Programme

Monday, June 15, 2015

8.30  Registration

9.00  Welcome by Joan J. Guinovart

9.15  Niche Appropriation by Drosophila Intestinal Stem Cell Tumors
      Bruce A. Edgar, Zentrum für Molekulare Biologie der Universität Heidelberg
      (Heidelberg, Germany)

9.45  A Rapid One-Generation Genetic Screen in a Drosophila Model to Capture
      Rhabdomyosarcoma Effectors and Therapeutic Targets
      Rene L. Galindo, UT Southwestern Medical Center (Dallas, TX, USA)

10.15 - 11.00  Coffee break and poster session

11.00  The contribution of genomic instability to malignant growth in DROSOPHILA
      Cayetano González, ICREA Research Professor/ IRB Barcelona (Barcelona, Spain)

11.30  Short talk 1: Massive redeployment of Polycomb proteins during larval
      development associated with tumor suppression by PRC1 components
      Anne-Marie Martinez, Institute of Human Genetics, CNRS-UPR (Montpellier, France)

11.45  MicroRNAs and cell competition in EGFR driven tumors
      Héctor Herranz, University of Copenhagen (Copenhagen, Denmark)

12.15  Identification of the ligand-receptor system that governs tumor suppressive cell competition
      Tatsushi Igaki, Kobe University Graduate School of Medicine (Kobe, Japan)
12.45 Short talk 2: Differential behavior of cells lacking the tumor suppressors PTEN and Tsc1 in Drosophila
Hugo Stocker, Institute of Molecular Systems Biology, ETH (Zürich, Switzerland)

13.00 - 15.00 Lunch (FrescCo, C/ Carme, 16)

15.00 The 3Rs in oncology: pioneering better science
Sam Jackson, National Centre for the Replacement, Refinement and Reduction of Animals in Research (London, UK)

15.30 Short talk 3: Germline stem cell differentiation, maintenance of sexual identity and tumorigenesis
Helen Salz, Case Western Reserve University (Cleveland, OH, USA)

15.45 An Ancient Defense System Regulates Tissue Fitness During Growth
Laura A. Johnston, Columbia University Medical Center (New York, NY, USA)

16.15 - 17.00 Coffee break and poster session

17.00 Alternative end-joining repair in Drosophila: a low-fidelity solution to prevent genomic catastrophe
Mitch McVey, Tufts University (Medford, MA, USA)

17.30 Short talk 4: High baseline of intestinal stem cell mitosis associates with excessive intestinal inflammatory signaling and tumorigenesis upon infection in Drosophila
Chrysoula Pitsouli, University of Cyprus (Nicosia, Cyprus)

17.45 Delineating the molecular and cellular mechanisms underlying CIN-induced programmed cell death and tumorigenic behavior in epithelial tissues
Marco Milán, ICREA Research Professor/ IRB Barcelona (Barcelona, Spain)

18.15 Short talk 5: The tissue overgrowths caused by Drosophila undead cells require long-range diffusion of Wingless
Luna Ballesteros-Arias, Centro de Biología Molecular Severo Ochoa. CSIC-UAM (Madrid, Spain)

18.30 Short talk 6: Hormonal control of intestinal stem cell homeostasis and tumorigenesis
Andreu Casali, IRB Barcelona (Barcelona, Spain)

Tuesday, June 16, 2015

9.00 Fitness fingerprints of animal cells in cancer and ageing
Eduardo Moreno, University of Bern (Bern, Switzerland)

9.30 Local activation of Yorkie induces organ wasting in Drosophila
Norbert Perrimon, Harvard Medical School (Boston, MA, USA)
Short talk 7: Transcription factor network drives JNK-mediated tumor malignancy
Mirka Uhlirova University of Cologne (Cologne, Germany)

10.15 - 11.00 Coffee break and poster session

An Multidisciplinary Approach to Drug Target Discovery for High Grade Gliomas
Renee D. Read, Emory University School of Medicine (Atlanta, GA, USA)

Dissection of Ras-driven, polarity-impaired tumourigenesis, using the Drosophila eye-antennal epithelium
Helena E. Richardson, Peter MacCallum Cancer Centre Melbourne (Victoria, Australia)

12.00 Autophagy dependence for tumor growth
Tor Erik Rusten, Oslo University Hospital (Oslo, Norway)

Modeling Host-Tumor Interactions in Drosophila
Pradip Sinha, Indian Institute of Technology Kanpur (Kanpur, India)

13.00 - 15.00 Lunch (FrescCo, C/ Carme, 16)

Drosophila as a model for radiation responses of human cancers
Tin-Tin Su, University of Colorado (Boulder, CO, USA)

Systemic effects of tumour related inflammation
Marcos Vidal, Beatson Institute for Cancer Research (Glasgow, UK)

Short talk 8: A conserved tumor suppressive role of the SNARE protein Snap29 in kinetochore formation
Thomas Vaccari Institute of Molecular Oncology (Milan, Italy)

16.15-17.00 Coffee break and poster session

From fly hematopoiesis to human leukemia
Lucas Waltzer, Centre de Biologie du Développement (Toulouse, France)

Regulation of Drosophila neural stem cell self-renewal and differentiation
Hongyan Wang, Duke-NUS Graduate Medical School (Singapore, Singapore)

Exploring the nature of oncogene induced Warburg shift
Utpal Banerjee, University of California (Los Angeles, CA, USA)

Short talk 9: The Drosophila endoderm as a model for the role of GATA factors in EMT and migration
Jordi Casanova, IRB Barcelona/CSIC (Barcelona, Spain)

20.30 Speakers dinner “Restaurant Attic” (C/Ramblas, 120)
Wednesday, June 17, 2015

9.00  Frequent somatic mutation drives neoplasia and genetic mosaicism in aging adult intestinal stem cells  
      Allison J. Bardin, Institute Curie Research division (Paris, France)

9.30  Tumorous effectors of polarity loss  
      David Bilder, University of California (Berkeley, CA, USA)

10.00 Short talk 10: Modeling Malignant Rhabdoid Tumor in Drosophila  
      Wu-Min Deng, The Florida State University (Tallahassee, FL, USA)

10.15 - 11:00 Coffee break and poster session

11.00 Neuronal dedifferentiation and tumour formation  
      Andrea H. Brand, University of Cambridge (Cambridge, UK)

11.30 A Fly Approach to Personalized Cancer Therapeutics  
      Ross Cagan, Icahn School of Medicine at Mount Sinai (New York, NY, USA)

12.00 Regulation of mitosis by Crumbs and Xeroderma pigmentosum D  
      Kwang-Wook Choi, Korea Advanced Institute of Science and Technology (Daejeon, Korea)

12.30 Short talk 11: Combined drug screening and phospho-proteomic analysis identifies strategies for Notch/Akt resistant tumors  
      S. Nahuel Villegas, Instituto de Neurociencias, UMH-CSIC (Alicante, Spain)

12.45 Closing remarks