



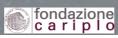
Dottorato in Genetica, Biologia Molecolare e Cellulare Scuola di Dottorato in Scienze della Vita "Camillo Golgi" – Università degli Studi di Pavia

PhD Program in "Genetics, Molecular and Cellular Biology" Coordinator: Prof. Antonio Torroni

> Pavia, 4-8 June 2012 International Course

"From molecular and cellular pathways to human health: insights from basic research"

(Supported by Fondazione Cariplo, Milan)



Pavia, 4-8 June 2012

Aula Grande (Botta 2) - Department of Biology and Biotechnology "L.Spallanzani" -Via Ferrata, 9 - 27100 Pavia

Organizers:

•Prof. Antonio Torroni, Vice-Chancellor for Research, Professor of Genetics, Department of Biology and Biotechnology "Lazzaro Spallanzani", University of Pavia, Pavia (Italy).

•Prof. Guglielmina Nadia Ranzani, Professor of Human Genetics, Department of Biology and Biotechnology "Lazzaro Spallanzani", University of Pavia, Pavia (Italy).

•Prof. Orsetta Zuffardi, Professor of Medical Genetics, Department of Molecular Medicine, University of Pavia, Pavia (Italy).

•Dr. Giuseppe Biamonti, National Research Council, Director of the Institute of Molecular Genetics, Pavia (Italy).

•Dr. Chiara Mondello, National Research Council, Senior Researcher, Institute of Molecular Genetics, Pavia, (Italy).

Speakers:

•Dr. Diana Baralle, Consultant and Honorary Senior Lecturer, School of Medicine, University of Southampton, UK.

•Prof. Han Brunner, Professor of Medical Genetics, Head of the Department of Human Genetics, Radboud University, Nijmegen Medical Centre, Nijmegen, The Netherlands.

•Prof. Dr. Riccardo Fodde, PhD, Chairman Experimental Pathology, Department of Pathology, Erasmus Medical Center, Rotterdam, The Netherlands.

•Dr. Natalia S. Pellegata, Principle Invesigator, Institute of Pathology, German Research Center for Environmental Health (GmbH), Neuherberg, Germany.

•Dr. Silvia Bione, Researcher, National Research Council, Institute of Molecular Genetics, Pavia, (Italy).

•Dr. Roberto Ciccone, Researcher, Department of Molecular Medicine, University of Pavia, Pavia (Italy).

•Prof. Angelo Manfredi, Professor of Internal Medicine, University "Vita-Salute" San Raffaele, Milan (Italy).

•Dr. Donata Orioli, National Research Council, Researcher, Institute of Molecular Genetics, Pavia, (Italy).

•Prof. Alessandro Weisz, Laboratory of Molecular Medicine and Genomics, Faculty of Medicine; Molecular Pathology and Medical Genomics Unit, "S. Giovanni di Dio e Ruggi d'Aragona", University Hospital, University of Salerno, Salerno (Italy).

•Dr. Massimo Zeviani, Director of the Unit of Molecular Neurogenetics Division, Neurological Institute "Carlo Besta", Milan (Italy).

PROGRAM

Monday, 4th June 2012

9:00-9:15 Antonio Torroni: *Introduction* 9:15-10:30 Massimo Zeviani (Neurological Institute "Carlo Besta", Milan): *"Mitochondrial genetics and pathophysiology"* 10:30-10:45 Coffee break 10:45-12:30 Massimo Zeviani: *"Discovery of new genes and pathways in mitochondrial medicine"*

12:30-14:30 Lunch

14:30-16:30 Alessandro Weisz (University of Salerno): "Genomics of estrogen signaling in hormone-responsive breast cancer"

Tuesday, 5th June 2012

9:00-10:50 Roberto Ciccone (University of Pavia): *"Genomic array: benign and causative structural rearrangements"* 10:50-11:10 Coffee break 11:10-13:00 Silvia Bione (CNR, Pavia): *"Data mining in gene lists: relevance for the study of human genetic disorders"*

13:00-14:30 Lunch

14:30-18-30 Computer analysis of a clinical case (two consecutive groups)

Wednesday, 6th June 2012

9:00-10:50 Han Brunner (Nijmegen Medical Centre, The Netherlands): "Genotypes and phenotypes" "Microdeletion syndromes" 10:50-11:10 Coffee break 11:10-13:00 Donata Orioli (CNR, Pavia): "Defining the molecular basis of gene expression deregulation in human disorders, the example of UV-damage repair syndromes"

Wednesday, 6th June 2012 13:00-14:30 Lunch

13:00-14:30 Lunch

14:30-17:30 Poster session

Thursday, 7th June 2012

9:00-10:50 Han Brunner (Nijmegen Medical Centre, The Netherlands): *"How next generation sequencing changes medicine" "A de novo paradigm for intellectual disability"* 10:50-11:10 Coffee break 11:10-13:00 Angelo Manfredi (University "Vita-Salute" San Raffaele, Milan): *"Molecular pathways involved in vessel inflammation and atherothrombosis"*

13:00-14:30 Lunch

14:30-16:30 Natalia Pellegata (German Research Center for Environmental Health, Neuherberg, Germany): "Molecular pathogenesis of neuroendocrine tumors"

Friday, 8th June 2012

9:00-10:50 Natalia Pellegata (German Research Center for Environmental Health, Neuherberg, Germany): "The MENX syndrome as a tool to elucidate the genetics of neuroendocrine tumors" 10:50-11:10 Coffee break 11:10-13:00 Riccardo Fodde (Erasmus Medical Centre, Rotterdam, The Netherlands): "Stemness and cancer: the good, the bad and the ugly"

13:00-14:30 Lunch

14:30-17:30 Diana Baralle (University of Southampton, UK): "RNA splicing and diseases" 17:30-17:45 Conclusions