
WEDNESDAY, SEPTEMBER 12, 2007

- 15:00-18:00 Registration
- 18:00-19:00 Dinner
- 19:00-19:15 Welcome
- 19:15-20:00 Keynote 1
ELENA CONTI
European Molecular Biology Laboratory, Germany
RNA compartmentalization for degradation: a structural view
- 20:00-20:45 Keynote 2
ERIN SCHUMAN
Caltech-HHMI, United States
Protein Synthesis in Neuronal Dendrites
- 20:45-21:15 Coffee Break
- 21:15-22:00 Keynote 3
WITOLD FILIPOWICZ
Mechanisms and Regulation of the miRNA-mediated Repression in Mammalian Cells
FMI for Biomedical Research, Switzerland
- 22:00-24:00 Get-Together

THURSDAY, SEPTEMBER 13, 2007

- Session 1: Initiation**
- Chair: Alan G. Hinnebusch
- 09:00-09:30 ALAN G. HINNEBUSCH
NIH, United States
Functions of eIF1 and eIF1A in preinitiation complex assembly and conformational transitions governing AUG sele
- 09:30-09:45 BRUNO KLAHOLZ
Institute of Genetics and of Molecular and Cellular Biology, France
Structure and function of bacterial translation initiation complexes
- 09:45-10:00 ILYA TEREININ
Moscow State University, Russian Federation
Initiation factor 2-independent translation initiation pathway mediated by Hepatitis C Virus mRNA
- 10:00-10:15 LORI PASSMORE
MRC Laboratory of Molecular Biology, United Kingdom
The eukaryotic translation initiation factors eIF1 and eIF1A induce an open conformation of the 40S ribosome
- 10:15-10:30 LATIFA ELANTAK
Medical Research Council - Laboratory of Molecular Biology, United Kingdom
Structural insight into eIF3 recruitment to the 40S subunit: Molecular recognition of eIF3j by eIF3b-RRM domain

- 10:30-11:00 Coffee Break
- 11:00-11:15 LEOS VALASEK
Institute of Microbiology, AS CR, v.v.i., Czech Republic
In the Heart of Reinitiation - eIF3 as the Unexpected Key Determinant
- 11:15-11:30 LYUBOV RYABOVA
Institut de Biologie Moleculaire des Plantes, IBMP, France
The role of TAIP in TAV-activated reinitiation of translation
- 11:30-11:45 GRAHAM PAVITT
University of Manchester, United Kingdom
Interactions between the eIF2B Catalytic Domain and eIF2 β and γ mediate nucleotide exchange
- 11:45-12:00 EVA HARRIS
University of California, Berkeley, United States
Dissecting the Mechanism of Non-canonical Dengue Virus Translation and the Role of the 3' Untranslated Region
- 12:00-12:15 WOAN-YUH TARN
Academia Sinica, Taiwan
Multiple roles of RBM4 in translation control
- 12:15-12:30 YOAV ARAVA
Technion Israel Institute of Technology, Israel
The 3'UTR of PMP1 mRNA controls its sedimentation and cellular localization
- 13:00 -14:00 Lunch
- Session 2: Elongation and Termination**
- Chair: Rachel Green
- 14:00-14:30 RACHEL GREEN
Johns Hopkins University / Howard Hughes Medical Institute, United States
Catalysis and Communication In Two Active Sites of the Ribosome
- 14:30-14:45 SUSANNE ROTHER
Ludwig-Maximilians-University of Munich, Germany
The RNA polymerase II CTD kinase Ctk1 functions in translation elongation
- 14:45-15:00 ROBERT GILBERT
University of Oxford, United Kingdom
Structural insights into the mechanics of ribosomal initiation, frameshifting and translocation
- 15:00-15:15 OLIVIER NAMY
Universite paris-sud
Functional and structural analysis of erf1 from *Saccharomyces cerevisiae*
- 15:15-15:30 HEIKE KREBBER
Philipps Universitaet Marburg, Germany
The DEAD-Box RNA helicase Dbp5 functions in translation termination

- 15:30-15:45 MICHAEL HOWARD
University of Utah, United States
A Recoding Element that Stimulates decoding of UGA codons by Sec tRNA^[Ser]Sec
- 15:45-16:00 TOSHIFUMI INADA
Ngoya University, Japan
Consecutive positive charged amino acids induces translation arrest and protein destabilization by proteasome
- 16:00-16:30 Coffee Break
- Session 4: The Ribosome**
- Chair: Marina Rodnina
- 16:30-17:00 MARINA RODNINA
University of Witten/Herdecke, Germany
Quality Control of Translation in Bacteria
- 17:00-17:15 MARIA SELMER
Uppsala University, Sweden
Crystallographic studies of tRNA binding to the ribosome
- 17:15-17:30 LASSE JENNER
Institute de Genetique et de Biologie Moleculaire et Structurales, France
Structural basis for mRNA interaction with the ribosome
- 17:30-17:45 SCOTT BLANCHARD
Weill-Cornell Medical College, United States
Identification of Two Distinct Hybrid State Intermediates on the Ribosome
- 17:45-18:00 CHRISTIAN M.T. SPAHN
Charite - Universitaetsmedizin Berlin, Germany
Cryo-EM structure of the 70S ribosome in complex with EF-Tu and tRNAs at sub-nanometer resolution
- 18:00-18:15 ERIK CHRISTIAN BOETTGER
Institut fuer Medizinische Mikrobiologie, Switzerland
Engineering the rRNA decoding site in bacteria: deafness alleles confer misreading of the genetic code
- 18:15-18:30 KNUD H. NIERHAUS
Max-Planck-Institut fuer Molekulare Genetik, Germany
LepA one of the most conserved proteins known and present in all bacteria and mitochondria, is a ribosomal elo
- 18:30-20:00 Dinner
- 20:00-22:00 Poster Session I
- 22:00-24:00 Wine & Cheese

FRIDAY, SEPTEMBER 14, 2007

Session 5: Development and the Nervous System

- Chair: Joel Richter
- 09:00-09:30 JOEL RICHTER
University of Massachusetts Medical School, United States
CPEB Control of Cell Senescence
- 09:30-09:45 MICHAEL FELDBRUEGGE
MPI Marburg, Germany
Evidence for microtubule-dependent mRNA transport in the pathogen *Ustilago maydis*
- 09:45-10:00 SOLENN PATALANO
Center for Genomic Regulation (CRG), Spain
The translational regulator UNR controls dosage compensation by multiple mechanisms
- 10:00-10:15 JAN MEDENBACH
EMBL Heidelberg, Germany
Mechanism of a 5' UTR scanning block imposed by SXL on *Drosophila* msl-2 mRNA
- 10:15-10:30 PERRINE BENOIT
Institut de Genetique Humaine, France
Function of GLD-2 poly(A) polymerase in cytoplasmic polyadenylation during *Drosophila* oogenesis
- 10:30-11:00 Coffee Break
- 11:00-11:15 ECKMANN CHRISTIAN
Max Planck Institute of Molecular Cell Biology and Genetics, Germany
The NTD containing protein GLD-4 regulates redundantly with GLD-2 germ cell fate decisions in *C. elegans*
- 11:15-11:30 STEFANO BIFFO
University of Eastern Piedmont, Italy
eIF6 Controls Translation, Growth and Tumorigenesis, in vivo
- 11:30-11:45 DAISY LIN
State University of New York Downstate Medical Center, United States
BC1 RNA regulates translation through initiation factors eIF4A and PABP
- 11:45-12:00 ILARIA NAPOLI
University of Rome "Tor Vergata" and S.Lucia Foundation, Italy
FMRP represses activity-dependent mRNA translation through CYFIP1/Sra-1, a new neuronal 4E-BP
- 12:00-12:15 JENNIFER WINTER
Max Planck Institute for Molecular Genetics, Germany
Entering a new level of 3'UTR-mediated regulation: Combined AREs and CPEs drive Eph/ephrin expression
- 12:15-12:30 CHARLES HOFFER
New York University, United States

**Removal of FK506 Binding Protein 12 Enhances mTOR-Raptor Binding, LTP,
and Autistic-like Memory Perseverance**

13:00-14:00

Lunch

Session 6: PCR: Pathways, Complexes and Regulation

Chair:

Tatyana Pestova

14:00-14:30

TATYANA PESTOVA

State University of New York Downstate Medical Center, United States

Post-termination events in eukaryotic translation

14:30-14:45

STEPHEN CURRY

Imperial College, United Kingdom

Crystallographic analyses of human La protein reveal alternative modes of binding to RNA

14:45-15:00

PAUL FOX

Cleveland Clinic, United States

GAIT System Defines an Auto-regulatory, Negative-feedback Circuit that Controls Inflammatory Gene Expression

15:00-15:15

CHRISTIAN THOMA

EMBL Heidelberg, Germany

The poly(A) tail promotes 48S initiation complex recruitment to the c-myc IRES in a PABP-independent way

15:15-15:30

ANNE-CATHERINE PRATS

Inserm U858, Institut de Medecine Moleculaire de Ranguel, France

IRES-mediated translational regulation of FGF-1 expression during myogenesis and muscle regeneration

15:30-15:45

ANNE WILLIS

Nottingham University, United Kingdom

Translational re-programming following UV-irradiation allows selective synthesis of DNA repair enzymes

15:45-16:15

Coffee Break

16:15-16:30

STEFAN ROTHENBURG

National Institute of Child Health and Human Development, NIH, United States

Constant positive selective pressure drives evolution of the anti-viral protein kinase PKR in vertebrates

16:30-16:45

AMANDINE ALARD

INSERM U858, Institut de medecine moleculaire de Ranguel, France

Plk2-targeted proteasomal destruction of eIF4GII

16:45-17:00

MICHAEL CLEMENS

St George's, University of London, United Kingdom

Effects of phosphorylation on ubiquitination and turnover of 4E-BP1

17:00-17:15

PIRAYE YURTTAS

Weill Graduate School of Medical Sciences of Cornell University, United States

PADI6 and the Oocyte CPLs Orchestrate Ribosome Storage, Timely Translation, and Embryonic Genome Activation

CONFERENCE AGENDA

- 17:15-17:30 NADINE STOEHR
ZAMED, NBL3 research group, Germany
SIRL identifies ZBP1-regulated mRNAs in cancer derived cells
- 18:00-19:30 Dinner
- 19:30-21:00 Poster Session II
- 22:00-24:00 Wine & Cheese

SATURDAY, SEPTEMBER 15, 2007

Session 3: mRNA Stability and Trafficking

- Chair: David Tollervey
- 09:00-09:30 DAVID TOLLERVEY
University of Edinburgh, United Kingdom
Making the machinery: Ribosome synthesis in yeast
- 09:30-09:45 FENG HE
University of Massachusetts Medical School, United States
Transcript-specific cytoplasmic degradation of intron-containing YRA1 pre-mRNA mediated by the yeast Edc3p
- 09:45-10:00 KENZA ZEMAM
Institut Pasteur, France
In *Saccharomyces cerevisiae*, all the proteins carrying an Lsm domain are linked to mRNA decay
- 10:00-10:15 ANA LUISA SILVA
Instituto Nacional de Saude Dr. Ricardo Jorge, Portugal
A role for PABPC1 on nonsense-mediated decay inhibition of mammalian mRNAs carrying a short open reading frame
- 10:15-10:30 TOSHIFUMI INADA
Ngoya University, Japan
Upf1p stimulates nonsense-mediated co-translational protein degradation by the proteasome in yeast
- 10:30-10:45 CAROLYN DECKER
Howard Hughes Medical Institute and University of Arizona, United States
Edc3p and the prion-like domain of Lsm4p function in P-body assembly in *S. cerevisiae*
- 10:45-11:00 WENDY GILBERT
University of California, Berkeley, United States
Environmental regulation of the proteome by selective targeting of mRNAs to P-bodies
- 11:00-13:00 Poster Session III
- 13:00-18:30 Lunch & Free Time
- 18:30-19:30 Drinks
- 19:30-01:00 Banquett Dinner & Party (Live Band)

SUNDAY, SEPTEMBER 16, 2007

Session 7: Non-coding RNA

- Chair: Thomas Preiss
- 09:15-09:45 THOMAS PREISS
Victor Chang Cardiac Research Institute, Australia
Widespread Use of poly(A) Tail Length Control to Accentuate Expression of the Yeast Transcriptome
- 09:45-10:00 ROLF THERMANN
EMBL Heidelberg, Germany
Mechanism of translational control by miR2
- 10:00-10:15 MARTIN BUSHELL
University of Nottingham, United Kingdom
The mechanism of microRNA-mediated translation repression is determined by the promoter of the target gene
- 10:15-10:30 XAVIER DING
FMI for Biomedical Research, Switzerland
let-7 microRNA mode of action in vivo: translational effect and role of eif-3
- 10:30-11:00 Coffee Break
- 11:00-11:15 SUVENDRA BHATTACHARYYA
FMI for Biomedical Research, Switzerland
miRNA mediated translation repression and P-bodies in somatic and neuronal cells
- 11:15-11:30 GERHARD SCHRATT
University of Heidelberg, Germany
microRNAs in local translational control at the synapse
- 11:30-11:45 MICHAEL WORMINGTON
University of Virginia, United States
Developmental Regulation of miRNA Processing During Xenopus Oocyte Maturation and Embryogenesis
- 11:45-12:00 SCHUETZ SYLVIA
Stanford University, School of Medicine, United States
Subcellular localization of HCV genomic RNA and miR-122
- 12:00 Lunch & Departure