

2018 PhD Symposium

November 8th 2018, Comwell Borupgaard

Program

8:30	Registration and coffee with bread at Comwell Borupgaard
9:00	Welcome by Head of Department, Erling H. Stenby
9:15	Before we start, Farnoosh Goodarzi, PhD ChemClub

Session 1	<i>[Chair: Mathias Thor Nielsen]</i>
9:20 - 9:40	Niklas Rosendal Bennedsen "Study of reaction kinetics for α -alkylation using a palladium heterogeneous catalyst"
9:40 - 10:00	Vanessa Baj "Development of Receptors for Aqueous Carbohydrate Recognition"
10:00 - 10:20	Fei Shen "Freestanding and flexible graphene paper supported enzymatic biofuel cell"
10:20 - 10:40	Marta López Vidal "Development of quantum chemical methods to model X-ray absorption spectroscopy"
10:40 - 11:00	Coffee Break

Session 2	<i>[Chair: Christin Pohl]</i>
11:00 - 11:30	Wilfredo Colón <i>Professor and Head of Department Dept. of Chemistry and Chemical Biology, Rensselaer Polytechnic Institute</i> "Development of Methods for Investigating Hyperstable Proteins: Implications for Biotechnology"
11:30 - 11:50	Fabrizio Monda "Zinc catalyzed acceptorless dehydrogenative transformations of alcohols"
11:50 - 12:10	Sowmya Indrakumar "Probing protein-exciipient interaction hotspots and its relevance in formulation"
12:10 - 13:10	Lunch

Session 3	<i>[Chair: Alexandre Paolo Voute]</i>
13:10 - 13:40	<p>Jacob T. Shelley <i>Professor</i> <i>Dept. of Chemistry and Chemical Biology, Rensselaer Polytechnic Institute</i></p> <p>“Ambient Desorption/Ionization, Small Mass Spectrometers, and the Future of Analytical Chemistry”</p>
13:40 - 14:00	<p>Xianyi Cao “Flexible solid-state supercapacitors based on tussock-like metal oxide nanowire arrays”</p>
14:00 - 14:20	<p>Laura Voigt “The exfoliation of novel 2D metal-organic frameworks exhibiting in-plane conductivity and ferrimagnetism”</p>
14:20 - 14:40	<p>Maria Taskova “Fluorescent oligonucleotides with bis (prop-2-yn-1-yloxy) butane-1,3-diol scaffold allow for rapid detection of disease associated nucleic acids”</p>
14:40 - 15:20	<p>Coffee Break Photo-shoot and Coffee Break</p>

Session 4	<i>[Chair: Alina Kulakova]</i>
15:20 - 15:40	<p>Zhiyong Zheng “Electrocatalytic oxidation of $K_4[Fe(CN)_6]$ by metal-reducing bacterium <i>Shewanella oneidensis</i> MR-1”</p>
15:40 - 16:00	<p>Samuel Gilbert Elliot “Tin-catalysed conversion of carbohydrates to α-hydroxy esters”</p>
16:00 - 16:20	<p>Sujata Mahapatra “Interaction studies of monoclonal antibodies at high concentrations”</p>

Poster Session	
16:20 - 18:00	<p>Poster session with drinks</p> <p>16:20-16:50 Meet the author (odd numbered posters) 16:50-17:20 Meet the author (even numbered posters) 17:20-18:00 Free discussion</p>

Dinner	
18:30	<p>Conference dinner</p> <p>Announcement of the winner of the poster prize Announcement of the winner of the best oral prize Announcement of the winner of most correct answers in the oral quiz</p>

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Titles poster session

1. **Alexandre Paolo Voute**
"Detection and control of bimolecular reactions from preformed weakly bound clusters"
2. **Alina Kulakova**
"Stability studies on a fusion protein"
3. **Bo Jessen**
"Catalytic conversion of Methyl Vinyl Glycolate into new bio-based building blocks"
4. **Christin Pohl**
"Structural characterization and stability studies of single domain protein drugs"
5. **Daniel Hansen**
"Chemical 3D mapping of polymer composite fillers"
6. **David Benjamin Christensen**
"Synthesis of mesoporous carbon materials as supports in heterogeneous catalysis"
7. **Dmytro Mihin**
"Hydrogen bond librational motion of water-solute complexes: A far-infrared probe for the micro-solvation of organic molecules"
8. **Fabrizio Bottaro**
"Cobalt-Catalyzed Acceptorless Alcohol Dehydrogenation"
9. **Farnoosh Goodarzi**
"Synthesis of metal nanoparticles encapsulated in zeolite frameworks for selective catalysis"
10. **Fatemeh Keshavarzi**
"Effect of film former compounds on sunscreen film formation"
11. **Giorgia Masciotta**
"Template-directed enzymatic synthesis of alpha-glucans"
12. **Huili Cao**
"Shape-controlled synthesis of Zinc Vanadate and its supercapacitor performance"
13. **Irene Tosi**
"The Process for the Conversion of Sugars Using Lewis Acidic Zeolites"
14. **Jakob Maximilian Marinkovic**
"Hydroformylation process intensification with a new reactor-separation concept"
15. **Jing Tang**
"Graphene- sulfite oxidase bioanodes for enzymatic biofuel cells"
16. **Johannes Eiler**
"Structural assessment of natural filler/polymer composites utilising their water diffusion coefficient"
17. **Junhao Huang**
"Fabrication of ultrathin film based on electrostatic interactions and covalent bonding"
18. **Koosha Ehtiati**
"Synthesis and Characterization of Poly(acrylic acid) Brushes: The Effect of Molecular Weight and Grafting Density on Brush Properties"
19. **Line Abildgaard Ryberg**
"Albumin's complex formation with acylated insulin analogues studied with small-angle X-ray scattering and molecular dynamics"

20. **Mathias Thor Nielsen**
"Can polynuclear metal clusters behave as "extended" organometallic complexes"
21. **Mike Steffen Bernhard Jørgensen**
"Acceptorless alcohol hydrogenation and metalloorganic chemistry"
22. **Mingli Liang**
"Photodetector based on MAPbBr₃/N-rGO hybrids showing an enhanced performance"
23. **Mostafa Abedi**
"Excited-State Solvation Structure of Transition Metal Complexes from Molecular Dynamics Simulations"
24. **Natalia Teresa Skawinska**
"Allosteric regulation of human tryptophan hydroxylase isoform 2"
25. **Nikolaj Sten Andersen**
"Synthesis of diverse and three-dimensional fluorinated fragments for fragment-based drug discovery"
26. **Qinying Pan**
"Designing Covalent Organic Frameworks for Solar Energy Conversion"
27. **Rouzana Pulikkal Thumbayil**
"Highly dispersed heterogeneous nanocatalysts for the synthesis of methyl isobutyl ketone"
28. **Simone Vestermann Samuelson**
"Manganese-catalyzed dehydrogenation of alcohols"
29. **Sofie Nitsche Gottfredsen**
"Bulk and trace elements" in produced water from the Danish North Sea: The chemical analysis and the trends in the retrieved data"
30. **Stefano Tagliaferri**
"Gas Injection in Valdemar Field"
31. **Tao Jiang**
"Layer-by-layer assembly of PPEGMEMA/alginate multilayers"
32. **Ulf Molich**
"X-ray Absorption Spectroscopy Studies of Copper and Zinc in Amyloid-β Related to Alzheimer's Disease"
33. **Wei Huang**
"Microwave-assisted morphology evolution of iron doped birnessite hierarchical nanosheets"