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Biomedical Capacities Support Programme

FIRST SCIENTIFIC BIOCAPS SEMINAR 2013

Interdisciplinary Science on Biomedicine

Date: 12th of June 2013

Venue: *Salón de Actos of the Hospital Xeral,
(C/ Pizarro no. 22, 2nd floor, 36204, Vigo)*

Time: 09:00 h



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1st Scientific BIOCAPS SEMINAR 2013

Interdisciplinary Science on Biomedicine

Scientific Programme

12th June 2013

8.45 - 9.00	Registration
9.00 - 9.15	Welcome by coordinator of BIOCAPS <i>Professor África González-Fernández</i>
9.15 - 9.45	<i>Title: Epigenetic modulation to treat cognitive disorders</i> <i>Dr. Roberto Carlos Agis-Balboa.</i> <i>Senior BIOCAPS: Molecular Biologist</i>
9.45 - 10.15	<i>Title: The role of inflammation in peritoneal fibrosis: diagnosis and therapy</i> <i>Dr. Luiz Stark Aroeira</i> <i>Senior BIOCAPS: Expert in inflammation</i>
10.15 - 10.45	<i>Title: Animal models in biomedical research</i> <i>Dr. Eva M^a Vigo Gago</i> <i>Senior BIOCAPS: Expert in research with laboratory animals</i>
10.45 - 11.15	Coffee break
11.15 - 11.45	<i>Title: Biological evaluation of biomaterials for regenerative medicine approaches</i> <i>Dr. Miriam López Álvarez</i> <i>Senior BIOCAPS: Cell Biologist-Regenerative Medicine</i>
11.45 - 12.15	<i>Title: Synthesis and Functionalization of Dendrimers for Biomedical applications</i> <i>Dr. Susana Álvarez Rodríguez</i> <i>Senior BIOCAPS: Pre-clinical pharmacologist</i>
12.15 - 12.45	Welcome Rocío Mosquera <i>Health Regional Minister (Conselleira de Sanidad, Xunta de Galicia)</i> Salustiano Mato <i>Chancellor of the University of Vigo (Rector de la Universidad de Vigo)</i>
12.45 - 13.00	Closure by Coordinator



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BIOCAPS SENIOR RESEARCHERS

Short Biographies



Roberto Carlos Agis-Balboa

Studied Biology at the University of Santiago de Compostela (2001) and obtained his PhD degree in Physiology & Biophysics (2008) at the U. of Illinois at Chicago (USA). Roberto has worked at the European Neuroscience Institute-Goettingen (Germany) since 2008. He was awarded with the prestigious EMBO fellowship (2009-2011) and recently with a German DFG grant (2013-2016). Roberto's research interest is the genome-environment interaction (ie, Epigenome) occurring during the cognitive impairment associated with normal ageing, psychiatric disorders and neurodegenerative diseases. He is particularly interested in the epigenetic regulation of IGF2/IGFBP7 signaling in anxiety disorders and neurodegenerative diseases.



Susana Álvarez Rodríguez

Obtained the PhD in Chemistry in 2006. Dra Álvarez has a strong back ground in synthesis and modification of organic molecules for biomedical applications. She has been involved in the rational design, synthesis and biological evaluation of new inhibitors of Retinoids Receptors and epigenetic regulators and more recently she was focus in the development of new macromolecules like oligomers of nucleic acids and dendrimers for biomedical applications, biological recognition or drug delivery.



Miriam López-Álvarez

Obtained her PhD degree in Sciences/Biomaterials at the Universidade de Vigo in 2010. She has visited expertise centers as 3B's Research Group (Headquarters of the European Institute of Excellence on Tissue Engineering and Regenerative Medicine) (Univ. do Minho), Instituto Engenharia Biomedica (INEB, Univ. do Porto) and Biomimetic-Multifunctional Materials Group (Univ. de Sevilla). After PhD she was responsible for setting up of a cellular laboratory at the New Materials Group (Univ. de Vigo). She has been involved in 7 research projects with more than 15 publications. Her interests are focused on the biological response of biomaterials for bone tissue engineering.



Luiz Stark Aroeira

Is a biologist and PhD in immunology (1994). He has a strong background in cellular and molecular immunology with emphasis on immunological memory and tolerance. He has experience in autoimmune disease developing two new therapeutic approaches for multiple sclerosis. More recently, Luiz has been studying the role of inflammatory mechanisms on tissue regeneration and fibrosis using a model of peritoneal dialysis. This study led to the generation of a new peritoneal dialysis fluid.



Eva Mª Vigo Gago

Obtained a PhD in Biology in 2004. Dra. Vigo has a broad and solid training in experimental surgery techniques in endocrinology. She has developed several projects whose overall objective was to characterize the physiological role of novel endocrine signals in the control of neuroendocrine functions as reproduction and energy homeostasis in animal models, as well as the establishment of the implications of different endocrine signals in highly prevalent neuroendocrine disorders, such as some forms of infertility, alterations of puberty onset and body weight, and other endocrine diseases.