

## 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 an invited plenary lecture. To close the event there will be a Symposium dinner.*

*Erling H. Stenby  
Head of Department, Professor*

- When:** 5 November 2015
- Where:** **Sinatur Hotel Frederiksdal**, Frederiksdalsvej 360, 2800 Kgs. Lyngby
- Price:** 180 Euro, exclusive conference dinner  
260 Euro, inclusive conference dinner
- Registration:** You must register before **25 October 2015** to Coordinator Mette Hansen, [meh@kemi.dtu.dk](mailto:meh@kemi.dtu.dk)
- Payment:** The registration fee should be paid to: Den Danske Bank, Reg. No. 4183, Acc. No. 4263972007. Remember to write: DTU Kemi ph.d.-symposium, project 40500-2694-14
- Transfer from outside Denmark:  
IBAN no: DK 57 3000 4263 9720 07  
S.W.I.F.T. code: DABADKKK*
- Payment must be received no later than: 30 October 2015.*

## 2015 PhD Symposium

*November 5<sup>th</sup> 2015, Sinatur Hotel Frederiksdal*

### Programme

- 8:30 Registration and coffee with bread at Hotel Frederiksdal
- 9:00 Welcome by Head of Department, Erling H. Stenby
- 9:15 Before we start, Amalie Elise Modvig, PhD ChemClub
- Session 1** Chair: **Amalie Elise Modvig**
- 9:20 - 9:40 **Mayra Melián Rodríguez**  
“Heterogeneous catalysts for the conversion of lignin and lignin model compounds”
- 9:40 - 10:00 **Gyrithe Lanz**  
“Method Development in Glycosylation Chemistry”
- 10:00-10:20 **Anita Godiksen**  
“In-situ EPR Investigations of Copper Substituted Zeolites”
- 10:20-10:40 **Farhad Varzandeh**  
“Comparison of GERG-2008 and Soave-BWR in PVT modeling and thermal properties calculation of natural gas systems”
- 10:40-11:00 **Coffee Break**
- Session 2** Chair: **Anita Godiksen**
- 11:00-11:20 **Jacob Oskar Abildstrøm**  
“Polymer support for heterogeneous catalysis”
- 11:20-11:40 **Pernille Sønderby**  
“Interaction and stability of Human Serum Albumin – a SAXS STUDY”

11:40-12:00	<b>Mats Simmermacher</b> “Time-Resolved X-Ray Diffraction: A close look at Theory”
12:00-13:00	<b>Lunch</b>
<b>Session 3</b>	Chair: <b>Jacob Oskar Abildstrøm</b>
13:00-13:20	<b>Søren Tolborg</b> “New Insights in the Catalytic Conversion of Sugars”
13:20-13:40	<b>Gunnar Olsen</b> “Azido-RGO as a universal platform for RGO based sensors”
13:40-14:00	<b>Agata Gallas</b> “Au encapsulation in zeolites”
14:00-14:40	<b>Coffee Break</b> Photo-shoot and Coffee Break
<b>Session 4</b>	Chair: <b>Ana Rita Freitas Colaço</b>
14:40-15:00	<b>Amalie Elise Modvig</b> “Selective oxidation of glycolaldehyde”
15:00-15:20	<b>Lasse Bo Nielsen</b> “Development of the vanadium-catalyzed deoxydehydration of polyols”
15:20-16:00	<b>Professor Flemming Besenbacher</b> (Chairman of the Carlsberg Foundation) “Future Perspectives for New PhD Candidates”
<b>Poster Session</b>	
16:15-18:00	Poster session with drinks  16:15-16:45 Meet the author (odd numbered posters) 16:45-17:15 Meet the author (even numbered posters) 17:15-18:00 Free discussion
<b>Dinner</b>	
18:30	Conference dinner (Lunchroom)  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

## Titles poster session

1. **Enzo Mancuso**  
"Synthesis of Oligosaccharide Fragments of Rhamnogalacturonan-II"
2. **Nedjeljko Seselj**  
"Graphene-supported Au-Pt core-shell electrocatalyst for fuel cells"
3. **Kasper Tidemand**  
"Characterization and Stabilization of the Regulatory and Catalytic Domains of Human Tryptophan Hydroxylase 2"
4. **Christos Tsanas**  
"Simultaneous Chemical and Physical Equilibrium"
5. **Gianluca Levi**  
"Ultrafast structural dynamics of a photocatalytic model system"
6. **Arnab Halder**  
"Electroactive polymer reduced graphene oxide architecture for biosensing applications"
7. **Dominika Niedbal**  
"Halide-mediated Regioselective 6-O-glycosylation of Unprotected Carbohydrates"
8. **Andreas Ahlburg**  
"Manganese-enhanced Dimethylzinc-Initiated Radical Coupling of  $\beta$ -Bromostyrenes with Ethers and -Tertiary Amines"
9. **Diego Rolando Sandoval Lemus**  
"Adsorption in shale"
10. **Daniel Bo Larsen**  
"Mechanistic investigation of the molybdate-catalysed transfer hydrodeoxygenation of benzylic alcohols"
11. **Ana Rita Freitas Colaço**  
"NAD<sup>+</sup> and NADH effect on sirtuin deacylation - an *in silico* study"
12. **Giuseppe Antonacci**  
"Manganese cross-coupling reactions"
13. **Minwei Zhang**  
"Self-catalytic formation PB@AuNPs for studying size effect electrochemistry catalytic reduction H<sub>2</sub>O<sub>2</sub>"
14. **Gokce Engudar**  
"Remote loading of CT contrast agent into liposome"
15. **Arun Kumar Somavarapu**  
"Direct correlation of cell toxicities against structural ensembles of genetic Amyloid beta mutants"

16. **Duncan Patersen**  
“Mixing rules for heavy oil related systems”
17. **Saeed Zajforoushan**  
“Hofmeister Effect on Thermo-responsive Poly(propylene glycol)”
18. **Ignacio Martinez Segundo**  
“Synthesis of isotopically labeled 2-MHG for biochemical investigation”
19. **Gauthier Scavee**  
“Synthesis of 2-mono-(10,16-dihydroxyhexadecanoyl)glycerol”
20. **Andrea Mazziotta**  
“Ruthenium Catalyzed dehydro-decarbonylation of primary alcohol”
21. **Zhenyou Gui**  
“Oxidation of HMF to FDCA”
22. **Gunnar Olsen**  
“18-Crown[6]ether functionalized reduced graphene oxide for membrane-free ion selective sensing”