

I ANNUAL MEETING CINBIO

16 OCTOBER 2017 MONDAY

8:45 - 9:15 Registration

9:15 - 9:30 Opening and Welcome

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).

9:30 - 10:30 *"Next generation of incretin complexes for specific therapeutics"*

Prof. Dr. Timo Müller.

Institute for diabetes and Obesity (IDO). Helmholtz Zentrum München, Munich. Germany.

10:30-10:50 *"Role of incretins on lung fibrosis"*

Juan Fandiño, Predoctoral student.

Endocrinology Group. University of Vigo.

10:50-11:10 *"ERAP1 and HLA-C interaction in inflammatory bowel disease in the Spanish population"*

Dr. Patricia Castro Santos.

Immunology Group. University of Vigo.

11:10-11:45

Coffee & Posters

11:45 - 12:45 *"Chemical tools for selective protein modification"*

Dr. Omar Boutoureira Martín.

University of Rovira i Virgili. Tarragona. Spain.

12:45 - 13:05 *"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".*

Dr. Yolanda Diz Chaves.

Endocrinology Group. University of Vigo.

13:05 - 14:00

Lunch

TOPIC: NANOTECHNOLOGY

Chairs: Dr. Ana Querejeta Fernández and Dr. Leonardo Furini (Team Nano Tech Group. University of Vigo).

14:00-15:00 *"Nanomaterials for Catalysis and Sustainable Energy"*

Prof. Dr. Anna Klinkova

University of Waterloo. Ontario. Canada.

15:00 - 15:15 ***"Tobacco mosaic virus-functionalized mesoporous silica nanoparticles, a wool ball-like nanostructure for intracellular drug delivery"***.

Laura Marín Caba, Predoctoral student.

Team Nano Tech Group. University of Vigo.

15:15 - 15:30 ***"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.

15:30-16:00

Coffee & Posters

16:00 - 17:00 ***"Nanofabrication, Functionalization and Application of Plasmonic Nanostructures in Optical Spectroscopy"***

Prof. Dr. Santiago Sánchez Cortés

Consejo Superior de Investigaciones Científicas. CSIC. Madrid. Spain.

17:00-17:15 ***"Surface enhanced Raman spectroscopy (SERS) for biosensing applications"***

Dr. Gustavo Bodelón

Colloid Chemistry Group. University of Vigo.

17:15-17:30 ***"Lateral flow immunoassay coupled to Au@Ag SERS tags for ultrasensitive detection of Pneumolysin"***

Verónica Montes-García, Predoctoral student

Colloid Chemistry Group. University of Vigo.

17 OCTOBER 2017 TUESDAY

TOPIC: CANCER

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

9:00-10:00 ***"Investigating the Role of Bone Marrow Derived MSCs in Prostate Cancer Development and Progression"***

Dr. Sharon Glynn.

School of Medicine. Costello Rd. Galway.

10:00-10:25 ***"Synthesis and structural revision of Baulamycin A and B: a potent inhibitor of siderophore biosynthesis"***

Dr. Paula Lorenzo.

Organic Chemistry Group. University of Vigo.

10:25-10:45 ***"Retrotransposition in human cancers"***

Bernardo Rodríguez Martín, Predoctoral student.

Mobile Genome Diseases Group. University of Vigo.

10:45-11:05 ***"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.

11:05 -11:30

Coffee & Posters

11:30 -12:15 ***"Epigenetics in personalized oncology: biomarker discovery "***

Dr. Anna Martínez Cardús.

IDIBELL Bellvitge Biomedical Research Institute. Barcelona. Spain.

ROUND TABLE

12:15-13:30 ***"Analysis of incidence of chronic granulocytic leukaemia using level set estimation"***

Dr. Paula Saavedra

Statistical Inference, Decision & Operations Group. University of Vigo.

"Pandrugs: personalized medicine system in Cancer"

Dr. Miguel Reboiro Jato.

Next Generation Computer Systems Group. University of Vigo.

"Whole-genome amplification of cancer single cells"

Nuria Estevez, Predoctoral student.

Evolutionary Genomics Group. University of Vigo.

"Estimation of the conditional survival function in breast cancer patients using R: the condSURV package"

Dr. Marta Sestelo

Statistical Inference, Decision & Operations Group. University of Vigo

"Identification of cell clones from tumor sequencing data"

Harry Detering, Predoctoral student.

Evolutionary Genomics Group. University of Vigo.

13:30 - 14:15 ***"Studying clonal dynamics in leukaemia using single cell genomics"***

Alba Rodríguez Meira, Predoctoral student.

Weatherall Institute of Molecular Medicine, University of Oxford, Oxford, UK.

14:15 **Closing**