

Table of contents

Monday 20 June 2016	1
Tuesday 21 June 2016	2
Wednesday 22 June 2016	3
Thursday 23 June 2016	4
Friday 24 June 2016	5

Conference on Genome Architecture in Space and Time | (smr 2878)

Monday 20 June 2016

- LB (Budinich Lecture Hall) (08:30-18:30)

time	title	presenter
08:30	Registration	
09:30	Welcome opening by the Organizers	
10:00	Morning Session Chair: Angelo Rosa	
10:00	Localization Microscopy of Nuclear Structure: Imaging the epigenetic landscape at the nanoscale	CHRISTOPH CREMER
10:45	Coffee Break	
11:15	Modelling and engineering genome architecture	F. KEPES
12:00	The major chromatin classes blueprint the nuclear architecture	IRINA SOLOVEI
12:45	Lunch Break	
14:15	Afternoon Session Chair: Mario Nicodemi	
14:15	Deep Imaging to probe genome organization and function	TOM MISTELLI
15:00	Coffee Break	
15:30	The functions of TADs and Boundaries at the HoxD Locus	DENIS DUBOULE
16:15	Spectra of random clusters in highly dissolved solutions: Number theoretic manifestation of noise	SERGEI NECHAEV
17:00	Functions of Chromatin Looping	GERD BLOBEL
17:45	Chromosome Organizaton and the physics of crumpled polymers	ANGELO ROSA

Tuesday 21 June 2016

- LB (Budinich Lecture Hall) (09:15-22:00)

time	title	presenter
09:15	Morning Session Chair: Francois Képès	
09:15	3D nuclear topography of active and inactive regulatory sequence studied with super-resolution fluorescence microscopy	THOMAS CREMER
10:00	Coffee Break	
10:30	TBA	ALEXANDER Y. GROSBERG
11:15	Elementary units of DNA Replication and repair: A mirror of chromosome higher order structure?	CRISTINA CARDOSA
12:00	Architecture and Regulatory functions of Lamina-associated domains	BAS VAN STEENSEL
12:45	Lunch Break	
14:15	Afternoon Session Chair: Matteo Marsili	
14:15	The contraction of space and time in genomic interactions	OLGA DUDKO
15:00	Coffee Break	
15:30	Poster Session	
20:00	RECEPTION	

Wednesday 22 June 2016

- LB (Budinich Lecture Hall) (09:15-18:30)

time	title	presenter
09:15	Morning Session Chair: Ana Pombo	
09:15	Transcription Factories: Genome Organization and Gene Regulation	PETER COOK
10:00	Coffee Break	
10:30	Transcription-induced supercoiling and TADs formation	ANDRZEJ STASIAK
11:15	TBA	MUSA MHLANGA
12:00	Genome organization in function of viral integration and transcription	MARINA LUSIC
12:45	Lunch Break	
14:15	Afternoon Session Chair: Cristina Cardoso	
14:15	Single cell and single molecule chromosome conformation capture	AMOS TANAY
15:00	Coffee Break	
15:30	Hierarchical folding of chromosomes in neuronal differentiation and its link to epigenetics	M. NICODEMI
16:15	Building Synthetic Secondday Chromsomes to understand chromosome maintenance in bacteria	TORSTEN WALDMINHAUS
17:00	Short Talks selected from Best Posters I	
17:00	The HRS-Seq: A Novel Method for Genome-Wide Profiling of Nuclear Compartment-Associated Sequences	MARIE-ODILE BAUDEMONT
17:30	Nanoscale Structuration & Regulation of Chromatin Folding Revealed by Super-Resolution	DIEGO DATTONI
18:00	Comparison of Computational Methods for the Analysis of Hi-C Data	FREANCESCO FERRARI

Thursday 23 June 2016

- LB (Budinich Lecture Hall) (09:15-18:15)

time	title	presenter
09:15	Morning Session Chair: Christoph Cremer	
09:15	Structural organization of the inactive X-chromosome in the mouse	LUCA GIORGETTI
10:00	Coffee Break	
10:30	Chromatin state and architecture guides the function of along noncoding RNA	JOSÉE DOSTIE
11:15	Epigenomics in 4D: A functional role for the dynamic coupling between epigenome and chromatin organization	DANIEL JOST
12:00	Chromatin Capture and epigenetic data evidence integration using multi layer and hierarchical block matrices	PIETRO LIÒ
12:45	Lunch Break	
14:15	Afternoon Session Chair: Josée Dostie	
14:15	Structural organization of human replication timing domains	BENJAMIN AUDIT
15:00	Coffee Break	
15:30	Genome architecture mapping: a spatial approach to map chromatin contacts	ANA POMBO
16:15	Short talks selected from Best Posters II	
16:15	Impairment of LaminA/C Polycomb Crosstalk Affects Genome Compartmentalization in Laminopathies	CHIARA LANZUOLO
16:45	Understanding the Pathogenic Effects of Structure Variations on Chromatin Organization	DARIO G. LUPIÁÑEZ
17:15	Cellular Systems Biology of Chromosome Dynamics	KAREN LIPKOW
17:45	Quantitative Assessment of Irreversible Crosslink Effect on Chromatin Structure	VITTORE F. SCOLARI

Friday 24 June 2016

- Leonardo Building - Budinich Lecture Hall (09:15-13:15)

time	title	presenter
09:15	Morning Session Chair: Angelo Rosa	
09:15	Finite-size scaling analysis of super-resolution imaging and simulation of epigenetic domains	JEAN-MARC VICTOR
10:00	Coffee Break	
10:30	Elevated rates of substitution at regulatory and architectural sites across cancer types	COLIN SEMPLE
11:15	Molecular mechanism organizing and regulating long-distance relationships	FRANCIS SPITZ
12:00	Concluding remarks, and hope to see you soon	
12:15	Lunch	