

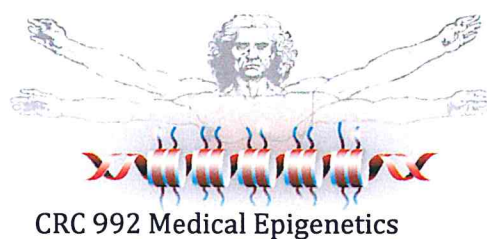
SECOND GERMAN-CATALAN WORKSHOP ON EPIGENETICS & CANCER

Organized by Institute of Predictive and Personalized Medicine of Cancer (IMPPC)

November 19-21, 2014

Venue: IMPPC and Hotel Colon, Barcelona

Abstract Booklet



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PROGRAM

Day 1: WEDNESDAY 19. IMPPC, Badalona

SESSION 1: DKFZ / IMPPC

15:00 Welcome remarks and Introduction.

Session 1A chair: Fumiichiro Yamamoto

15:20 **Christoph Plass:** "Epigenetic changes during hematopoietic lineage commitment identified by whole-genome bisulfite sequencing"

15:40 **Karsten Rippe:** "Need for speed: Tracing chromatin remodelers in living cells in search of the right nucleosome"

16:00 **Izaskun Mallona:** "A tool for exploring the long range epigenetic landscape in human cancer"

16:20 **Sergio Alonso:** "Exploring DNA hypomethylation in colorectal cancer"

16:40 COFFEE BREAK

Session 1B chair: Tanya Vavouri

17:10 **Anna Palau:** "A Polycomb complex in gene activation"

17:30 **Gabrijela Dumbovic:** "Epigenetic Reprogramming and Increased Transcription of a Tandemly Repeated Satellite Element in Colorectal Cancer"

17:50 **Yulia Medvedeva:** "Chromatin changes induced by treatment with 5-Aza-2-deoxycytidine (Decitabine)"

18:10 **Rafael de Cid:** "GCAT|Genomes for Life. Cohort Study of the Genomes of Catalonia"

18:30 **Lorenzo Pasquali:** "Enhancer clusters and cis regulatory networks in human pancreatic islets"

20.00 DINNER at *Masia Cal Dimoni, Badalona*

Day 2: THURSDAY 20 MORNING. Hotel Colon, Barcelona

SESSION 2: PBEC/IDIBELL

Session 2A chair: Alex Vaquero

- 9:00 **Sònia Guil:** "Transcribed-Ultraconserved elements: the lncRNA link to the regulation of miRNA biogenesis"
- 9:20 **Paula López-Sierra:** "From Krebs to Glycolysis: Epigenetics in the middle"
- 9:40 **Damiana Álvarez-Errico:** "Interplay Between Transcription Factors, DNA Methylation Changes And MicroRNAs In Myeloid Differentiation"
- 10:00 **Roser Vento-Tormo:** "DNA Methylation Changes During Monocyte-To-Dendritic Cell And Macrophage Differentiation "

10:20 COFFEE BREAK

Session 2B chair: Esteban Ballestar

- 10:50 **Irene Santos-Barriopedro:** "A new role for SIRT6 in the regulation of Nf-kB pathway in response to stress"
- 11:10 **Núria Sima:** "SIRT2, MOF and PRSet-7 interplay in the regulation of genome integrity during the cell cycle"
- 11:30 **Dave Monk:** "The PEG13-DMR and brain-specific enhancers dictate imprinted expression within the 8q24 intellectual disability risk locus."
- 11:50 **Marta Sanchez-Delgado & Alex Martin-Trujillo:** "The absence of maternal methylation at imprinted loci is a key feature in biparental hydatidiform moles caused by maternal-effect NLRP7 mutations."
- 12:10 **Maribel Parra:** "Implication of HDAC7 in hematological malignancies"
- 12:30 LUNCH
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DAY 2: THURSDAY 20 EVENING. Hotel Colon, Barcelona

SESSION 3: DKFZ Heidelberg

Session 3A chair: Lauro Sumoy

- 14:00 **Dieter Weichenhan:** "Low input whole genome bisulfite sequencing in basic research and disease"
- 14:20 **Frank Westermann:** "Implications for novel biology-based treatment concepts from next generation molecular diagnostics of childhood neuroblastoma"
- 14:40 **Katharina Müller-Ott:** "Specificity, propagation and memory of pericentric heterochromatin"
- 15:00 **Marina Laplana:** "Targeted enrichment approach for comprehensive methylation analysis of lung cancer risk regions"

15:20 COFFEE BREAK

Session 3B chair: Sonia Forcales

- 15:50 **Frank Lyko:** "Chronic inflammation induces a novel epigenetic program that is conserved in intestinal adenomas and in colorectal cancer"
- 16:10 **Holger Bierhoff:** "LncRNAs mediate H4K20 trimethylation and chromatin compaction in nondividing cells"
- 16:30 **Sven Diederichs:** "Long non-coding RNAs and Epigenetics in Lung Cancer"
- 16:50 **Christopher Charles Oakes:** "Progressive epigenetic programming during B cell maturation yields a continuum of clonal disease phenotypes with distinct etiologies in chronic lymphocytic leukemia"
- 17:10 FREE TIME
- 20.00 DINNER at *Restaurant Ferran, Barcelona.*

Day 3: FRIDAY 21 MORNING. Hotel Colon, Barcelona

SESSION 4: CRCME Freiburg

Session 4A chair: Marcus Buschbeck

- 9:00 **Tanja Vogel** "The role of leukemia-promoting chromatin modifiers in neurodevelopment"
- 9:20 **Felix Kromholz** "Rag2null/ycnull mice are suitable for long-term in vivo propagation of juvenile myelomonocytic leukemia"
- 9:40 **Christoph Koellerer**: "The Cell Cycle Regulators CDK4, CDK6 and Cyclin D3 As Well As the Histone Methyltransferases MLL2 and MLL4 Constitute NF-E2 Target Genes That Participate in a Novel Regulatory Loop"

10:00 COFFEE BREAK

Session 4B chair:

- 10:30 **Gabi Greve**: "Priming of non-small cell lung cancer (NSCLC) cell lines to erlotinib by the histone deacetylase (HDAC) inhibitor panobinostat"
- 10:50 **Soeren Swyter**: "New inhibitors of NAD⁺-dependent deacylases (sirtuins)"
- 11:10 **Milica Tosic**: "LSD1 promotes oxidative metabolism of white adipose tissue"
- 11:30 **Josefina Castex**: "Lsd1 regulates differentiation onset and migration of trophoblast stem cells"
- 12:00 Final remarks and farewell

ADJOURN
