



LIFE SCIENCES 2016

seminar series

MU LSS – Thursday, 16:00, A11/132, University campus Bohunice
Mendel Lectures – Thursday, 17:00, Refectory of the Augustinian
Abbey, Mendel Museum

FEBRUARY

25/02/2016 **Vladimir Katanaev**
Faculty of Biology and
Medicine, University of
Lausanne, Switzerland
**Wnt signaling: from funda-
mental studies of a signaling
pathway to anti-cancer drug
discovery**
Hosted by: Šárka Pospíšilová

MARCH

03/03/2016 **Michael G. Rossmann**
Hockmeyer Hall of
Structural Biology, Purdue
University, West Lafayette,
USA
**A Personal History of
Structural Virology**
Hosted by: Pavel Plevka

10/03/2016 **Janusz M. Bujnicki**
Laboratory of Bioinformatics
and Protein Engineering,
International Institute of
Molecular and Cell Biology,
Warsaw, and Institute of
Molecular Biology and
Biotechnology, Adam
Mickiewicz University,
Poznan, Poland
**Modeling and design of RNA
3D structures and RNA-pro-
tein complexes: towards RNA
nanotechnology**
Hosted by: Jiří Šponer

17/03/2016 **Bon-Kyoung Koo**
WT-MRC Cambridge Stem
Cell Institute, University of
Cambridge, UK
**LGR5+ intestinal stem cells,
RNF43 tumorigenesis, and
CFTR gene correction in
adult stem cells**
Hosted by: Vítězslav Bryja

24/03/2016 **Hashim M. Al-Hashimi**
Department of
Biochemistry, Duke
University, USA
**Role of Dynamic Base Pair
Polymorphism in the Central
Dogma of Molecular Biology**
Hosted by: Vladimír Sklenář

31/03/2016 **George Weinstock**
The Jackson Laboratory
for Genomic Medicine,
Farmington, Connecticut,
USA
**The human microbiome:
a new frontier that might
just affect everything**
Hosted by: Darina Čejková

APRIL

07/04/2016 **Steve Jackson**
Gurdon Institute,
University of Cambridge,
UK
**Harnessing Genetic
Principals to Treat Human
Disease**
Hosted by: Lumír Krejčí

14/04/2016 **Filipo Drago**
Department of Biomedical
and Biotechnological
Sciences, University of
Catania and School of
Medicine Catania, Italy
**The role of dopamine
D3 receptors in
psychopathology**
Hosted by: Alexandra Šulcová

21/04/2016 **Jennifer Doudna**
Howard Hughes Medical
Institute, University of
California, Berkeley, USA
**CRISPR-Cas Genome
Surveillance: From Biology
to Breakthrough Technology**
*Hosted by: Mary O'Connell &
Lumír Krejčí*

28/04/2016 **Frank van Breusegem**
VIB Department of Plant
Systems Biology, Gent,
Belgium
**Oxidative stress signalling in
plants. Towards the proteo-
me and beyond**
Hosted by: Vanessa Tognetti

MAY

05/05/2016 **Joan Steitz**
Howard Hughes Medical
Institute, Yale University,
New Haven, USA
**Viral and Cellular Noncoding
RNAs: Insight into Evolution**
*Hosted by: Štěpánka Vaňáčková &
Dalibor Blažek*

12/05/2016 **Stéphan Vagner**
Institut Curie, Orsay, France
**Insights into RNA-mediated
effectors of cancer hallmarks:
focus on mRNA translation
and polyadenylation**
Hosted by: Markus Dettenhofer

19/05/2016 **Stephen J. Benkovic**
Department of Chemistry,
The Pennsylvania State
University, USA
**On De Novo Purine
Biosynthesis: The
Pusinosome**
Hosted by: Jiří Damborský

