Curriculum Vitae

Francesco Lolli,

MD, PhD, DrMedSci

Associate Professor of Neurology

University of Florence, Italy

Address:
Dipartimento di Scienze Biomediche Sperimentali e Cliniche
Università degli Studi di Firenze,
viale Pieraccini 6, 50137 Firenze

email: lolli@unifi.it, tel.0039 055 2758420

PERSONAL DATA
Francesco Lolli was born in Florence in 1958 and lives in Florence, Italy.

PRESENT APPOINTMENT:
Associate Professor of Neurology at the Faculty of Medicine of the University of Florence,

HIGHER EDUCATION:
In 1983, he graduated cum laud in Medicine ("MD") at the University of Florence with a thesis entitled "Polymorphonuclear neutral proteases in experimental allergic encephalomyelitis (EAE): an experimental study".

DEGREES, DIPLOMAS AND HONORS:
In 1991 he specialized in Neurology cum laud with a thesis entitled "Central Nervous system HIV infection and B and T cells alterations". This study was published by the Marchi foundation in a book of the "Collana Studi", L. Olschki eds. (Firenze). In 1991, he obtained the italian degree in Clinical and Behavioural Neuroscience at the University of Rome "La Sapienza".
In 1992, he obtained a phD Degree at the Karolinska Institute (Stockholm, Sweden), with a thesis entitled "Intrathecal Synthesis of Immunoglobulins and Immune Alterations in Multiple Sclerosis and HIV infection".

PREVIOUS APPOINTMENTS:
1985 to 1992, fellow at the Department of Neurology and Departments of Immunology and Virology of National Swedish Laboratory of Bacteriology and Virology, Karolinska Institute (Stockholm, Sweden; for a total period of stay of 3 years.
1991-2004, clinical neurophysiology at the University Hospital Careggi of Florence (senior registrar).

TEACHING:
1992 to date, clinical lecturer in Neurophysiology and Neurology, University of Florence.
2010 president of course in "Tecniche di neurofisiopatologia" (Neurophysiological techniques) in the faculty of medicine

Docent in anatomo-physiology of the brain, neurophysiology, neurology

RESEARCH AIMS:
1. New methodologies in the study of the intrathecal synthesis of immunoglobulins and immunological factors in the central and peripheral nervous system demyelinating diseases. Innovative studies of different immunoglobulin classes, CSF free immunoglobulin light chain, complement factors, beta-2-microglobulin, anti-myelin and anti glicolipid antibodies, cytokines.
2. Pathogenetic autoimmune mechanism in central and peripheral nervous system diseases such as Multiple Sclerosis, HIV infections, Guillain-Barré syndrome, CIDP, Multifocal Motor Neuropathy, SLE, polymyositis, rheumatoid arthritis, menigoencephalithis, neurosyphilis, bacterial meningitis and Lyme disease. Immune alterations of bone marrow transplants.
3. Innovative methodologies to the functional study of a single cell (ELISPOT)
4. Innovative neurophysiological studies of CSF dynamics, central and peripheral nervous system infectious and demyelinating diseases.
5. Immune activity of immunesuppressant drugs and other immunologic therapies (plasma-exchange, photopheresis, Ig infusion) in animal models and in humans. These studies brought to the identification of specific mechanisms of action of consolidated therapies and testing of new therapeutic possibility.
6. Studies identifying new conformational autoantigens in the demyelinating pathology of the nervous system.
7. Development and validation of synthetic antigens with a diagnostic value the Multiple Sclerosis. This original approach lead to the chemical synthesis of an artificial product capable to identify autoantibody response in the Multiple Sclerosis.

PATENTS
He is a co-inventor of a patent of the University of Florence: Papini AM, Rovero P, Chelli M, Lolli F, "Glycopeptides, their preparation and use in the diagnosis or therapeutic treatment of multiple sclerosis," Eur. Pat. Appl. (2002), EP02-06767 20020619. Priority: IT 2001-FI114 20010622) and of 5 other international patents.

PUBBLICATIONS
- He authored 91 full papers on international peer-reviewed journals.
- 2 books;
- 3 book chapters;

- 22 proceeding papers
- 3 scientific letters on international journals.

SCIENTIFIC SOCIETIES
He is a member of the Italian Association for Neuroimmunology (AINI)and is the senior manager of the AINI web site: (http://www.aini.it). He head an AINI research unit and coordinates the AINI study group for the analysis of cerebrospinal fluid.

Prices. In 2008, the Frost & Sullivan"2008 European Autoimmune Disease Diagnostics Excellence in Research Award," presented to Toscana Biomarkers, for its outstanding contributions to the research and development of novel biomarkers for the diagnosis of autoimmune diseases, started in 2007 and incubated by the recently born Toscana Life Sciences park in Siena. Toscana Biomarkers is dedicated to the discovery and validation of novel diagnostic and prognostic tests for autoimmune diseases.

English language level: C