials and use as models for interaction between titania and bioactive molecules
12.15-12.30	Vadim Kessler Interactions of metal oxide nanoparticles and proteins – structural insights and application perspectives
12.30-13.00	Concluding remarks