

IV JORNADAS CIENTÍFICAS GENYO 2016

Miércoles, 14 Diciembre

09.15 - 09.30 WELCOME AND INTRODUCTION

José Antonio Lorente Director Científico de GENyO

Per Anderson Comité Organizador de las Jornadas

PhD STUDENTS (>3 years) SESSION

(20 min+5 min Q&A)

Session Chair: David Cano

09.30 - 09.55 **Francisco Javier Rodríguez Baena**

"Study of the extracellular protease ADAMTS1 and its substrates in the vasculature: relevance for tumour progression and neo-vascularization"

09.55 - 10.20 **M^a Angélica Luque González**

"Integration DestiNA Genomics and xMAP® Luminex® technologies for the development of a novel bead-based platform for the detection of miR-122"

10.20 - 10.45 **Alejandro Díaz Barreiro**

"BANK1: Linking Innate B Cell Pathways and Systemic Lupus Erythematosus"

TECHNO-SCIENTIFIC SESSION

Session Chair: Luis Javier Martínez

10.45 - 11.15 **M^a Jesús García Ortiz** NGqPCR Expert Team Coordinator, Thermo Fischer Scientific-Life Sciences Solutions, EMEA

"Somatic Mutation detection by NGS and Dpqr"

11.15 - 12.30 COFFEE BREAK & 1ST POSTER SESSION

KEYNOTE SPEAKER

Session Chair: Marta Alarcón Riquelme

12.30 - 13.30 **Ivo Gut** Centro Nacional de Análisis Genómico, Center for Genomic Regulation (CNAG-CRG), Barcelona

"Recent Progress in Cancer Genome Analysis"

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13.30 - 15.00 LUNCH provided by organizers

MASTER STUDENTS SESSION

(20 min+5 min Q&A)

Session Chair: Joan Domingo

- 15.00 - 15.25 **Victoria Sánchez Martín**
"c-Myc and miRNAs as Potential Response Biomarkers to 5-Fluoruracil in Locally Advanced Rectal Cancer"
- 15.25 - 15.50 **Amador Gallardo de los Reyes**
"Non-canonical functioning of the molecular clock in pluripotent cells"
- 15.50 - 16.15 **María Tristán Manzano**
"Preclinical studies for Wiskott-Aldrich syndrome gene therapy: WASP expression levels in the megakaryocytic lineage"

16.15 - 17.00 COFFEE BREAK & 2nd POSTER SESSION

PhD STUDENTS (<3 years) SESSION

(20 min+5 min Q&A)

Session Chair: M^a Angélica Luque

- 17.00 - 17.25 **Pablo Tristán Ramos**
"Let-7 microRNA represses mammalian LINE-1 retrotransposition through inhibition of ORF2 translation"
- 17.25 - 17.50 **Helena Gómez Asenjo**
"Nucleosome positioning variability in pluripotent cells is influenced by cell-cycle transition and Polycomb regulators"
- 17.50 - 18.15 **Joel Martín Padrón**
"Role of PKP1 protein in Non-Small-Cell Lung Cancer (NSCLC)"

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Jueves, 15 Diciembre

TECHNO-SCIENTIFIC SESSION

Session Chair: Concepción Marañón

9.30 - 10.00 **Simon Margerison** Senior Manager, Application Support Fluidigm, EMEA
"Understanding biological heterogeneity through Mass Cytometry with Helios"

POSTDOCTORAL RESEARCHERS SESSION

(20 min+5 min Q&A)

Session Chair: Sara R. Heras

10.00 - 10.25 **Guillermo Barturen Briñas**
"SADs reclassification based on methylation profiles"

10.25 - 10.50 **Antonio Herrera Merchán**
"Long Noncoding RNA Fendrr a new biomarker in lung cancer"

10.50 - 11.15 **Elena Carnero Montoro**
"Genome-wide DNA methylation association with autoantibodies production in systemic autoimmune diseases"

11.15 - 12.00 COFFEE BREAK & 3rd POSTER SESSION

MEET THE EDITOR

Session Chair: Juan Carlos Rodríguez-Manzaneque

12.00- 13.15 **María Teresa Villanueva** Senior Editor *Nature Reviews Cancer*, London
"Behind the scenes at Nature Publishing Group"
Followed by an open discussion about the editorial world

13.15 - 13.30 AWARDS AND CLOSING

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Comité Organizador:

Marta Alarcón Riquelme
Per Anderson
Juan Carlos Rodríguez-Manzaneque

Otros Colaboradores

José Luis García-Pérez
Francisco Martín
Pedro Medina
Pedro Real
Alberto Ramírez
María José Mora
Raffaele Donnabella

Patrocinadores



eppendorf



Promega



nirco
Diagnóstico & Investigación



nature
REVIEWS
CANCER



Fisher
Scientific



MACS
Miltenyi Biotec



life sciences solutions



Thermo
SCIENTIFIC



applied
biosystems



invitrogen



gibco



iontorrent



MERCK



Hefagra
Repartimos Salud
es bida
farma



Genyo



Pfizer



JUNTA DE ANDALUCÍA



Universidad de Granada

POSTERS

1. A novel nanotechnology based method to monitor cell proliferation by flow cytometry
Altea Manzano, Patricia, GENYO
2. BCL7A has a tumor suppressor role in hematological malignancies
Baliñas Gavira, Carlos, GENYO
3. Hypoxia regulates Megakaryopoietic Differentiation of Human Pluripotent Stem Cells
Bonillo Lamolda, María del Mar, GENYO
4. Glycoprotein A repetitions predominant (GARP) is required for the expansion of multipotent mesenchymal stromal (MSCs) cells in vitro
Carrillo Gálvez, Ana, GENYO
5. Beclin-1 characterization of circulating tumor cells and their role in the prognosis of non-small cell lung cancer patients undergoing concomitant radiotherapy and chemotherapy
de Miguel Pérez, Diego, GENYO
6. A unique and cost-effective method for mutation profiling of colorectal cancer
Delgado González, Antonio, UGR-GENYO
7. BANK1 interacts with TRAF6 and MyD88 in innate immune signaling of B cells
Díaz Barreiro, Alejandro, GENYO
8. Characterization of a pluripotent stem cell model for acute myeloid leukaemia
Domingo Reinés, Joan, GENYO
9. Optimization of an Artificial Human Skin Model for Transepidermal Water Loss in vitro Study
Estepa Fernández, Alejandra, Complejo Hospitalario Universitario de Granada
10. Suicide gene therapy directed by microRNA activity
Fernández Coira, Isabel, UGR
11. A trans eQTL located at 6p21.33 associated to bilateral Meniere's disease regulates gene expression in the TNFRSF12A and NFKB1 genes
Frejo, Lidia, GENYO
12. Nanobodies generation against influenza virus ion channel
García Medina, Guadalupe, FIBAO
13. Polymer screening to immobilize and enhance platelet production from hPSCs
Guerrero Carreño, Xiomara, GENYO
14. Long Noncoding RNA Fendrr a new biomarker in lung cancer based platform for the detection of miR-122
Herrera Merchan, Antonio, GENYO
15. CoQ deficiency causes disruption of mitochondrial sulfide oxidation, a new pathomechanism associated to this syndrome
Hidalgo Gutiérrez, Agustín, UGR- CIBM
16. Antiproliferative activity of highly selective dapk-1 inhibitors in human leukemic t lymphocytes
Lorente Macías, Álvaro, UGR
17. Integration DestiNA Genomics and xMAP® Luminex® technologies for the development of a novel bead-based platform for the detection of miR-122
Luque González, M^a Angélica, GENYO - Facultad de Farmacia (UGR)

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18. Role of PKP1 protein in Non-Small-Cell Lung Cancer (NSCLC)
Martín Padron, Joel, GENYO
19. The fungal metabolite chaetocin inhibits RNA polymerase I and kills African trypanosomes
Ortiz González, Matilde, GENYO
20. SWI/SNF chromatin remodelling complex and its role in regulating microRNA expression in Non-Small Cell Lung Cancer (NSCLC)
Peinado Fernández, Paola, UGR
21. Vasculogenic mimicry and ADAMTS-1 have a main role in melanoma tumorigenesis: the crosstalk between angiogenesis and tumour microenvironment
Peris Torres, Carlos, GENYO
22. Contribution of the ADAMTS1 protease during tumour progression and antiangiogenic therapy in a melanoma xenograft model
Redondo García, Silvia, GENYO
23. Nanosensor platform for metabolic profiling of breast cancer
Ripoll, Consuelo, GENYO
24. Analysis of genetic biomarkers for prostate cancer management
Robles-Fernandez, Inmaculada, GENYO
25. Study of the extracellular protease ADAMTS1 and its substrates in the vasculature: relevance for tumour progression and neo-vascularization
Rodríguez Baena, Francisco Javier, GENYO
26. Clinical relevance of exosome-derived miRNA expression from locally advanced breast cancer patients undergoing neo-adjuvant chemotherapy treatment
Rodríguez Martínez, Alba, GENYO
27. Developing an in vitro model to analyze the role of Jarid2 in schizophrenia
Serrano Lopera, Aurora, UGR-GENYO
28. Support for PI3K inhibitors as treatment for Lupus using In Silico drug repurposing analysis
Toro Dominguez, Daniel, GENYO
29. Preclinical studies for Wiskott-Aldrich syndrome gene therapy: WASP expression levels in the megakaryocytic lineage
Tristán-Manzano, María, GENYO
30. Somatic mosaicism mediated by LINE retrotransposons: the development of a zebrafish model
Widmann, Thomas, GENYO
31. Development of a nanotool for target deconvolution of aspirin as anticancer drug
Zarza Rebollo, Juan Antonio, GENYO