

Final workshop of the project
*Smart Injectable Drug-Delivery systems for Parkinson's and
Alzheimer's Disease Treatment (PAD-INJ)*

***Engineered Biomaterials And Biomedical Devices In
The Regenerative Medicine Of The Nervous System***

November, 19th -20th, 2015

***“Aula Magna” - Torino Lingotto
Politecnico di Torino – TORINO***

ORGANIZED BY:

-Prof.ssa Valeria Chiono (Politecnico di Torino)

-Prof.ssa Maria Grazia Spillantini (The University of Cambridge)

The workshop is free of charge but the registration is mandatory
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Engineered Biomaterials And Biomedical Devices In The Regenerative Medicine Of The Nervous System

Torino, November 19-20, 2015

November 19th

13.15-14.00	Registration
14.00-14.15	Welcome and Introduction to the Joint Projects for the internationalization of Research <i>Enrico Macii (Vice Rector for Research, Politecnico di Torino)</i>
Session I Advanced therapies in the regenerative medicine of the nervous system <i>Chairs: Jack Brelstaff, Wenxin Wang</i>	
14.15-14.40	Maria Grazia Spillantini (University of Cambridge) <i>Introduction to Alzheimer's and Parkinson's neurodegenerative diseases</i>
14.40-15.05	Alessandro Vercelli (Università di Torino) <i>Cell therapy for neurodegenerative diseases</i>
15.05-15.30	Simona Capsoni (Scuola Normale Superiore di Pisa) <i>Taking pain out of NGF: a new therapeutic approach for Alzheimer's disease</i>
15.30-16.00	Coffee Break and Networking
Session II Politecnico di Torino – University of Cambridge collaboration in the field of neurodegenerative diseases <i>Chairs: Ipsita Roy, Santos Merino</i>	
16.00-16.20	Valeria Chiono (Politecnico di Torino) <i>Injectable hydrogels as Drug-Delivery systems for Parkinson's and Alzheimer's Disease Treatment</i>
16.20-16.40	Marco Sangermano (Politecnico di Torino) <i>Nanocapsules as Drug-Delivery systems for Parkinson's and Alzheimer's Disease Treatment</i>
16.40-17.00	Jack Brelstaff (University of Cambridge) <i>In vitro and in vivo models for the study of neurodegenerative diseases</i>
17.00-17.20	Chiara Tonda-Turo (Politecnico di Torino) <i>Towards New Tissue – engineered in vitro models of neurodegenerative Diseases</i>
<h2 style="text-align: center;">Novembre 20th</h2>	
8.30-9.00	Registration
Session III Nanotechnologies and advanced therapies in the regenerative medicine of the nervous system <i>Chairs: Ipsita Roy, Santos Merino</i>	
9.00-9.25	Nicola Origlia (C.N.R. di Pisa) <i>Early neuronal dysfunction in animal models for Alzheimer's disease: a role for microglia?</i>

9.25-9.50	<p style="text-align: center;">Wenxin Wang (University College Dublin)</p> <p style="text-align: center;"><i>Dendrytic polymers as drug delivery systems for the treatment of neurodegenerative diseases</i></p>
9.50-10.15	<p style="text-align: center;">James Dixon (The University of Nottingham)</p> <p style="text-align: center;"><i>Internalising therapeutic molecules with cell penetrating peptides targeted to membrane bound heparan sulfate</i></p>
10.15-10.40	<p style="text-align: center;">Enrica Vernè (Politecnico di Torino)</p> <p style="text-align: center;"><i>Theranostic magnetic nanoparticles</i></p>
10.40-10.55	Coffee Break and Networking
10.55-11.20	<p style="text-align: center;">Santos Merino (Technological Centre-IK4-Tekniker)</p> <p style="text-align: center;"><i>Innovative biosensors for in vitro evaluation of targeted drug delivery</i></p>
11.20-11.45	<p style="text-align: center;">Ipsita Roy (University of Westminster)</p> <p style="text-align: center;"><i>Polyhydroxyalkanoates as biomaterials for nerve tissue engineering</i></p>
11.45-12.05	<p style="text-align: center;">Gianni Ciofani (Politecnico di Torino, IIT Pisa)</p> <p style="text-align: center;"><i>Potential applications of smart nanoparticles in neurodegenerative diseases</i></p>
12.05-12.30	<p style="text-align: center;">Serena Danti (Università di Pisa)</p> <p style="text-align: center;"><i>Nanotechnology-assisted piezoelectrodes for auditory neuron stimulation: a new therapy for sensorineural hearing loss</i></p>