

FINAL PROGRAM OF THE WORKSHOP

Chromatin Domains and Insulators

Venue of the workshop:

Universidad Internacional de Andalucía
Sede "Antonio Machado"
Palacio de Jabalquinto
Plaza de Santa Cruz, s/n 23440 Baeza



Sunday, November 8th, 2009

20:00 Get together dinner, meet the participants and invited speakers

Monday, November 9th, 2009

09:00-09:10 Opening of the workshop: Organizers
Victor Corces, Felix Recillas-Targa, Lluís Montoliu

Session I: Insulator paradigms

Chair: Felix Recillas-Targa

09:10-10:00 *Chromatin boundaries, genome organization, and epigenetic regulation*
Gary Felsenfeld

10:00-10:30 Coffee break

Session II: Chromatin domains and epigenetic mechanisms

Chair: Victor Corces

10:30-11:00 *Drosophila Insulators: Bridging the Gap between Transcription and Nuclear Organization*
Victor G. Corces

11:00-11:30 *Chromatin organization and epigenetic regulation*
Ann Dean

11:30-12:00 *PcG protein-mediated insulator bypass*
Giacomo Cavalli

12:00-12:30 *Chromatin Insulators in Drosophila melanogaster*
Pavel Georgiev

12:30-12:45 Short talk: *Boundary elements in the Drosophila BX-C and proteins involved in their functionality*
M. Lluïsa Espinàs

13:30-15:30 Lunch break

Session III: Other boundaries found in vertebrate genomes

Chair: Gary Felsenfeld

15:30-16:00 *Chromatin marks exons*
Roderic Guigó

16:00-16:30 A new type of boundary, associated with SINE B2 elements
Victoria Lunyak

16:30-17:00 *The function of the novel CTCF-dependent α EHS-1.4 insulator is modulated throughout erythroid differentiation and contributes to the chicken α -globin gene domain regulation*
Felix Recillas-Targa

17:00-17:15 Short talk: *B1-X35S, a novel SINE B1 retrotransposon that binds Dioxin receptor, Slug and Snail has insulator activity*
Pedro M. Fernández-Salguero

17:15-17:45 Coffee break

Session IV: Barrier and boundary function in yeast genomes

Chair: Rolf Ohlsson

17:45-18:15 *tRNA promoter mediated insulation in eukaryotes*
Rohinton T Kamakaka

18:15-18:45 *Three-dimensional folding of chromosomal domains in relation to gene expression*
Marc Marti-Renom

18:45-19:00 Short talk: *Analysis of the heredity change of the boundary*
Masaya Oki

19:00-20:00 Viewing posters

20:30 Dinner

Tuesday, November 10th, 2009

Session V: Boundaries and nuclear processes

Chair: Giacomo Cavalli

09:00-09:30 *Non-allelic transvection of multiple imprinted loci is organized by the H19 imprinting control region during germline development*
Rolf Ohlsson

09:30-10:00 *Potential role of CTCF and cohesin in V(D)J recombination of immunoglobulin genes*
Ann J. Feeney

10:00-10:30 *CTCF and cancer: a complex relationship*
Elena Klenova

10:30-10:45 Short talk: *Chicken beta-globin insulator as a tool to improve transgene expression in somatic cells used for nuclear transfer*
Silvia Nicolás

10:45-11:30 Coffee break

11:30-13:30 Social-cultural activity (Guided tour of Baeza)

13:30-15:30 Lunch break

Session VI: Boundaries and gene transfer approaches

Chair: Lluís Montoliu

15:30-16:00 *Use of Chromatin Insulators To Improve the Expression and Safety of Retroviral Vectors*
David Emery

16:00-16:30 *Visualization of gene limits*
José Luis Gómez-Skarmeta

16:30-16:45 Short talk: *A 145kb multigene fragment of pig genome enhances production of recombinant proteins*
Geneviève Jolivet

16:45-17:00 Short talk: *The Enhancer Disruption (ED) screen in zebrafish*
José Bessa

17:00-17:15 Short talk: *Transcription-dependent Organization of Gene Networks in mammalian cell nucleus revealed by High Resolution Chromatin Interaction analysis and massive parallel sequencing (ChIA-Seq)*
Sreenivasulu Kurukuti

17:15-17:45 Coffee break
17:45-19:30 Viewing posters
20:30 Dinner

Wednesday, November 11th, 2009

Session VII: Bioinformatic approaches to understand boundaries in genomes
Chair: José Luis Gomez-Skarmeta

09:00-09:30 *Epigenomic landscapes of pluripotent and lineage-committed human cells*
Bing Ren

09:30-10:00 *Identification and functional validation, in vitro and in vivo, of vertebrate genome insulators*
Lluís Montoliu

10:00-10:15 Short talk: *Genome-wide analyses confirm the association of ASH2 and H3K4me3 in Drosophila wing imaginal discs*
Sílvia Pérez-Lluch

10:30-10:45 Concluding remarks: Organizers
Victor Corces, Felix Recillas-Targa, Lluís Montoliu

10:45-11:15 Coffee break

11:30 Bus departs (lunch bag included)

13:00 Lunch for the rest of participants