

1st & 2nd of July
Faculty of Biology, Vigo, Spain

CLINBIO

3 Annual Meeting

From bench to bedside: diagnosis, therapy & data analysis

Programme



Universida de Vigo

Centro de
Investigacións
Biomédicas

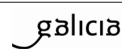
Facultade
de Bioloxía



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PROQUINORTE

3rd Annual Meeting CINBIO
From bench to bedside: Diagnosis, Therapy & Data Analysis

Conference Programme. DAY 1 - 1st July, 2019

9:00 - 9:30 **Registration**

9:30 - 10:00 **Opening and Welcome**

Session 1 Chairs: **Dr. Hugo López-Fernández** **Dr. Carmen P. Gómez**

10:00 - 10:45 **KS1 - Fátima Al-Shahrour.** Spanish National Cancer Research Center (CNIO), Madrid.

Identifying druggable genetic dependencies for personalized cancer therapy

10:45 - 11:00 **ST13 - Manuel Mendoza.** Universidade de Vigo, Vigo.

RADAR: R package for RNA-Seq experiment design and analysis

11:00 - 11:15 **ST14 - Cláudia Lopes.** International Iberian Nanotechnology Laboratory, INL, Braga.

Validation of a microfluidic device for the isolation and characterization of circulating tumor cells towards cancer progression monitoring in metastatic breast cancer

11:15 - 11:30 **ST1 - Alba Nogueira-Rodríguez.** SING Group, Universidade de Vigo.

Real time Computer-Aided Diagnosis in colorectal cancer using Deep Learning techniques

11:30 - 12:15 **Coffee & Posters**

Session 2 Chairs: **Dr. Loretta De Chiara** **Dr. Rosana Simón-Vázquez**

12:15 - 12:45 **IS2 - Angel Díaz-Lagares.** IDIS, CIBERONC, Oncomet, Santiago de Compostela.

Epigenetic biomarkers in cancer: moving towards liquid biopsy

12:45 - 13:15 **IS3 - Carmen Álvarez-Lorenzo.** IDIS, Pharmacy, USC, Santiago de Compostela.

Medical devices as drug delivery platforms: nanotechnology aids and translational issues

13:15 - 13:30 **ST2 - Olivia Estévez Martínez.** CINBIO-Universidade de Vigo.

Differential gene expression analysis for the identification of different TB infection profiles

13:30 - 13:45 **ST3 - Saida Ortolano.** IIS-Galicia Sur- H. Álvaro Cunqueiro, Vigo.

Functional evaluation of an AAV9 vector expressing alpha-Galactosidase A for potential gene therapy of Fabry disease

13:45 - 15:30 **Lunch & Networking**

Session 3 Chairs: **Dr. Sergio Gómez-Graña** **Dr. Ana Sousa-Castillo**

15:30 - 16:00 **IS4 - Alejandro Baeza García.** ETSI Aeronautics and Space, UPM, Madrid.

Targeting 2.0. Towards a rational design to selective nanocarriers in oncology

16:00 - 16:15 **ST4 - Marcelina Abal Sanisidro.** Instituto de Investigación Sanitaria, IDIS, Santiago de Compostela.

Development and evaluation of nanosystems for Photodynamic Therapy triggered by bioluminescence

16:15 - 16:30 **ST5 - Juan L. Paris.** International Iberian Nanotechnology Laboratory, INL, Braga.

Fluorescence Cross-Correlation Spectroscopy as a tool to guide the formulation of liposome-coated polycation-DNA complexes (lipopolyplexes) for gene therapy

16:30 - 17:00 **Coffee & Posters**

Session 4 Chairs: **Dr. Marta Cousido-Rocha** **Dr. Lorena Vázquez-Iglesias**

17:00 - 17:30 **IS5 - María Xosé Rodríguez-Álvarez.** Basque Center for Applied Mathematics (BCAM), Bilbao.

On the statistical evaluation of diagnostic and prognostic tests: When patient information beyond test's result can make a difference

17:30-17:45 **ST6 - Marcos Loureiro-Ga.** Instituto de Investigación Sanitaria Galicia Sur, Vigo.

Optimizing device selection using numerical simulation in Transcatheter Aortic Valve Implantation

17:45-18:00 **ST7 - Carla Moreira.** CMAT- School Of Sciences - University of Minho, Braga.

Dealing with measured confounders in observational studies: The impact of type of birth in childhood obesity

FROM BENCH TO BEDSIDE

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Conference Programme. DAY 2 - 2nd July, 2019

FROM BENCH TO BEDSIDE

Session 1		Chairs: Dr. Sergio Gómez-Graña	Dr. José A. Souto
9:30 - 10:15	KS2 - Jesús M. de la Fuente. ICMA, Zaragoza.		
	<i>Studying the heat effect of nanoparticles</i>		
10:15 - 10:45	IS6 - Nuria Martínez Sáez. Utrecht University, Utrecht and Glycotechnology Laboratory, CIC biomaGUNE, San Sebastián.		
	<i>Carbohydrate-based vaccine development</i>		
10:45 - 11:00	ST8 - Alexandra Teixeira. International Iberian Nanotechnology Laboratory (INL), Braga.		
	<i>Development of an ultrasensitive and low cost paper-based SERS sensor for cell differentiation</i>		
11:00 - 11:15	ST9 - Andrea Mariño López. Universidade de Vigo, Vigo.		
	<i>Keeping an eye on the eye through plasmonics: Contact lenses with Au/SiO2 m-capsules</i>		
11:15 - 11:30	ST10 - Paula Rivas Ramirez. CNRS - Sorbonne Université, Paris.		
	<i>Role of TRPC and GLUD channels in mGLU1/5-gated current in dopamine neurons</i>		
11:30 - 12:00	Coffee & Posters		
Session 2		Chairs: Dr. Sonia Prado-López	Dr. Miguel Arenas
12:00 - 12:30	IS7 - Roberto Piñeiro Cid. Roche-CHUS Joint Unit, Santiago de Compostela.		
	<i>Study of the contribution of clusters of CTCs to the metastasis of breast cancer</i>		
12:30-12:45	ST11 - Inês Mesquita. Life&Health Sciences Research Institute ICVS, School of Medicine, Braga.		
	<i>HIF-1a deficiency dysregulates lipid metabolism and increases susceptibility to Leishmania donovani infection</i>		
12:45-13:00	ST12 - Rocío Castro Viñuelas. INIBIC-Complejo Hospitalario Universitario A Coruña (CHUAC).		
	<i>Human induced pluripotent STEM cell-lines (iPSC) generation as an in vitro model of hand osteoarthritis</i>		
13:00 - 13:30	IS8 - Carla Oliveira. I3S, University of Porto, Porto.		
	<i>Molecular determinants of gastric cancer: predisposing factors and intra-tumoral heterogeneity</i>		
13:30-14:00	Prizes and closing remarks		

Dr. Miguel Arenas (S) (O)
 Dr. Marta Cousido-Rocha (S) (O)
 Dr. Loretta De Chiara (S) (O)
 José María Esteban (O)
 Jorge Giráldez (O)
 Dr. Carmen P. Gómez (S) (O)
 Dr. Sergio Gómez-Graña (S) (O)
 Chus Longa (O)

Dr. Hugo López-Fernández (S) (O)
 Dr. Sonia Prado-López (S) (O)
 Dr. Rosana Simón-Vázquez (S) (O)
 Dr. Ana Sousa-Castillo (S) (O)
 Dr. Jose A. Souto (S) (O)
 Dr. María Dolores Torres (S) (O)
 Dr. Lorena Vázquez-Iglesias (S) (O)

(KS) Keynote Speaker (IS) Invited Speaker (ST) Short Talk
 (S) Scientific Committee (O) Organizing Committee



AMcinbio@uvigo.es

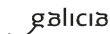
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FEDER. Unha maneira de facer Europa. Promover o desenvolvemento tecnolóxico, a innovación e unha investigación de calidade. Centro Singular de Investigación de Galicia 2016-2019.