

## I ANNUAL MEETING CINBIO

17 OCTOBER 2017

8:45 - 9:00	Registration
9:00 - 9:15	Opening and Welcome <b>TOPIC: NANOTECHNOLOGY</b> <b>Chairs: Dr. Ana Querejeta Fernández and Dr. Leonardo Furini</b> (Team Nano Tech Group. University of Vigo). <i>"Nanofabrication, Functionalization and Application of Plasmonic Nanostructures in Optical Spectroscopy"</i> <b>Prof. Dr. Santiago Sánchez Cortés</b> Consejo Superior de Investigaciones Científicas. CSIC. Madrid. Spain.
9:15 - 10:15	<i>"Lateral flow immunoassay coupled to Au@Ag SERS tags for ultrasensitive detection of Pneumolysin"</i> <b>Verónica Montes-García, Predoctoral student</b> Colloid Chemistry Group. University of Vigo.
10:15-10:30	
<b>10:30-11:00</b>	<b>Coffee &amp; Posters</b> <b>TOPIC: IMMUNITY AND INFLAMMATION</b> <b>Chairs: Dr. Yolanda Diz Chaves</b> (Endocrinology Group. University of Vigo) and <b>Dr. José A. Souto Salgado</b> (ORCHID Group. University of Vigo). <i>"Chemical tools for selective protein modification"</i> <b>Dr. Omar Boutureira Martín.</b> University of Rovira i Virgili. Tarragona. Spain. <i>"Liraglutide treatment prevented the increased expression of proinflammatory cytokines in the hippocampus of male pups but not in females in a perinatal stress model of food restriction".</i> <b>Dr. Yolanda Diz Chaves.</b> Endocrinology Group. University of Vigo.
11:00 - 12:00	
12:00 -12:20	<b>TOPIC: CANCER</b> <b>Chairs: Dr. Sonia Prado</b> (Evolutionary Genomics Group. University of Vigo) and <b>Dr. Loretta De Chiara</b> (Molecular Biomarkers. University of Vigo). <i>"Analysis of incidence of chronic granulocytic leukaemia using level set estimation"</i> <b>Dr. Paula Saavedra</b> Statistical Inference, Decision & Operations Group. University of Vigo.
12:20-12:35	<i>"Estimation of the conditional survival function in breast cancer patients using R: the condSURV"</i> <b>Dr. Marta Sestelo</b> Statistical Inference, Decision & Operations Group. University of Vigo
12:35 - 12:50	
<b>13:00 - 14:00</b>	<b>Lunch</b> <b>TOPIC: CANCER</b> <b>Chairs: Dr. Sonia Prado</b> (Evolutionary Genomics Group. University of Vigo) and <b>Dr. Loretta De Chiara</b> (Molecular Biomarkers. University of Vigo). <i>"Epigenetics in personalized oncology: biomarker discovery "</i> <b>Dr. Anna Martínez Cardús.</b> IDIBELL Bellvitge Biomedical Research Institute. Barcelona. Spain.
14:00-15:00	<i>"Studying clonal dynamics in leukaemia using single cell genomics"</i> <b>Alba Rodríguez Meira, Predoctoral student.</b> Weatherall Institute of Molecular Medicine, University of Oxford, Oxford, UK.
15:00 - 15:45	
<b>15:45 - 16:15</b>	<b>Coffee &amp; Posters</b> <b>TOPIC: NANOTECHNOLOGY</b> <b>Chairs: Dr. Ana Querejeta Fernández and Dr. Leonardo Furini</b> (Team Nano Tech Group. University of Vigo). <i>"Nanomaterials for Catalysis and Sustainable Energy"</i> <b>Prof. Dr. Anna Klinkova</b> University of Waterloo. Ontario. Canada.
16:15-17:15	<i>"Tobacco mosaic virus-functionalized mesoporous silica nanoparticles, a wool ball-like nanostructure for intracellular drug"</i> <b>Laura Marín Caba, Predoctoral student.</b> Team Nano Tech Group. University of Vigo.
17:15-17:30	

17:30-17:45 *"Smart hybrids with photocatalytic activity activated by reversible and controllable formation of hot spots"*  
**Yoel Negrín Montecelo, Predoctoral student.**  
Team Nano Tech Group. University of Vigo.

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**TOPIC: IMMUNITY AND INFLAMMATION**

**Chairs: Dr. Yolanda Diz Chaves** (Endocrinology Group. University of Vigo) and **Dr. José A. Souto Salgado** (ORCHID Group. University of Vigo).

9:00 - 9:20 *"Role of incretins on lung fibrosis"*

**Juan Fandiño, Predoctoral student.**

Endocrinology Group. University of Vigo.

9:20-9:40 *"ERAP1 and HLA-C interaction in inflammatory bowel disease in the Spanish population"*

**Dr. Patricia Castro Santos.**

Immunology Group. University of Vigo.

**TOPIC: CANCER**

**Chairs: Dr. Sonia Prado** (Evolutionary Genomics Group. University of Vigo) and **Dr. Loretta De Chiara** (Molecular Biomarkers. University of Vigo).

9:40-10:40 *"Investigating the Role of Bone Marrow Derived MSCs in Prostate Cancer Development and Progression"*

**Dr. Sharon Glynn.**

School of Medicine. Costello Rd. Galway.

10:40-11:05 *"Synthesis and structural revision of Baulamycin A and B: a potent inhibitor of siderophore biosynthesis"*

**Dr. Paula Lorenzo.**

Organic Chemistry Group. University of Vigo.

11:05-11:45

Coffee & Posters

**ROUND TABLE**

11:45 - 12:00 *"Retrotransposition in human cancers"*

**Bernardo Rodríguez Martín, Predoctoral student.**

Mobile Genome Diseases Group. University of Vigo.

12:00-12:15 *"Whole-genome amplification of cancer single cells"*

**Nuria Estevez, Predoctoral student.**

Evolutionary Genomics Group. University of Vigo.

12:15-12:30 *"Liquid biopsy in colorectal cancer: Epigenome-wide discovery of methylation biomarkers in circulating cell-free DNA"*

**María Gallardo Gómez, Predoctoral student.**

Molecular Biomarkers Group. University of Vigo

12:30-13:00 *"Identification of cell clones from tumor sequencing data"*

**Harry Detering, Predoctoral student.**

Evolutionary Genomics Group. University of Vigo.

13:00

Closing