

# KBC-Days 2011

Wednesday, 9 November 2011

- 13.15-14.15 Session 5**  
Chairperson: Richard Bindler  
**News from the KBC infrastructures (I)**
- 13.15-13.30 Biochemical Imaging Centre Umeå**  
Richard Lundmark  
*Dept. Medical Biochemistry and Biophysics*
- 13.30-13.45 NMR**  
Jürgen Schleucher  
*Dept. of Chemistry*
- 13.45-14.00 The Laboratories for Chemical Biology Umeå LCBU**  
Per-Anders Enquist  
*Dept. of Chemistry*
- 14.00-14.30 The Protein Production Platform; and Brighter, faster and more accurate - the new high brilliance X-ray system at KBC**  
Uwe Sauer  
*Dept. of Chemistry*
- 14.30-15.00 Coffee break**
- 15.00 - 16.00 Session 6**  
Chairperson: Göran Samuelsson  
**News from infrastructures (II) and Lab visits**
- 15.00-15.20 Umeå Marine Sciences Centre UMF**  
Ulf Båmstedt  
*Dept. of Ecology and Environmental Science (EMG)*
- 15.20-15.40 MAX-lab and the MAX IV project - A Swedish national user facility**  
Franz Hennies  
*MAX IV Laboratory, Lund*
- 15.40-16.00 Soft x-ray in situ spectroscopy at MAX-lab and MAX IV**  
Joachim Schnadt  
*Dept. of Physics, Lund University*
- 16.00 End of the KBC DAYS 2011**



# KBC-Days 2011

## Poster Presentations

### PhD students present their research projects

**Ximena Aguilar**, Chemistry  
**Ina Ehlers**, Medical Biochemistry and Biophysics  
**Maria Espling**, Chemistry  
**Jonathan Fagerström**, Energy Technology and Thermal Process Chemistry  
**Sara Henriksson**, Medical Biochemistry and Biophysics  
**Sabine Kunz**, Umeå Plant Science Centre UPSC  
**Tommy Löfstedt**, Chemistry  
**Melissa Méndez**, Medical Biochemistry and Biophysics  
**Elin Thysell**, Chemistry  
**Mikael Thyrel**, Biomass Technology and Chemistry  
**Johan Vestergren**, Chemistry  
**Marcus Wallgren**, Chemistry  
**Baosheng Wang**, Ecology and Environmental Science

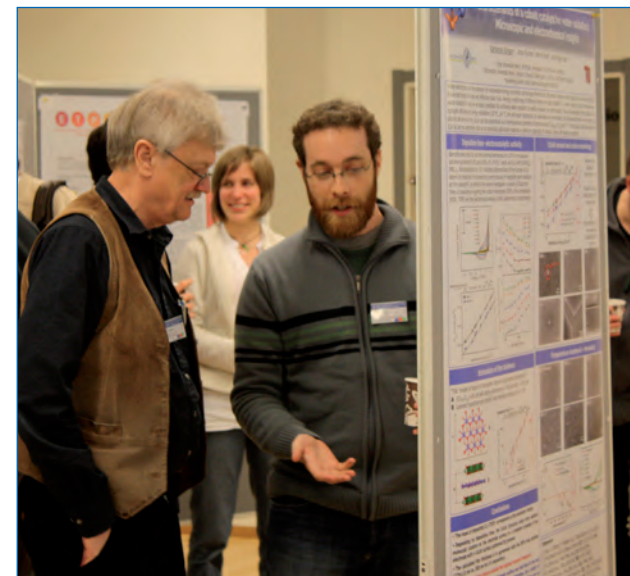
### Participating Organisations

**Umeå Marine Sciences Centre** (Andrea Gillgren)  
**Vindel River Life** (Johanna Gardeström)  
**Radiation Medicine at NUS** (Mattias/Margareta Ögren)  
**Uminova Innovation** (Maria Olofsson)  
**SLU Holding** (Judith Felten)  
**Fisher Scientific/Thermo Fisher Scientific** (Ingmarie Thunberg)

### Contact

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# KBC-DAYS 2011

## Kemiskt Biologiskt Centrum

8 - 9 November  
Stora hörsalen



[www.kbc.umu.se](http://www.kbc.umu.se)

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Tuesday, 8 November 2011

08.30-09.00 **Registration**

09.00-09.15 **Welcome**

Per Gardeström  
*Scientific coordinator of KBC  
UPSC, Dept. of Plant Physiology*

09.15-10.15 **Humans, evolution, and the future of biodiversity**

Andrew Hendry  
*Redpath Museum & Department of Biology,  
McGill University, Montreal, Canada*

10.15-10.45 **Coffee**

10.45-12.15 **Session 1**

**The ERC and SSF Awardees at KBC**  
Chairperson: Per Gardeström

10.45-11.15 **Plant epidermal cell and tissue polarity**

Markus Grebe  
*UPSC, Dept. of Plant Physiology  
ERC Starting Grant*

11.15-11.45 **The buildings blocks of DNA and main tenance of genome stability**

Andrei Chabes  
*Dept. of Medical Biochemistry and Biophysics  
SSF Future Research Leader*

11.45-12.15 **Endocytic membrane remodelling systems**

Richard Lundmark  
*Dept. of Medical Biochemistry and Biophysics  
SSF Future Research Leader and UmU Young Researcher Awardee 2011*

12.15-13.15 **Lunch and poster viewing**

13.15-15.15 **Session 2**

Chairperson: Stefan Björklund

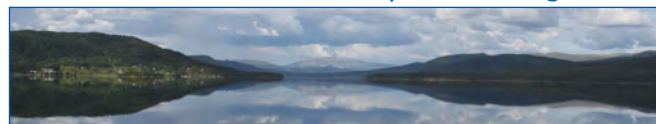
13.15-14.15 **The intrinsic lability of DNA**

Tomas Lindahl  
*Cancer Research UK, London Research Institute, UK*

14.15-14.45 **New research collaborations at KBC funded by Wallenberg foundations**

- The "artificial leaf", Johannes Messinger  
- Colon cancer project, Erik Johansson

14.45-15.15 **Coffee break and poster viewing**



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15.15-17.05 **Session 3**

Chairperson: Marianne Sommarin

15.15-15.30 **The KBC Research School**

Marianne Sommarin  
*Director of KBC Research School  
UPSC, Dept. of Plant Physiology,  
and Deputy Vice-Chancellor, Umeå University*

15.30-15.45 **Computational Life Science Cluster CLiC**

Johan Trygg  
*Dept. of Chemistry*

15.45-17.05 **The UmU Young Researcher Awardees 2011 at KBC (I)**

15.45-16.05 **Terrestrial matter influence aquatic biogeochemistry: implications for lake metabolism and landscape C balances**

Jan Karlsson  
*Dept. of Ecology and Environmental Science (EMG)*

16.05-16.25 **Probing non-covalent interactions in protein-ligand complexes**

Anna Linusson  
*Dept. of Chemistry*

16.25-16.45 **Causes and consequences of the spread of invasive species**

Tomas Brodin  
*Dept. Ecology and Environmental Science (EMG)*

16.45-17.05 **Developing novel organic photovoltaics at Umea University**

David Barbero  
*Dept. of Physics*

17.05-18.30 **Poster Session: The PhD students with midterm exam 2011 present their projects**

18.30- **Dinner and presentation of the Winner of the Poster Award**



# KBC-Days 2011

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09.00-10.00 **Greening Analytical Chemistry**  
Mihkel Koel

*Dept. of Chemistry, Analytical Chemistry  
Tallinn University of Technology, Estonia*

10.00-10.30 **Coffee break and poster viewing**

10.30-11.25 **Session 4  
The UmU Young Researcher Awardees 2011 at KBC (II)**

Chairperson: Thomas Wågberg

10.30-10.50 **The role of nitrogen for productivity and biostructure in unproductive lakes**

Ann-Kristin Bergström  
*Dept. of Ecology and Environmental Science (EMG)*

10.50-11.10 **Combustion aerosols**

Christoffer Boman  
*Energy Technology and Thermal Process Chemistry (ETPC)*

11.10-11.30 **The moving arctic soil**

Jonatan Klaminder  
*Dept. of Ecology and Environmental Science (EMG)*

11.30-12.05 **News from the Strategic Development Areas at KBC**

11.30-11.50 **Catalysis 4 Energy in Bio4Energy**

Jyri-Pekka Mikkola  
*Dept. of Chemistry*

11.50-12.10 **EcoChange**

Agneta Andersson  
*Dept. of Ecology and Environmental Science (EMG)*

12.10-13.15 **Lunch**

