

ALZHEIMER'S DISEASE: New Perspectives on a Growing Global Health Problem

Academic year 2016/2017

NOVEMBER 7TH -28TH 2016

ALZHEIMER'S DISEASE

New Perspectives on a Growing Global Health Problem

Responsible: *prof. Giovanni Ricevuti, Università di Pavia*

Student Coordinators: *Cristina Bizzotto (Collegio Nuovo), Elisa Piella, Università di Pavia*

1 CFU Optional Course – MED/09

Dementia affects an estimated 46 million people worldwide, a figure set to reach 131.5 million by 2050 according to the "World Alzheimer Report 2015". The world's first G8 dementia summit was held in London on December 11th 2013 and ministers from each of the G8 countries agreed to set an ambition to identify a cure, or a disease-modifying therapy, for dementia by 2025. Alzheimer's Disease (AD) is a neurodegenerative disease that causes a decline in memory and other important mental functions. Being the most common form of dementia, AD constitutes a major challenge for our time. A huge effort is needed: the unravelling of the pathogenetic mechanisms at the basis of AD is still incomplete and new therapeutical approaches are currently under investigation. Indeed, despite decades of reasearch, much more needs to be discovered as regards the specific underlying causes of this conditon. Major classical hallmarks of AD are represented by the accumulation of amyloid plaques and neurofibrillary tangles and several common clinical features of AD have been identified. These include insidious onset, gradual progression, medial temporal atrophy, tempoparietal hypoperfusion, early and prominent deficits in episodic memory and mental tracking, and later deficits in semantic memory. It has become increasingly clear, however, that AD is a heterogeneous disorder and it can actually occur in a variety of clinical variants. Understanding the multifactorial basis of AD pathogenesis is thus clearly of major importance if we want to reach our goal in fighting this condition as it would be the basis for finding efficient prevention strategies and new therapies.

Where and When. Main Lecture Hall Collegio Nuovo (Via Abbiategrasso, 404) – November 7th, 14th, 21st, 28th 2016 (17.30 - 19.30).

PROGRAM

7th November 2016

NOT ONLY ONE DISEASE: CLINICAL VARIANTS IN ALZHEIMER'S DEMENTIA

Prof. Stefano Cappa, Scientific Director IRCCS S.Giovanni di Dio Fatebenefratelli, Brescia, Full Professor, Institute for Advanced Studies, Pavia

14th November 2016

FROM GENETICS OF ALZHEIMER'S DISEASE KEY MESSAGES FOR PATHOGENIC MECHANISMS

Prof. Amalia Cecilia Bruni, Director, Regional Center for Neurogenetics, Lamezia Terme, ASP Catanzaro

21st November 2016

DOES AUTOIMMUNITY PLAY A ROLE IN ALZHEIMER'S DISEASE?

Dr. Galia Tanay, Tel-Aviv University

Prof. Yehuda Shoenfeld, Head of Zabludowicz Center for Autoimmune Diseases, Sheba Medical Center, affiliated to Tel-Aviv University

28th November 2016

PHARMACOLOGY AND ALZHEIMER'S: CURRENT THERAPIES AND NEW EXPERIMENTAL DRUGS

Prof. Stefano Govoni, Full Professor of Pharmacology, Chancellor's Delegate for Teaching Affairs, University of Pavia

Dr. Grazia Dell'Agnello, Australia Canada Europe Regional Neuroscience Senior Medical Advisor, Eli Lilly Italia



The Course is recognized as Extra Curricular Teaching Activity – Undergraduate Courses

COLLEGIO NUOVO – Fondazione Sandra e Enea Mattei

VIA ABBIATEGRASSO, 404 – PAVIA

Cultural and Academic Activities, relest.collegionuovo@unipv.it

Please submit your application on line by November 6h 2016: http://colnuovo.unipv.it/corsi_seminari.html