

**National Center for Biomolecular Research
and
Central European Institute of Technology, Masaryk University**

NCBR Seminar – CB060

FACULTY OF SCIENCE, MASARYK UNIVERSITY

Fall semestr 2014/2015

Teacher prof. RNDr. Vladimír Sklenář, DrSc.

Dates and time:

Group meetings - individual for each group, managed by group leaders, every week

NCBR seminars room – A11, room 205, pavilion A11, 14.00

Special CEITEC Structural Biology seminar series – A11, room 132, 14:00

Chemistry seminars - pavilion A11, room 132, 14.00

Mendel Lectures – Mendel's Museum, Mendel Square, 17.00

The seminar is open to all colleagues and students of Masaryk University.

18. September **Bernd Reif (Special SB seminar series)**
Technische Universität München, Germany
Amyloid aggregates and large soluble protein complexes
Host Kostas Tripsianes
25. September **Group meetings only**
2. October **PhD Students**
Sophia Bazzi
Designing a New Class of Bases for Nucleic Acid Quadruplexes
Lukáš Bednařík
Genome wide identification of uridylated RNAs in humans
Martin Novák
Bifurcated Halogen Bond With Non-equivalent Electron Donors
9. October **Ctirad Hofr**
CEITEC, Brno
Habilitation lecture
Nucleic acid interactions, cell rejuvenescence, and cancer treatment
- Mendel Lecture**
Robert H. Singer
Albert Einstein College of Medicine, New York, USA
16. October **Alexander Bonvin (Special SB seminar series)**
Utrecht University, The Netherlands
Modelling structure, affinity and specificity of biomolecular complexes
Host Vladimír Sklenář
23. October **CEITEC Annual Conference**
30. October **PhD students**
Vladimír Horský
Biomacromolecular ligands validation and annotation
Pavel Janoš
Computational studies of glycosyltransferases
Stanislav Geidl
- Mendel Lecture**
Lorraine S. Symington, Ph.D.

Department of Microbiology and Immunology, Columbia University Medical Center, New York, USA

6. November **PhD students**
Jan Oppelt
Possible factors influencing microRNA expression
Ivana Poštulková
Function of non-canonical RNA polymerases and of associated proteins
13. November **PhD students**
Petr Stadlbauer
Intermediates in folding of G-quadruplexes
Eliška Šmiřáková
Recognition of pTyr1-CTD by the elongation factor Spt6
Milan Zachrdla
Structure of sigma subunit of RNA polymerase
20. November **Dieter Blaas**
Max F. Perutz Laboratories, Vienna
Early interactions of viruses with host cells (preliminary)
Host Pavel Plevka
27. November **Introduction of new PhD students**
Tomáš Bouchal
Searching of Biologically Active Substances by Computational Chemistry Methods
Eva Fujdiarová
Lukáš Hason
Interaction of tyrosine hydroxylase with zeta 14-3-3 protein
Zuzana Jaseňáková
Structural study of domains of receptor histidine kinases from Arabidopsis thaliana
Ivo Kabelka
Interactions of Amphiphilic Peptides
Liya Mukhamedova
4. December **Introduction of new PhD students**
David Sehnal
Oliver Taltyov
Hoa Khanh Tran Kiem
Zdeněk Farka
Marta Šiborová
Zorica Ubiparib
Aiste Kasilauskaite
11. December **Emanuele Buratti (Special SB seminar series)**
International Centre for Genetic Engineering and Biotechnology, Trieste
To be announced
Host Peter Lukavsky
- Eliška Šmiřáková
Ivana Poštulková
Lucia Slepánková
Sophia Bazzi

