

ECCB'12

11th European Conference on Computational Biology

9-12 September 2012,
Congress Center Basel, Switzerland



Keynote speakers:

The EMBO Lecture by
SØREN BRUNAK

Technical University of Denmark

AARON CIECHANOVER

Technion - Israel Institute of Technology

BARRY HONIG

Columbia University, New York, USA

LAURENT KELLER

University of Lausanne

GENE MYERS

MPI of Molecular Cell Biology and Genetics, Dresden, Germany

MIHAELA ZAVOLAN

Biozentrum University of Basel & SIB, Switzerland

Key dates:

Breaking highlights deadline: 1 July 2012

Late poster abstract deadline: 1 August 2012

Registration deadline: 1 August 2012

Workshops & Tutorials: 8+9 September 2012

ECCB Conference: 9-12 September 2012

ECCB'12 Satellite Symposia:

- *Bioinformatics Research Infrastructure for the Life Sciences: The First 10 Years of UniProt*, Saturday, 8 September 2012
- *2. European ISCB Student Council Symposium (ESCS)*, Saturday, 8 September 2012

Conference chairs:

TORSTEN SCHWEDE, chair

Biozentrum, University of Basel & SIB Swiss Institute of Bioinformatics

DAGMAR IBER, co-chair

D-BSSE, ETHZ, Basel and SIB Swiss Institute of Bioinformatics

For program details and registration please visit:

www.eccb12.org

Workshops:

2-day workshop on Saturday + Sunday, 8+9 September 2012:

Workshop 1: *Sixth International Workshop on Machine Learning in Systems Biology (MLSB)*

1-day workshops on Sunday, 9 September 2012:

Workshop 2: *Annotation, Interpretation and Management of Mutations (AIMM)*

Workshop 3: *Computational Proteomics: From Mass Spectrometry to Protein Complexes*

Workshop 4: *Bioinformatics Training for Life Scientists: Showcases and Challenges from Tutors' Perspectives.*

Workshop 5: *Imaging Analysis and Computational Modeling for Cancer and its Therapy*

Workshop 6: *Detecting Transcription Factor Binding Sites with ChIP-Seq Data and Predicting Damaging Cis-Regulatory Variations*

Tutorials:

ECCB'12 will feature the following one-day tutorial sessions on Sunday, 9 September 2012:

Tutorial 1: *Applications of Bio-Ontologies in Large-Scale Data-Driven Science: A Practical Introduction*

Tutorial 2: *Protein Evolution: From Sequence to Structure to Function*

Tutorial 3: *GWAS: Statistics and Bioinformatics to Analyse Genotype to Phenotype Relationships from Molecular Traits to Disease Phenotypes*

Tutorial 4: *Inferring Genetic Diversity from Next-Generation Sequencing Data: Computational Methods and Biomedical Applications*

Tutorial 5: *Reads to Biological Patterns: End-to-End Differential Expression Analysis of RNA Sequencing Data Using Bioconductor*

Tutorial 6: *Editing Wikipedia for Scientists*



ECCB'12 is organized in association with the 10th [BC]² Basel Computational Biology Conference by:

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