

# Program - Friday, July 10

## SESSION 1 MECHANISMS OF REGULATION AND FUNCTION

- 08:30 - 08:40 Opening notes
- 08:40 - 09:15 **Invited speaker: David Elliot.** *RNA splicing regulation in development and disease.*
- 09:15 - 09:30 **Léon-Charles Tranchevent.** *Predicting the functional consequences of alternative splicing variations with Exon Ontology.*
- 09:30 - 09:45 **Martin Strazar.** *Integrative analysis of nineteen protein-RNA-interaction CLIP data sets using orthogonal matrix factorization.*
- 09:45 - 10:00 **Vladimir Reinharz.** *Combining structure probing experiments on RNA mutants with evolutionary information reveals RNA-binding interfaces.*
- 10:00 - 10:15 **Maria Carmo-Fonseca.** *Genome-wide analysis of co-transcriptional splicing.*
- 10:15 - 10:45 Coffee Break

## SESSION 2 RNA VARIATION AND TRANSLATION

- 10:45 - 11:20 **Invited speaker: Mar Alba.** *Long non-coding RNAs as a source of new peptides.*
- 11:20 - 11:35 **Liana F. Lareau.** *Ribosome motion revealed by RNA sequencing.*
- 11:35 - 11:50 **Juan Mata.** *From the translome to the small proteome.*
- 11:50 - 12:20 **Invited speaker: Cathal Soighe** *Integrative analysis of allele specific RNA biology.*
- 12:30 - 13:30 Lunch

## SESSION 3 RNA AND DISEASE

- 13:45 - 14:00 **Steven Brenner.** *PGNR Network-wide Project: Transcriptome Analysis of Pharmacogenes in Human Tissues.*
- 14:00 - 14:15 **Caroline C. Friedel.** *Widespread disruption of transcription termination in HSV-1 infection.*
- 14:15 - 14:30 **Juan L. Trincado.** *Relative abundances of transcript isoforms are predictive of tumor staging and survival in 12 cancer types.*
- 14:30 - 14:45 **Pavel Sumazin.** *Genomic alterations dysregulate cancer genes by modulating microRNA activity.*
- 14:45 - 15:20 **Invited speaker: Nicole Meisner.** *A highway to the sites of RNA silencing: Cell entry of exosomes as a novel paradigm for therapeutic RNA delivery.*
- 15:20 - 16:00 Coffee Break (and start of poster session)
- 16:00 - 17:30 **Poster session**

## SESSION 4 PROBABILISTIC MODELING OF RNA

- 17:30 - 17:45 **Alina Selega.** *Probabilistic modeling of RNA structure probing data.*
- 17:45 - 18:20 **Invited speaker: Magnus Rattray.** *Bayesian methods for transcript expression estimation and differential expression calling from RNA-Seq data.*
- 18:20 - 19:00 Concluding notes, poster prize announcement
- 19:30 IRB-SIG dinner**