

Thursday 14 November

New Faculty Members at KBC
Chair: Richard Bindler

- 9.00-9.15 RNA Boogie - How RNA moves**
KATJA PETZOLD
Medical Biochemistry and Biophysics
- 9.15-9.30 Origin of bursts in DNA transcription**
LUDVIG LIZANA
Physics
- 9.30-9.45 Optical frequency comb spectroscopy**
ALEKSANDRA FOLTYNOWICZ-MATYBA
Physics, "Ingvar Carlsson awardee 2013"
- 9.45-10.00 The evolution of reproductive isolation**
XAVIER THIBERT-PLANTE
Ecology and Environmental Science
- 10.00-10.15 Perspectives on watershed ecology and biogeochemistry**
RYAN SPONSELLER
Ecology and Environmental Science
- 10.15-10.45 Coffee break and poster viewing**
- Awardees at KBC**
Chairperson: Thomas Wågberg
- 10.45-10.55 Göran Gustafssons Award**
FREDRIK ALMQVIST
Chemistry
- 10.55-11.05 Gunnar Öquist Fellow**
EDOUARD PESQUET
Umeå Plant Science Centre UPSC
- 11.05-11.15 Sven and Ebba-Christina Hagbergs prize**
RICHARD LUNDMARK
Medical Biochemistry and Biophysics
- 11.15-11.25 Evolution as an irreversible process**
Kungl. Skytteanska samfundets pris
FOLMER BOKMA
Ecology and Environmental Science
- 11.25-11.35 Teaching award**
ROLF ZALE
Ecology and Environmental Science
- 11.35-12.35 Lunch**

Thursday 14 November

News from the KBC Infrastructures:
The KBC Core Facilities
Chair: Per Gardeström

- 12.35-12.50 Swedish Metabolomics Centre**
JONAS GULLBERG
Manager
- 12.50-13.05 Laboratories for Chemical Biology Umeå LCBU**
MIKAEL ELOFSSON
- 13.05-13.15 Biochemical Imaging Centre**
RICHARD LUNDMARK
- 13.15-13.30 Umeå Core Facility Electron Microscopy UCEM**
THOMAS WÅGBERG/NIKKI CHENG LEE
- 13.30-13.45 NMR Core Facility - NMR for Life**
GERHARD GRÖBNER/JÜRGEN SCHLEUCHER
- 13.45-14.00 Proteomics Core Facility**
GUNNAR WINGSLE
- 14.00-14.15 Computational Life Science Cluster (CLiC)**
PER STENBERG
- 14.15-14.30 Vibrational Spectroscopy**
ANDRÁS GORZSÁS
- 14.30 Economy of the KBC Infrastructures and closing of the KBC DAYS 2013**
PER GARDESTRÖM
- 14.35 Coffee**

NOTE:

KBC Christmas Party:
6 December
(register in your department)

The KBC CHOIR meets every second Wednesday at 4 pm in the "Glasburen" nearby the cafeteria. Newcomers are always welcome!



KBC DAYS 2013

13-14 November

Kemiskt Biologiskt Centrum
KBC-huset, Stora hörsalen



www.kbc.umu.se

Wednesday 13 November

- 8.30-9.00** *Registration and poster mounting*
- 9.00-9.15** **Welcome**
PER GARDESTRÖM
*Scientific Coordinator of KBC
Plant Physiology, UPSC*
- Examples for successful collaboration at KBC under 2013**
Chair: Fredrik Almqvist
- 9.15-9.35** **Fish become bolder and more gluttonous from drug residue**
TOMAS BRODIN
Ecology and Environmental Science, EMG
- 9.35-9.55** **Structural basis for leading strand synthesis in eukaryotes**
ERIK JOHANSSON
Medical Biochemistry and Biophysics
- 9.55-10.15** **Norway spruce genome**
STEFAN JANSSON
Plant Physiology, UPSC
- 10.15-10.45** *Coffee break and poster viewing*
- New Wallenberg projects and Wallenberg Fellow**
Chair: Andrei Chabes
- 10.45-11.00** **Virus host cell interactions and development of inhibitors**
NIKLAS ARNBERG
Clinical Microbiology
- 11.00-11.15** **Therapy for the future, disarming bacterial pathogens**
SVEN BERGSTRÖM
Molecular Biology
- 11.15-11.30** **The MUREINome: deciphering cell wall plasticity in bacteria towards the development of a new generation of specific antimicrobials**
FELIPE CAVA
Molecular Biology, Group leader at The Laboratory for Molecular Infection Medicine Sweden MIMS, New Wallenberg Academy Fellow

Wednesday 13 November

- 11.30-11.50** **5 years of KBC/UCMR Research School**
MARIANNE SOMMARIN
*Director KBC Research School
deputy vice-chancellor Umeå University*
- 11.50-12.50** **Lunch**
The KBC Kempe Postdoctoral Programme
Chair: Göran Samuelsson
- 12.50-13.05** **Simultaneous analysis of deoxy-ribonucleoside triphosphates by liquid chromatography coupled with tandem mass spectrometry**
SHAODONG JIA
*Medical Biochemistry and Biophysics;
Supervisors: A. Chabes/T. Moritz*
- 13.05-13.20** **Interaction of copper binding proteins-experiments ranging from *in vitro* to *ex vivo***
DANA KAHRA
*Chemistry; Supervisors: R. Lundmark/
P. Wittung-Stafshede*
- 13.20-13.35** **Enantioselective synthesis of substituted piperidine analogs and their application in plant biology**
DEEPAK KUMAR BARANGE
Chemistry; Supervisors: S. Robért, F. Almqvist
- 13.35-13.50** **Effects of pharmaceuticals in aquatic systems**
MARTINA HEYNEN
*Ecology and Environmental Science EMG;
Supervisors: T. Brodin/ M. Jonsson/J. Klaminder/J. Fick*
- 13.50-14.05** **Cow's milk allergy in breastfed infants**
JUNFANG WU
Chemistry; Supervisors: M. Nording, A. Öhman, T. Moritz
- Outreach activities at KBC**
Chair: Fredrik Almqvist
- 14.05-14.25** **Why did the Chemistry department at Umeå University start a cooperation with Saigon National University in Vietnam at a distance of 10 000 km?**
LARS LUNDMARK
Chemistry

Wednesday 13 November

- 14.25-14.45** **"Levande Frågelådan" and "Forskning à la carte"**
BENT CHRISTENSEN
Ecology and Environmental Science EMG
- 14.45-15.05** **"Forskarläger"**
KAROLINA BROMAN
Science and Mathematics Education
- 15.05-15.35** *Coffee break and poster viewing*
- 15.35-15.55** **"Teknikåttan"**
PATRIK NORQVIST
Physics
- 15.55-16.15** **"Forskarfredag"/"Fascinerande Växters Dag"/GMO projects**
STEFAN JANSSON
Plant Physiology/UPSC
- 16.15** **The Midterm PhD Students present their poster 3 min each with 1 min for questions**
Chair: Linda Pommer
- Rob Buckland, Medchem (poster 1)**
Daniela Figueroa, EMG (2)
Huizu Vicky Guo, UPSC (3)
Eliza Maher Hasselqvist, EMG (4)
Lenka Kuglerova, EMG (5)
Melis Kucukoglu, UPSC (6)
Manuela Milan, EMG (7)
Björn Morén, Medchem (8)
Ogonna Obudulu, UPSC (9)
Helene Prouillet-Leplat, EMG (10)
Matyas Ripszam, Chemistry (11)
Aleksandra Rybacka, Chemistry (12)
Magnus Thorlacius, EMG (13)
Johan Zakrisson, Physics (14)
Katharina Åberg, Applied Physics and Electronics (15)
Monika Åhlund, Medchem (16)
(poster abstracts in the separate abstract book!)
- 16.54-18.00** **Poster session**
- 18.00** **Dinner - Presentation of the Winner of the KBC Poster Award 2013**