

Invitation

DTU Chemistry
PhD School Symposium

Dear Collaborators and Alumni

I am pleased to invite you to DTU Chemistry's Annual PhD School Symposium in collaboration with the PhD ChemClub. The symposium is a great opportunity for you to gain insight into the PhD students' scientific work from different research groups and to strengthen the relationship with DTU Chemistry. The program will include oral and poster presentations by PhD students and a lecture from an external speaker.

We look forward to see you.

*Erling H. Stenby
Head of Department, Professor*

When: 13 November 2017

Where: **Comwell Holte**, Kongevejen 495 A, 2840 Holte

Registration: You must register before **27 October 2017** to Coordinator Maria Bundgaard, mabu@kemi.dtu.dk

Participation is free of charge. However, the registration is binding.

2017 PhD Symposium

November 13th 2017, Comwell Holte

Program

8:30	Registration and coffee with bread at Comwell Holte
9:00	Welcome by Head of Department, Erling H. Stenby
9:15	Before we start, Farnoosh Goodarzi, PhD ChemClub
Session 1	Chair: Alina Kulakova
9:20 - 9:40	Line Abildgaard Ryberg "Stabilization of Protein Drugs by Recombinant Human Albumin"
9:40 - 10:00	David Benjamin Christensen "Synthesis of Heterogeneous Base Metal Catalysts for C-H Functionalization"
10:00-10:20	Irene Tosi "Zeolite Catalysts for the Selective Conversion of Sugars"
10:20-10:40	Nikolaj Sten Andersen "Synthesis of Diverse and Three-Dimensional Fluorinated Fragments Fragment-Based Drug Discovery"
10:40-11:00	Coffee Break
Session 2	Chair: Alina Kulakova
11:00-11:40	Thomas Eiland Nielsen (Director of Protein and Peptide Chemistry, Novo Nordisk A/S) "Modified Proteins and Peptides for Biopharmaceutical Drug Development"
11:40-12:00	Farnoosh Goodarzi "Synthesis of Nickel Nanoparticles Encapsulated in Zeolite Framework"
12:00-12:20	Ulf Molich "X-ray Absorption Spectroscopy Studies of Copper and Zinc in Amyloid- β Related to Alzheimer's Disease"
12:20-13:20	Lunch

Session 3

Chair: **Farnoosh Goodarzi**

13:20-13:40

Mats Simmermacher

“Time-resolved X-ray Scattering by Non-Stationary States in Atoms and Molecules”

13:40-14:00

Simone Louise Zacho

“Novel Heterogeneous Catalysts with Nano-Engineered Porosity”

14:00-14:20

Junhao Huang

“Effect of pH on the Adsorption of Highly Charged Cationic Polyelectrolytes Studied by AFM Colloidal Probe and QCM-D”

14:20-14:40

Alina Kulakova

“Chemical Stability Studies on Selected Protein Therapeutics Using Isothermal Chemical Denaturation Technique”

14:40-15:20

Coffee Break

Photo-shoot and Coffee Break

Session 4

Chair: **Simone Louise Zacho**

15:20-15:40

Mostafa Abedi

“Effect of Carboxyl Functionalization on the Lifetime Extension of a Fe(II)-N-Heterocyclic Carbene Complex”

15:40-16:00

Emilie Nørmølle Underlin

“Synthesis of Arabinoxylan Fragments”

16:00-16:20

Jakob Maximilian Marinkovic

“ROMEIO: A New Reactor Concept for Hydroformylation Process Intensification”

Poster Session

16:20-18:00

Poster session with drinks

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

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

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HALDOR TOPSOE 



Titles poster session

1. **Bo Jessen**
"Development of Catalytic Reactions to Prepare Bio-Based Polymer Building Blocks"
2. **Christin Pohl**
"Characterization of Protein Solution Structure Using Light Scattering Techniques and SAXS"
3. **Daniel Hansen**
"Development of Polymer Skin Adhesives with Controlled Moisture and Sweat Removal Capacity"
4. **Dmytro Mihin**
"THz Absorption Spectroscopy of Weakly Bound Cluster Molecules in Solid Para-Hydrogen: A Sensitive Probe of Intermolecular Interactions"
5. **Esben Folger Thomas**
"Deracemization via Shaped-Pulse Dynamic Stark Control"
6. **Fabrizio Monda**
"Acceptorless Dehydrogenative Transformations of Alcohols Catalyzed by Cheap Metal Catalysts"
7. **Fabrizio Bottaro**
"Metal-Catalyzed Acceptorless Alcohol Dehydrogenation and Decarbonylation"
8. **Fei Shen**
"Engineering Three-Dimensional Graphene Foam as a Freestanding Support for Immobilization of Laccase"
9. **Gianluca Levi**
"Ultrafast Direct Dynamics Simulations of Transition Metal Complexes for Solar Energy Conversion"
10. **Jing Tang**
"Graphene-Glucose Oxidase Bioanodes for Enzymatic Biofuel Cells"
11. **Kristoffer Hauberg Rasmussen**
"Zeolites – a versatile support material for enhanced catalytic activity"
12. **Laura Voigt**
"Advancing 2D Materials Through MOF-Chemistry Engineering"
13. **Natalia Teresa Skawinska**
"Allosteric Regulation of Human Tryptophan Hydroxylase Isoform 2"
14. **Niklas Rosendal Bennedsen**
"Encapsulated cobalt/nickel nanoparticle catalysts for hydrosilylation"
15. **Simone Vestermann Samuelsen**
"Manganese-Catalyzed Dehydrogenative Synthesis of Imine"
16. **Sowmya Indrakumar**
"Prediction of Relative Free Energy Binding of Excipients to Plectasin"
17. **Suajata Mahapatra**
"Interactions and Stabilities Studies of PIPPI Proteins"
18. **Tao Jiang**
"Surface Grafted Thermo-Responsive Hydrogel"
19. **Vanessa Baj**
"Development of Receptors for Aqueous Carbohydrate Recognition"
20. **Xianyi Cao**
"Flexible and Free-Standing Paper Based Capacitors Using Multi-Dimensional Carbon Materials"