

AGENDA: PRESENT APPROACHES FOR NEURAL TISSUE REGENERATION: NEUROSTIMSPINAL PROJECT

29th September		
TIME (CEST (UTC +2)	ACTIVITY	SPEAKER
10:00 - 10:30	Welcome	Artur Silva (Vice-Rector for R&D, University of Aveiro, Portugal)
10:10 - 10:20	Introduction to the Workshop Objectives and Participants	Paula Marques (Principal Researcher; Mechanical Engineering Department, University of Aveiro, Portugal)
10:20 - 10:30	NeuroStimSpinal: potential applications in other medical fields	Olatz Murua (Senior Reserchear. Market manager responsible for European Programs. TECNALIA Research & Innovation, Spain)
10:30 - 10:50	Engineered carbon-based nanomaterials for stimulating, replacing and re- directing axon growth	Laura Ballerini (Full Professor of Physiology; International School for Advanced Studies SISSA-ISAS Trieste, Italy)
10:50 - 11:10	Decellularized adipose tissue biologic scaffold materials	Iratxe Madarieta (Senior Researcher; TECNALIA Research & Innovation, Spain)
11:10 - 11:30	Immune response to decellularized extracellular matrices and graphene-derived nanostructures as main components of scaffolds for spinal cord injury repair	M Teresa Portolés (Full Professor of Biochemistry and Molecular Biology; University Complutense of Madrid, Spain)
11:30 - 11:40	QUESTIONS & ANSWERS	
11:40 - 12:00	Nervous system tissue engineering	James Philips (Professor of Regenerative Medicine; Co-Director of UCL Centre for Nerve Engineering; Vice-Dean (Innovation
12:00 - 12:20	Scaffolds based on decellularized extracellular matrix and graphene oxide: a route to repair the spinal cord injury	Daniela Silva (PhD Student, University of Aveiro, Portugal)
12:20 - 12:40	Studies towards the development of functional networks on adECM scaffolds for spinal cord injuries	Anti Ranella MSc, PhD (Assistant Researcher at IESL-FORTH and leads the Tissue Engineering –Regenerative
12:40 - 12:50	QUESTIONS & ANSWERS	
12:50 - 14:00	LUNCH BREAK	



AGENDA: PRESENT APPROACHES FOR NEURAL TISSUE REGENERATION: NEUROSTIMSPINAL PROJECT

12:50 - 14:00		
	LUNCH BREAK	
14:00 -14:20	Could graphene materials prompt neural regeneration? Our findings at the rat injured spinal cord	Maria Concepcion Serrano (Tenured Scientist (Energy, Environment and Health), Instituto de Ciencia de Materiales
14:20 - 14:40	Electrical stimulation and scaffold electrical characterization	Guilherme Gil and Patricia Martins (PhD Students, University of Aveiro, Portugal)
14:40 - 15:00	Biofunctionalization of gellan gum materials for neural stem cell delivery	Mafalda P. Cautela and David Gomes. Junior scientis. Stemmaters S.A.
15:00 - 15:20	Glycans in the differentiation of neurons: Neuraminidase Neu3 and galectins as promoters of axon growth and regeneration	José Abad-Rodríguez (Membrane Biology and Axonal Repair LaboratoryParaplejicos Toledo, ES)
15:20 - 15:40	QUESTIONS & ANSWERS	
15:40 - 16:00	COFFEE BREAK	
16:00 - 16:20	Overcoming Barriers to Repair in SCI	Molly Shoichet (Professor, University of Toronto / Former First Chief Scientist, Ontario, Canada)
16:20 - 16:40	Animal models in spinal cord injury research	Alexey Klymov Researcher at Regenerative Biomaterials research group at Radboudumc University Medical Centre Nijmegen, The Netherlands
16:40 - 17:00	Spinal cord injury - from acute trauma to degenerative myelopathy. Update on clinical management	Ricardo Rodrigues-Pinto (Head of Spinal Unit (UVM) at Centro Hospitalar Universitário do Porto)
17:00 - 17:20	Osteogenic differentiation of human dental pulp stem cells in decellularised adipose tissue solid foams	Gaskon Ibarretxe (Full Professor of Cell Biology snd Histology; University of Basque Country, Spain
17:20 - 18:00	GENERAL DISCUSSION	