

# III JORNADAS CIENTIFICAS GENYO - 2015

## PROGRAMA DEFINITIVO:

### **Martes, 15 Diciembre.**

9:30: Introducción a las Jornadas (Dr. José Antonio Lorente, Director Científico de GENYO & Dr. Miguel Martín, Investigador Principal de GENYO)

10:00-11:15: Sesión Investigadores de Máster (15 minutos con 10 minutos de preguntas). Moderada por Isabel Fernández y David Cano:

10:00-10:25 Agustín Hidalgo (CIBM, UGR): Bypass Therapy for Primary Coenzyme Q Deficiency.

10:25-10:50 Laura Marín (GENYO): Changes in nucleosome positioning across cell cycle at bivalent promoters in embryonic stem cells.

10:50-11:15 Joan Domingo (GENYO): Validation of a model for studying the role of HOXA9 gene in paediatric acute myeloid leukaemia based on human stem cells.

11:15-11:45: Conferencia científico-técnica Roche:

11:45-12:15: Descanso café (servicio de catering patrocinado por Astella)

11:45-13:00: Sesión de Pósters

13:00-14:00: Conferencia Inaugural (Dr. Faustino Mollinedo, CSIC, Madrid): Alkylphospholipid induced apoptosis by lipid raft reorganization and endoplasmic reticulum stress as a promising strategy in cancer therapy

14:00-16:00: Descanso aperitivo (servicio de catering patrocinado por Roche Pharma)

16:00-17:15: Sesión Investigadores Predoctorales (menos de 3 años de experiencia) (15 minutos con 10 minutos de preguntas). Moderada por Almudena Sánchez y Ana Carrillo:

16:00-16:25 Angélica Luque (GENYO): Identification of Trypanosomatids through Single Nucleotide Fingerprint and Dynamic Chemistry.

16:25-16:50 Anny Camelo (CSISP-FISABIO, Valencia; Dpto. Microbiología, UGR): Characterization of the anti-caries double function by oral probiotic *Streptococcus dentisani*.

16:50-17:15 Sabina Sánchez (GENYO): Improvement of integrative deficient lentiviral vectors (IDLV) design.

### **Miércoles, 16 Diciembre.**

10:00-11:15: Sesión Investigadores Predoctorales (más de 3 años de experiencia) (15 minutos con 10 minutos de preguntas). Moderada por Teresa Requena y Juan Diego Unciti:

10:00-10:25 Alejandro Díaz (GENYO): The SLE variant Ala71Thr of BLK severely decreases protein abundance and binding to BANK1 through impairment of the SH3 domain function.

10:25-10:50 Oscar Navarro (GENYO): The role of RUNX1c in hematopoietic specification from human pluripotent stem cells.

10:50-11:15 David Cano (GENYO): Epigenetic impact of de novo LINE-1 insertions in pluripotent human cells.

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11:15-11:45: Descanso café (servicio de catering patrocinado por Astra Zeneca)

11:15-12:30: Sesión de Pósters

12:30-13:30: Conferencia de Clausura (Dr. Thomas Graf, Centro de Regulación Genómica, Barcelona): Mechanisms of cell reprogramming.

13:30-15:30: Descanso aperitivo (servicio de catering)

15:30-16:45: Sesión Investigadores Postdoctorales (15 minutos con 10 minutos de preguntas). Moderada por Verónica Ayllón:

15:30-15:55 Sara Rodríguez (GENYO): Let7 microRNA controls mammalian LINE-1 retrotransposition.

15:55-16:20 Ina Georg (GENYO): Studying the interaction of Bank1 with TRAF6 in innate immune signaling of B cells.

16:20-16:45 Antonio Herrera (GENYO): LncRNA Fendrr regulates expression of tumor suppressor FoxF1 in lung cancer.

16:45-18:00: Sesión de Pósters

18:00: Entrega de Premios y Clausura de las Jornadas

## Pósters

1. Antonio Herrera (GENYO): LncRNA Fendrr regulates expression of tumor suppressor FoxF1 in lung cancer.
2. Ana Ariza (GENYO): Deciphering a possible role of Line retrotransposition during tissue regeneration.
3. Rafael González (Dpto. Farmacología, F. Medicina, UGR): Efecto del estrés social en modelos de dolor somático y visceral.
4. Francisco Gabriel Ortega (GENYO): Clinical significance of circulating tumor cells under epithelial-mesenchymal transition in locally advanced breast cancer patients.
5. Ina Georg (GENYO): Studying the interaction of Bank1 with TRAF6 in innate immune signaling of B cells.
6. Lourdes López (GENYO): Generation of an experimental model of Bernard Soulier syndrome.
7. Sandra Ríos (Dpto. Radiología, UGR; Servicio de Oncología, HUVN): Radiation response in 2D and 3D breast cancer cell models: influence of redox status.
8. Sara Rodríguez (GENYO): Let7 microRNA controls mammalian LINE-1 retrotransposition.
9. Teresa Valero (GENYO): Can nanotechnology assess drug promiscuity? A proof of concept.
10. Thomas Widmann (GENYO): Somatic mosaicism mediated by LINE retrotransposons: the development of a zebrafish model.
11. Alejandro Díaz (GENYO): The SLE variant Ala71Thr of BLK severely decreases protein abundance and binding to BANK1 through impairment of the SH3 domain function.

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12. Carmen Lupiáñez (GENYO): Type 2 diabetes-related variants influence on the risk of developing Multiple Myeloma: Results from the IMMEnSE consortium.
13. Juan David Cano (GENYO): Epigenetic impact of de novo LINE-1 insertions in pluripotent human cells.
14. Eva Blanco (GENYO): LINE-1 activity in Fanconi Anemia patients: an iPSC based disease model.
15. Gema Jiménez (IBIMER, UGR): Low adherent cancer cell subpopulations are enriched in tumorigenic and metastatic epithelial-to-mesenchymal transition-induced cancer stem-like cells.
16. Laura Boyero (GENYO): Functional analysis of Plakophilin-1 (PKP1) gene in Non-Small Cell Lung Cancer (NSCLC).
17. Luz Canet (GENYO): Polymorphisms in steroid hormone-related genes are associated with the risk of rheumatoid arthritis and response to anti-TNF therapy: a multicenter study.
18. Miguel Ángel Tejada (Dpto. Farmacología, F. Medicina, UGR): Control of endogenous opioid analgesia during inflammation by peripheral sigma-1 receptors.
19. Oscar Navarro (GENYO): The role of RUNX1c in hematopoietic specification from human pluripotent stem cells.
20. Suyapa Amador (GENYO): Proliferating Cell Nuclear Antigen (PCNA) regulates LINE-1 retrotransposition.
21. Victoria Cano (GENYO): Effect of Functionalization of Polystyrene Nanoparticles on the Formation of Protein.
22. Carlos Peris (GENYO): Effect of extracellular matrix on sprouting angiogenesis: an experimental and mathematical approach.
23. Consuelo Ripoll (GENYO): Intracellular Zn<sup>2+</sup> detection with quantum dot-based FLIM nanosensor.
24. Isabel Fernández (GENYO): Suicide gene therapy directed by microRNA activity.
25. Joel Martín (GENYO): Generating and characterizing inducible PKP1 knock-down and over-expressed Non-Small-Cell Lung Cancer (NSCLC) clonal cell lines to find out PKP1's role in cancer.
26. José Manuel Sánchez (GENYO): Lack of association between a missense polymorphism in *FcR3A* gene and risk of developing RA and response to anti-TNF or anti-CD20 drugs in RA patients.
27. Angelica Luque (GENYO): Identification of Trypanosomatids through Single Nucleotide Fingerprint and Dynamic Chemistry.
28. Matilde Ortiz (GENYO): High-throughput screening platform for natural product based drug discovery against human African trypanosomiasis.
29. Carmen Martín (GENYO): Genetic heterogeneity in autosomal dominant familial MD.
30. Meriem Benkaddour (GENYO): Inhibiting endogenous LINE-2 retrotransposition as a model to understand the impact of somatic retrotransposon insertions in zebrafish.
31. Orlando Serrano (GENYO): Posible implicación de la Proteasa ADAMTS1 en procesos de Neovascularización en Glioblastoma.
32. Patricia Altea (GENYO): Cancer cells break away canonical metabolic pathways to sustain proliferation and successfully overcome selective pressure.
33. Sabina Sánchez (GENYO): Improvement of integrative deficient lentiviral vectors (IDLV) design.

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34. Ángeles Montilla (Dpto. Farmacología, F. Medicina, UGR): Grip strength as a translational measure of pain induced by inflammatory arthritis in the mouse.
35. Anny Camelo (CSISP-FISABIO, Valencia; Dpto. Microbiología, UGR): Characterization of the anti-caries double function by oral probiotic *Streptococcus dentisani*.
36. Antonio Delgado (GENYO): Optimization of fluorophore partners for the development of a novel nanoplatform for fluorescence based detection of circulating nucleic acids as cancer diagnosis tool.
37. Auxiliadora Olivares (Dpto. Radiología, IBIMER, UGR): Cancer stem cells, extracellular matrix remodelling enzymes and ionizing radiation.
38. Carlos Baliñas (GENYO): BCL7A's role in hematological malignancies.
39. César López (GENYO): Regulation of LINE-1 by RNase H2.
40. Diego De Miguel (GENYO): Circulating tumor cells as predictive marker of relapse in non-small cell lung cancer patients undergoing radical resection vs. genetic profile expression of primary tumor.
41. Eliana Barriocanal (CIBM, UGR): Gene therapy corrects mitochondrial dysfunction in MEFs and HSCs from *Coq9<sup>R239X</sup>* mice.
42. Giulia Lori (GENYO): Evaluation of prodrug activation by palladium-conjugated nanospheres.
43. Carmen Griñán (IBIMER, UGR): Influence of ionizing radiation in miRNAs levels of breast cancer stem cells.
44. Helena Gómez (GENYO): Jarid2 is required to establish a nucleosome free region at bivalent promoters in ES cells.
45. Saúl Abenhamar Navarro (IBIMER, CIBM, UGR): Anticancer activities of curcumin-loaded liquid lipid nanocapsules against human breast cancer cells.
46. Agustín Hidalgo (CIBM, UGR): Bypass Therapy for Primary Coenzyme Q Deficiency.
47. Alberto Ramírez (GENYO): Polymorphisms in steroid hormone-related genes are associated with the risk of rheumatoid arthritis and response to anti-TNF therapy: a multicenter study.
48. Joan Domingo (GENYO): Validation of a model for studying the role of HOXA9 gene in paediatric acute myeloid leukaemia based on human stem cells.
49. Laura Marín (GENYO): Changes in nucleosome positioning across cell cycle at bivalent promoters in embryonic stem cells.
50. María Romo (GENYO): Differences in the expression of circadian clock core components between embryonic and neural stem cells.
51. Pablo Tristán (GENYO): Regulation of LINE-1 retrotransposition by let-7b microRNA: a direct or indirect effect?
52. Paola Peinado (GENYO): MicroRNA expression regulation by chromatin remodeling complexes in Non-Small Cell Lung Cancer (NSCLC).
53. Paula Perissini (GENYO): Analysis of the expression and retrotransposition of LINE-1 in mouse Embryonic Stem Cells.
54. Silvia Redondo (GENYO): Caracterización de la acción de la proteasa extracelular ADAMTS1 en el modelo tumoral *Lewis Lung Carcinoma*.
55. Federico González (GENYO): Estudio de la función del ligando DLL4 en la diferenciación hematopoyética embrionaria humana usando hPSCs.

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## Patrocinadores:



## Comité Organizador:

- Miguel Martín
- María José Serrano
- David Landeira
- M<sup>a</sup> Jose Mora
- Alberto Ramírez

## Comité Científico:

- Miguel Martín
- María José Serrano
- David Landeira
- Juan Carlos Rodríguez-Manzanares
- Juan José Díaz

## Con la colaboración de los investigadores de GENYO:

Verónica Ayllón, Teresa Requena, Juan Diego Unciti, David Cano, Almudena Sánchez, Isabel Fernández, Ana Carrillo, Carmen Martín y Rafael Contreras

