DTU Chemistry
Department of Chemistry

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:	*20 November 2014*
Where:	***Hotel Frederiksdal,*** *Frederiksdalsvej 360, 2800 Kgs. Lyngby*
Price:	*180 Euro, exclusive conference dinner* *260 Euro, inclusive conference dinner*
Registration:	*You must register before* ***31 October 2014*** *to PhD Administrator Mette Hansen, 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: 10 November 2014.*

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DTU Chemistry
Department of Chemistry

2014 PhD Symposium

20 November 2014, Hotel Frederiksdal

Program

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, Jorge Peiro, PhD ChemClub
Session 1	
9:20-10:00	"The role of organic chemistry in enzyme development at Novozymes" (*Research Scientist Rune Nygaard Monrad, Novozymes*)
10:00-10:20	"Hierarchical zeolites prepared by In situ generation of carbon template" (*Jacob Oskar Abildstrøm*)
10:20-10:40	"Combining SAXS with Rosetta for Identification of Native-like Protein Complexes" (*Pernille Sønderby*)
10:40-11:00	Break
Session 2	
11:00-11:20	"Bio-fuel synthesis using solid-acid catalysts" (*Raju Poreddy*)
11:20-11:40	"The Influence of Tin on the Synthesis of the Sn-Beta Zeolite" (*Søren Tolborg*)
11:40-12:00	"A Modular Approach to Chiral Organocatalysts for the Asymmetric Pictet-Spengler Reaction" (*Ragnhild Gaard Ohm*)
Lunch	
12:00-13:00	Lunch

Session 3

13:00-13:20	"Aerobic oxidation of veratryl alcohol to veratraldehyde with heterogeneous ruthenium catalysts" (*Mayra Melián Rodriguez*)
13:20-13:40	"Synthesis and evaluation of new substrates for glucuronoyl esterase" (*Clotilde d'Errico*)
13:40-14:00	"Ionic Liquid as an Attractive and Tunable Reaction Media in Catalysis" (*Santosh Govind Khokarale*)

Coffee Break

14:00-14:40	Photo-shoot and Coffee Break

Session 4

14:40-15:00	"*Cis-trans* Amide-bond Isomerism in Peptoids: Stereoelectronic Effects in Backbone and Side Chains" (*Jens Engel-Andreasen*)
15:00-15:20	"THz Spectroscopy of Weakly Bound Solvent-Water Cluster Molecules" (*Jonas Andersen*)
15:20-15:40	"Epoxidation of propene using methyltrioxorhenium and ionic liquids" (*Helene Kolding*)

Poster Session

15:40-18:00	Poster session with drinks Since the PhD students want to see each other's work we have made this schedule: 15:40-16:30 Meet the author (odd numbered posters) 16:30-17:20 Meet the author (even numbered posters) 17:20-18:00 Free discussion

Dinner

18:00-20:30	Conference dinner 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) “Phase envelope calculation for multicomponent mixtures with capillary pressure (Vapor-Liquid equilibria in confined spaces”
(*Diego R. Sandoval Lemus*)

2) “Structural Information from Residual Dipolar Couplings”
(*Casper Hoeck*)

3) “Towards the synthesis of carrageenans oligosaccharides”
(*Christine Kinnaert*)

4) “Regioselective glycosylations with unprotected carbohydrates”
(*Dominika Niedbal*)

5) “Novel 4-Component Reaction for the Synthesis of Boron Heterocyclic Scaffolds”
(*Mette Terp Petersen*)

6) “Chemical Synthesis of Arabinoxylans“
(*Maximilian Felix Böhm*)

7) “Manganese catalyzed radical formation of styryl derivatives”
(*Andreas Ahlburg*)

8) “Cleavage of carbon-carbon bond in carbonyl compounds with hydroxides”
(*Andrea Mazziotta*)

9) “Synthesis of Carboxylic Acids from Primary Alcohols and Hydroxide Catalyzed by a Ruthenium N-Heterocyclic Carbene Complex”
(*Carola Santilli*)

10) “Investigation of substrate specificity of xylan acetyl esterase”
(*Enzo Mancuso*)

11) “PVT Modeling of Reservoir Fluids using Non-cubic EoS”
(*Farhad Varzandeh*)

12) “Metal Catalysts for the Transformation of Biomass into High-value Chemicals”
(*Lasse Bo Nielsen*)

13) “Manganese catalysed cross coupling reactions”
(*Giuseppe Antonacci*)

14) “Oxidative catalytic upgrading of carbohydrates and derivatives from biomass”
(*Amalie Elise Modvig*)

15) “An innovative coupling method for the synthesis of β-1,4 thiotetraxylan”
(*Beatrice Bonora*)

16) “Synthesis and development of novel CT-contrast agents for liposomal formulation”
(*Henrik Schaarup-Jensen*)

17) “Nanostructured and Free-standing Graphene Paper Sensors for Ultrasensitive Monitoring of hydrogen peroxide”
(*Minwei Zhang*)

18) “Transglycosylases and Alternative Oligosaccharide Linker to BSA”
(*Mathilde Daugaard*)

19) “Comparison of Mixing Rules for Thermodynamic Modelling of Asymmetric Systems with Water”
(*Duncan Paterson*)

20) “Solid-Phase Synthesis of Doxorubicin Derivatives: Towards Cell-Based On-Bead Screening”
(*Remi J. T. Mikkelsen*)

21) “Towards the total synthesis of (+)-Sieboldine A”
(*Lasse Bohn Olsen*)

22) “Metal-Directed Glycosylation with Unprotected Carbohydrates”
(*Gyrithe Lanz*)

23) “Oxidation of Amines using Ruthenium Oxide catalysts”
(*Emily Corker*)

24) “A photolabile protecting group for the synthesis of biologically active hydroxamic acids”
(*Kim T. Mortensen*)

25) “Bioengineering Functionalization of Graphene for Sensor Applications”
(*Arnab Halder*)

26) “Chemical Production of Graphene Catalysts for Electrochemical Energy Conversion”
(*Nedjeljko Seselj*)

27) NOx absorption and oxidation in ionic liquids
(*Peter Langelund Thomassen*)