

MOLECULAR TOOLS TO STUDY NEURODEGENERATION

TRIESTE | SEPTEMBER 19, 2013

MOLECULAR TOOLS TO STUDY NEURODEGENERATION is a workshop aimed at students, researchers, and medical professionals. The main goal of this initiative is to promote the latest knowledge on neurodegenerative disorders and in particular on prion diseases. The topic will be analyzed from various angles: basic molecular mechanisms of neurodegeneration; regulation of cerebral cortex development; functional genomics and gene expression profiling of models of neurodegeneration; recent developments in immunodiagnostics; computational models for therapeutic approaches. This workshop is organized by the Prion Biology Laboratory at SISSA within the framework of the European project Trans2care, FESR 2007-2013 for the cooperation between Italy and Slovenia. The goal of the project is to promote knowledge dissemination and technology transfer, favoring innovative practices and products that address unmet medical needs, such as the burden of neurodegenerative disorders on the healthcare system in the world ageing population.

PROGRAMME

Chairman: Prof. Giuseppe Legname, Trans2care Team Manager, SISSA (PP2)

14.00-14.10

Welcome address

Prof. Giuseppe Legname, Trans2care Team Manager, SISSA (PP2)

14.10-14.40

Overview of neurodegenerative diseases

Prof. Giuseppe Legname, Trans2care Team Manager, SISSA (PP2)

14.40-15.10

Gene expression profiling of BSE-infected macaques

Dr. Maura Barbisin, Trans2care Researcher, SISSA (PP2)

15.10-15.40

Recent developments in prion immunoassays

Anja Lukan and Dr. Tanja Vranac, ZTM-Blood Transfusion Centre of Slovenia (PP10)

15.40-16.10

Prion disease therapeutics: can they be designed and predicted by a computational model?

16.10-16.50

Coffee break

16.50-17.20

Functional genomics of Parkinson's disease

Prof. Stefano Gustincich, SISSA

17.20-17.50

Regulation of cortico-cerebral astrogenesis rates by the transcription factor gene Emx2

Prof. Antonello Mallamaci, SISSA

17.50-18.00

Q&A

Closing remarks

Prof. Sabina Passamonti, Trans2care Team Manager, University of Trieste (LP)

Prof. Giuseppe Legname, Trans2care Team Manager, SISSA (PP2)

WHEN/
WHERE

19th September 2013

02:00 PM

SISSA, Room 5

Via Bonomea, 265

trans2care

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