

## Wednesday 12 November

Updates from the strategic research environments at KBC and affiliated Linnaeus and Berzelii Centres

Chair: Göran Samuelsson

- 9.00-9.10 **Bio4Energy**  
**LEIF JÖNSSON**  
Chemistry
- 9.10-9.20 **EcoChange**  
**AGNETA ANDERSSON**  
Ecology and Environmental Science, EMG
- 9.20-9.30 **Trees and Crops for the future, TC4F**  
**OVE NILSSON**  
UPSC, Forest Genetics and Plant Physiology
- 9.30-9.40 **UPSC Berzelii Centre for Forest Biotechnology**  
**OVE NILSSON**  
UPSC, Forest Genetics and Plant Physiology, SLU
- 9.40-10.10 *Coffee break*
- 10.10-10.20 **Umeå Centre for Microbial Research, UCMR, Linnaeus Centre**  
**ÅKE FORSBERG**  
Molecular Biology
- News and highlights at KBC and affiliated departments**  
Chair: Fredrik Almqvist
- Research:*
- 10.20-10.30 **Progress in photosynthesis**  
**JOHANNES MESSINGER**  
Chemistry
- 10.30-10.40 **Molecular geochemistry and ecology processes in control of methylmercury levels in estuarine biota**  
**ERIK BJÖRN**  
Chemistry
- 10.40-10.50 **The brain microcircuits integrating information from several senses**  
**PAOLO MEDINI**  
Integrative Medical Biology
- 10.50-11.00 **Dynamics of epigenetic memory**  
**JAN LARSSON**  
Molecular Biology
- 11.00-11.10 **Understanding the environmental regulation of the annual growth cycle in trees**  
**RISHIKESH BHALERAO**  
UPSC, Forest Genetics and Plant Physiology

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*Teaching:*

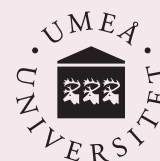
- 11.10-11.20 **Biomedicine programme**  
**ANNA ARNQVIST**  
Medical Biochemistry and Biophysics
- 11.20-11.30 **Programmes at Dept of Ecology and Environmental Science**  
**BENT CHRISTENSEN**  
Ecology and Environmental Science, EMG
- 11.30-11.40 **Engineering Physics Programme**  
**MARIA HAMRIN**  
Physics
- 11.40-11.50 **The medical faculty's prize for best lecturer 2014 (pedagogiska priset)**  
**ANDERS HOFER**  
Medical Biochemistry and Biophysics
- 11.50-13.00 *Lunch*
- Future plans and activities at KBC**  
Chair: Thomas Wågberg
- 13.00-13.10 **Interactive Focus environment at KBC**  
**PER GARDESTRÖM**  
Scientific Coordinator, KBC
- 13.10-13.20 **Reconstruction at the biology building**  
Medical Biology Centre MBC  
**JOHANNA WESTBERG**  
Building Office, UmU
- 13.20-13.30 **3 D printing at the Dept of Physics**  
**KRISTER WIKLUND**  
Physics
- 13.30-13.40 **Icelab camp**  
**MARTIN ROSVALL**  
Physics
- 13.40-14.00 *Short break*
- 14.00-15.00 **Invited Speaker Lecture:**  
Chair: Gunnar Öquist
- Noble and ignoble science: the long fight against fraud and fabrications**  
**SUZANNE SHALE**  
Clearer Thinking and University of Oxford
- 15.00 **Closing of the KBC DAYS 2014**  
**PER GARDESTRÖM**  
Scientific Coordinator of KBC
- 15.00 *Coffee*



# KBC DAYS 2014

## 11-12 November

**Kemiskt Biologiskt Centrum**  
KBC-huset, Stora hörsalen



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

## Tuesday 11 November

- 8.30-9.00 *Registration and poster mounting*
- 9.00-9.15 **Welcome - overview over events 2014**  
**PER GARDESTRÖM**  
*Scientific Coordinator of KBC  
Plant Physiology, UPSC, UmU*
- 9.15-9.45 **National Infrastructures/  
Infrastructures at UmU**  
**MARIANNE SOMMARIN**  
*Deputy Vice-chancellor for research  
Umeå University*
- News from the KBC core facilities  
and platforms**  
*Chair: Per Gardeström*
- 9.45-9.55 **Proteomics Core Facility**  
**GUNNAR WINGSLE**  
*UPSC, Forest Genetics and Plant  
Physiology, SLU*
- 9.55-10.05 **Swedish Metabolomics Centre Umeå**  
**JONAS GULLBERG/THOMAS MORITZ**  
*UPSC, Forest Genetics and Plant  
Physiology, SLU*
- 10.05-10.15 **Swedish National Infrastructure for  
Large-scale and Long-term Experi-  
mentation on Ecosystems, SNILLE**  
**SEBASTIAN DIEHL**  
*Ecology and Environmental Science, EMG*
- 10.15-10.25 **Umeå Core Facility for Electron  
Microscopy, UCEM**  
**LINDA SANDBLAD**  
*Molecular Biology*
- 10.25-11.00 *Coffee break and poster viewing*
- 11.00-11.10 **The Laboratories for Chemical  
Biology Umeå, LCBU**  
**PER-ANDERS ENQUIST**  
*Chemistry*
- 11.10-11.20 **Vibrational Spectroscopy Core Facility**  
**ANDRÁS GORZSÁS**  
*Chemistry*
- 11.20-11.30 **Biochemical Imaging Centre Umeå**  
**IRENE MARTINEZ CARRASCO**  
*Integrative Medical Biology / Medical  
Biochemistry and Biophysics*

## Tuesday 11 November

- 11.30-11.40 **Computational Life Science  
Cluster CliC**  
**JOHAN TRYGG**  
*Chemistry*
- 11.40-11.50 **Protein Expertise Platform**  
**PERNILLA WITTUNG-STAFSHEDE/  
MIKAEL LINDBERG**  
*Chemistry*
- 11.50-12.00 **NIRX**  
**PAUL GELADI**  
*Forest Biomaterials and Technology, SLU*
- 12.00-13.00 *Lunch*
- New faculty members, Wallen-  
berg Fellows and Awardees**  
*Chair: Andrei Chabes*
- 13.00-13.15 **Chemical approaches in infection  
research**  
**CHRISTIAN HEDBERG**  
*Chemistry*
- 13.15-13.30 **Building a new generation of eco-  
toxicological research within the  
KBC-environment**  
**JONATAN KLAMINDER**  
*Ecology and Environmental Science EMG*
- 13.30-13.45 **The role of human mitochondrial  
DNA maintenance in disease**  
**SJOERD WANROOIJ**  
*Medical Biochemistry and Biophysics*
- 13.45-14.00 **The Alpha and Omega of leaf  
senescence**  
**OLIVIER KEECH**  
*UPSC, Plant Physiology, UmU*
- 14.00-14.10 **Flavivirus host pathogen interaction**  
**ANNA ÖVERBY WERNSTEDT**  
*MIMS, Future Research Leader SSF*
- 14.10-14.20 **The vulnerability of a locally endange-  
red seabird to climate change: the  
black guillemot in the Baltic sea region**  
**ANOUSCHKA HOF**  
*Wildlife, Fish, and Environmental Studies, SLU*
- 14.20-14.30 **Conversion of low-value bio-  
materials into biochars for en-  
vironmental applications**  
**STINA JANSSON**  
*Chemistry*

## Tuesday 11 November

- 14.30- 15.00 *Coffee break*
- 15.00-15.10 **Ocean acidification in the  
Bothnian Bay**  
**JENNY ASK**  
*Ecology and Environmental Science, EMG*
- Poster session - midterm PhD stu-  
dents at KBC present their research  
projects**  
*Chair: Linda Pommer*
- 15.10 - 16.00 **part I: Short presentations**  
*2 + 1 minutes each PhD student*
- DANIEL DECKER**  
*UPSC, Plant Physiology, UmU*
- VLADIMIR DOMKIN**  
*Medical Biochemistry and Biophysics*
- CECILIA ENGDahl**  
*Chemistry*
- SHOGHIK HAKOBYAN**  
*Chemistry*
- YANG HUANG**  
*Chemistry*
- MASOUMEH KARIMPOUR**  
*Chemistry*
- MARCUS KLAUS**  
*Ecology and Environmental Science*
- CECILIA LINDGREN**  
*Chemistry*
- ELIN NÄSSTRÖM**  
*Chemistry*
- MAGNUS RUDOLFFSSON**  
*Forest Biomaterials and Technology*
- LOTTA VON SYDOW**  
*Chemistry (only postersession)*
- ERIK STEINVALL**  
*Applied Physics and Electronics*
- LIEM NGUYEN VAN**  
*Chemistry*
- JING WANG**  
*Ecology and Environmental Science*
- 16.00-17.45 **Poster session**
- 18.00 **Dinner and presentation of the Win-  
ner of the KBC Poster Award 2014**