

12. Herbstseminar 2014

Sunday 2014-10-05

<i>Arrival and registration</i>				
	15:00-19:00			Registration

Dinner 19:30-21:00

<i>Opening</i>					
	21:00-21:15	Nitsche	Anne	Opening ceremony of the 12. Herbstseminar	15 min
	21:15-22:00	Prohaska Sonja and Steiner	Lydia	Regulation: What a Thermostat and the lac Operon Have in Common	45 min

Monday 2014-10-06

<i>Session 1: Epigenetics</i>					
Chair: Stephan Bernhart					
	15:00-15:30	Kanton	Sabina	Potential role of random monoallelic expression in Alzheimer	25 min
	15:30-15:50	Engelhardt	Jan	DNA methylations	15 min
	15:50-16:05	Kretzmer	Helene	Methylation of Lymphomas	15 min

<i>Session 2: Algorithms I</i>					
Chair: Jing Qin					
	16:20-16:50	Hufsky	Franziska	Analysis of small molecule fragmentation mass spectra	25 min
	16:50-17:10	Sundfeld	Daniel	GPU on Bioinformatics	15 min

<i>Session 3: non-coding RNA</i>					
Chair: Jan Gorodkin					
	17:20-17:40	Carmelo	Victor	Structured RNA in IBD	15 min
	17:40-18:00	Mirza	Aashiq	Long non-coding RNAs in IBD	15 min
	18:00-18:20	Walter	Bia	Long non-coding RNAs and primate brain	15 min

Dinner 18:30-20:00

<i>Session 4: RNA Interaction</i>					
Chair: Peter Stadler					
	20:00-20:20	Alkan	Ferhat	Genome-Wide Scale Prediction of RNA-RNA Interactions	15 min
	20:20-20:40	Mede	Tobias	PKR and its activators	15 min
<i>10min break</i>					
	20:50-21:20	Kirsch	Rebecca	High-Throughput Identification of RNA-RNA Interactions	25 min
	21:20-21:40	Seemann	Stefan	Structured RNA domains bound by RBPs	15 min

Tuesday 2014-10-07

<i>Workshop</i>	11:00-12:30	by Sebastian Will	FRTW@HS14 --- Freiburg RNA Tools Workshop	
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<i>Session 1: RNA folding</i>					
Chair: Fabian Amman					
	15:00-15:20	Junge	Alexander	Sequence- structure-based clustering of multiple sequence alignments	15 min
	15:20-15:40	Havgaard	Jakob Hull	Using read profiles to select sequences for structural alignment	15 min
	15:40-16:00	Badelt	Stefan	Computational design of a circular RNA with prion-like behavior	15 min
	16:00-16:20	Hecker	Nikolai	Structural elements associated with mRNA stability in human cortex	15 min
<i>15min break</i>					
	16:35-16:55	Kucharik	Marcel	RNA folding kinetics of pseudoknots	15 min
	16:55-17:25	Lorenz	Ronny	RNA folding and kinetics	25 min

<i>Session 2: Visualization</i>					
Chair: Dirk Zeckzer					
	17:40-18:00	Gerighausen	Daniel	iDotter - An interactive dotplot viewer	15 min
	18:00-18:20	Gurkov	Anton	Plugin for 2D-electrophoresis gel analysis in ImageJ	15 min

Dinner 18:30-20:00

<i>Session 3: Complex Interactions</i>					
Chair: Christoph Flamm					
	20:00-20:30	Externbrink	Fabian	Oriented graph grammars and stereochemistry	25 min
	20:30-20:50	Kerpedjiev	Peter	3D RNA Stuff	15 min
<i>10min break</i>					
	21:00-21:30	Boniecki	Michal	Investigation of conformational space of RNA using SimRNA.	25 min

12. Herbstseminar 2014

Wednesday 2014-10-08

Workshop 11:00-12:30 by Sebastian Will FRTW@HS14 --- Freiburg RNA Tools Workshop

<i>Session 1: RNA genomics</i>					
Chair: Manja Marz					
	15:00-15:20	Gupta	Ishaan	Each RNA molecule is a snowflake	15 min
	15:20-15:40	Riege	Konstantin	ncRNA annotation pipeline GORAP + evaluation	15 min
	15:40-16:00	Tanzer	Andrea	RNA genomics	15 min

<i>Session 2: Algorithms II</i>					
Chair: Steve Hoffmann					
	16:15-16:45	Saule	Cedric	Observations on the feasibility of exact Pareto optimization with applications of RNA folding	25 min
	16:45-17:05	Retzlaff	Nancy	A Two-Step Scoring Model for Computational Phylolinguistics	15 min
	17:05-17:25	open slot			15 min

<i>15min break</i>					
	17:40-18:10	Hoener zu Siederdisen	Christian	A Very Non-Prussian Dynamic Programming Endeavor	25 min
	18:10-18:30	Berkemer	Sarah	Summer of transitive alignments	15 min

<i>Session 3: Histones</i>					
Chair: Sonja Prohaska					
	18:45-19:05	Stöpel	Claus	something about CHIP-Seq on Histon Mods	15 min
	19:05-19:25	Herbig	Nico	Inheritance of the histone code during DNA replication	15 min

Conference Dinner 19:30 - open end

Thursday 2014-10-09

<i>Session 1: Genomics</i>					
Chair: Frank Jühling					
	15:00-15:20	Rivarola Duarte	Lorena	Genomics/Transcriptomics and amphipods	15 min
	15:20-15:40	Kolora	Rohit	Something on Lizard genomes	15 min
	15:40-16:00	Hölzer	Martin	Something about ncRNAs or differential gene expression in bats	15 min
<i>15min break</i>					
	16:15-16:45	Indrischek	Henrike	Improved protein annotation with the help of exon-specific HMMs	25 min
	16:45-17:05	Fricke	Markus	Something about viruses	15 min

<i>Session 2: Circular Genomes, small RNA's</i>					
Chair: Matthias Bernt					
	17:20-17:40	Sahyoun	Abdullah	Mitochondrial genomes	15 min
	17:40-18:00	Hartmann	Tom	Combinatorics of TDRL Mutations on Circular Genomes	15 min
<i>15min break</i>					
	18:15-18:35	Patra	Deblina	plantDARIO: Web-based quantitative and qualitative analysis of small RNA-s	15 min
	18:35-18:55	Pan	Xiaoyong	Genome-scale sponge predicitions	15 min

Dinner 19:30 - open end