

Marco Iannetta, MD, PhD

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Education

- 2018 National habilitation: Associate Professor in Infectious Diseases (06/D4)
(ASN, Bando D.D. 1532/2016)
- 2018 Advanced training in anti-infective therapy (SITA Campus)
Società Italiana Terapia Antinfettiva (SITA)
c/o Academy S.r.l., Via Aosta 4/A, 20155 Milan, Italy
- 2016 National qualification as “Flow Cytometry Expert in Immunology”
Società Italiana di Citometria-GIC
GIC, 00123 Rome, Italy
- 2016 Mini Course on Ultrasound in Tropical Medicine
Dipartimento di Scienze Clinico Chirurgiche, Diagnostiche e Pediatriche
University of Pavia, 27100 Pavia, Italy
- 2013 Statistics in Medicine (certificate of accomplishment with distinction)
Stanford Online, OpenEdX (free online offering)
Stanford University, Stanford, California 94305
- 2013 Small Animal Model Training Course
CNRS Formation Entreprises
Bât 31, Avenue de la Terrasse, 91198 Gif-sur-Yvette, France
- 2012 PhD in Infectious Diseases and Immunological Therapy
Department of Public Health and Infectious Diseases
University of Rome “Sapienza”, P.zza Aldo Moro, 5 - Rome, Italy
- 2011 Advanced training in “Clinical Management of Antiviral Drug Resistances”
Medical School
University of Rome “Tor Vergata”, Via O. Raimondo, 18 - Rome, Italy
- 2011 Second Level Master in “Sepsis in Surgery”
Medical School
Catholic University of Rome “Sacro Cuore”, Largo A. Gemelli, 8 - Rome, Italy
- 2011 Advanced training in “Ultrasonography”
SIUMB (Società Italiana di Ultrasonologia in Medicina e Biologia)
- 2009 Post-graduate School in Infectious Diseases
Department of Public Health and Infectious Diseases
University of Rome “Sapienza”, P.zza Aldo Moro, 5 - Rome, Italy

- 2006 Medical License and registration to the Medical Board of Frosinone, Italy
- 2005 M.D. degree
Medical School
University of Rome “Sapienza”, Piazzale Aldo Moro, 5 - Rome, Italy

Awards and Fellowships

- December 2015 - May 2016 Post-doctoral Research Fellowship for Young Investigators
SIMIT (Società Italiana di Malattie Infettive e Tropicali), Florence, Italy
- July 2015 - September 2015 Post-doctoral Research Fellowship
INSERM (Institut National de la Santé et de la Recherche Médicale). Paris, France
- June 2013 - November 2014 Post-doctoral Research Fellowship
DIM-Malinf (Domaine d'Intérêt Majeur Maladie Infectieuses), Paris, France
- December 2012 - May 2013 and December 2014 - June 2015 Post-doctoral Research Fellowship For Young Investigators
SIMIT (Società Italiana di Malattie Infettive e Tropicali), Florence, Italy

Research Experience

- 2019 - present Research Associate
Department of System Medicine
Tor Vergata University, Rome, Italy
Investigating pathogenesis of infectious diseases in immunocompromised hosts
- 2015 - 2016 Post-doctoral Research Fellow
Department of Public Health and Infectious Diseases
Sapienza University, Rome, Italy
- Investigating eradication strategies for HIV-1 infection with the association of highly active antiretroviral therapies and interferon
- 2012 - 2015 Post-doctoral Research Fellow
Dendritic Cell Physiology Team, in the Infection, Immunity and Inflammation
Department, INSERM Unit 1016
Institut Cochin, Paris, France
- Investigating the role of dendritic cells and their modification in HIV-1 and -2 infection
 - Investigating the role of type I, II and III interferons in the immune pathogenesis of HIV-1 and -2 infection
 - Investigating the immune response to *Chlamydia muridarum* in a mouse model in order to develop a vaccination strategy

- 2009 - 2012 Doctoral student
Department of Public Health and Infectious Diseases
Sapienza University, Rome, Italy
- Investigating the prevalence of Human Herpesvirus-6, -7 and -8 in HIV-1 infected patients under suppressive antiretroviral treatment and their role in T lymphocyte activation and senescence
 - Investigating the reactivation of JC Virus in patients affected by multiple sclerosis, treated with natalizumab
 - Investigating the use of sonication to improve microbiological diagnosis in patients with prosthetic joint and cardiac device infections
- 2005 - 2009 Infectious Disease Internship
Department of Public Health and Infectious Diseases
Sapienza University, Rome, Italy
- Investigating the use of the genetic inhibitory quotient for protease inhibitors as a predictor of treatment failure in HIV-1 patients under HAART treatment

Clinical Experience

- 2019 - present Research Associate
Department of System Medicine
Tor Vergata Teaching Hospital, Rome, Italy
Infectious Disease Unit
- 2016 - 2019 Infectious Disease Specialist
National Institute of Infectious Diseases (INMI) Lazzaro Spallanzani
Via Portuense 292, 00149, Rome, Italy
- 2012 Infectious Disease Specialist
Centro di Accoglienza per Rifugiati e Richiedenti Asilo politico (CARA)
Via della Circonvallazione della Protezione Civile, snc, 00060, Castelnuovo di Porto (Rm), Italy
- 2012 Infectious Disease Consultant
Istituto Neurologico Mediterraneo Neuromed, IRCCS
Via Atinense, 18, 86077, Pozzilli (Is), Italy
- 2011 - 2012 Infectious Disease Consultant
Istituto Clinico Riabilitativo Villa delle Querce
Via delle Vigne, 19, 00040, Nemi (Rm), Italy
- 2010 Infectious Disease Consultant
Medicina Protetta S. Pertini ASL RM B
Via dei Monti Tiburtini 385, Roma
- 2009-2012 Health Promotion Program: Preventing Sexually Transmitted Diseases
Prometeo Project for primary schools
Archè, via Oderzo 34, 00182 Roma

2005-2008 Health Promotion Program: Preventing Sexually Transmitted Diseases
Projects for Secondary schools
ANLAIDS – Associazione Nazionale per la Lotta all'AIDS Via Giolitti, 4 Roma

Teaching Experience

2019 - present Guest Lecturer
Infectious Diseases and Tropical Diseases
School of Medicine
Tor Vergata University, Rome, Italy

2016 - 2018 Guest Lecturer
Infectious Diseases and Tropical Diseases
School of Medicine (Medicine and Surgery “F”)
Sapienza University, Rome, Italy

2016 Guest Lecturer
Nephrology
Nursing School
IFO, “Sapienza” University, Rome, Italy

2012 Guest Lecturer
JC Virus Infection and Progressive Multifocal Leukoencephalopathy (PML)
Master Program in Clinical Neuroimmunology
Department of Neurology and Psychiatry
“Sapienza” University, Rome, Italy

2012 Guest Lecturer
HIV and AIDS: Clinical Aspects
Microbiology Program
Department of Molecular Medicine
Medical School of “Sapienza” University, Rome, Italy

2009 - 2012 Guest Lecturer
Central Nervous System Infectious Diseases
Infectious Diseases Program
Department of Public Health and Infectious Diseases
Medical School of “Sapienza” University, Rome, Italy

2009 - 2012 Teaching assistant
Clinical training for undergraduate medical students
Infectious Diseases Program
Department of Public Health and Infectious Diseases
Medical School of “Sapienza” University, Rome, Italy

Research Techniques and Skills

Extensive experience in

- Biosafety Level-2 protocols
- Tissue processing and culture techniques
 - Peripheral blood mononuclear cell (PBMC) isolation by density gradient centrifugation
 - *In vitro* culture of human blood cells
- Small animal model experimentation
 - Bone marrow cells and splenocyte preparation
 - *In vitro* differentiation of bone marrow derived dendritic cells (BMDC)
- Bacterial growth and preparation
 - Optimized protocols for growth of aerobic and anaerobic bacteria
 - Manual and automatic antibiogram testing
- Cell separation techniques
 - Use of magnetic bead kits to isolate specific cell populations
 - Experience in flow sorting of cells using a BD FACS-Aria
- Multi-parameter flow cytometry
 - Use of BD LSR-II, BD-Fortessa, BD Canto II, BD Calibur, Miltenyi Biotec MACSQuant Analyzer flow cytometers
 - Extremely proficient in both intracellular and surface staining techniques
 - Phosphoprotein analysis in flow cytometry
 - Data analysis through BD FACS-Diva software, FlowJo software and Milteniy Biotec MACSQuantify software, SPICE
- Flow Cytometry Imaging (Amnis ImageStream-X)
- Enzyme-linked Immunosorbent Assays (ELISAs)
- RNA extraction
- RTqPCR with Roche corousel based systems LightCycler 1.5 and 2.0 and LyghtCycler 480 system.

Proficient at:

- DNA Extraction
- Polymerase Chain Reaction (PCR)
- Western blotting

Clinical Skills

- Management of in- and outpatients with acute viral infections (arbovirosis)
- Management of in- and outpatients with chronic viral infections (HIV, HCV, HBV)
- Management of in- and outpatients with tubercular infection
- Management of patients with nosocomial bacterial infection
- Phlebotomy
- Ultrasonography

Languages Italian (native language)
 English (spoken C1, written C1)
 French (spoken C1, written C1)

References

Vincenzo Vullo, M.D.
Research Director, Sapienza University, Rome
Professor of Infectious Diseases, Sapienza School of Medicine, Rome
Head, Department of Public Health and Infectious Diseases, Sapienza University, Rome
Dean, Sapienza School of Medicine (Facoltà di Medicina e Farmacia), Rome
Sapienza Università di Roma
Viale del Policlinico 155, 00189, Rome, Italy
Phone: +39 06 49 97 03 13, Email: vincenzo.vullo@uniroma1.it

Anne Hosmalin, M.D., Ph.D.
Research Director, CNRS
President of the French Society for Immunology (Société Française d'Immunologie)
Head, Infection, Immunity and Inflammation Department
and Dendritic Cell Physiology Team
INSERM Unit 1016, UMR CNRS 8104, Paris-Descartes University
Institut Cochin: Département Infection, Immunité, Inflammation
27, Rue du Faubour Saint Jacques, 75014 Paris, France
Phone: +33 (0)1 40 51 65 06, Email: anne.hosmalin@inserm.fr

Massimo Andreoni, M.D.
Research Director, Tor Vergata University, Rome
Professor of Infectious Diseases, Tor Vergata University, School of Medicine, Rome
Chief Physician of the Infectious Diseases Unit, Tor Vergata University, Rome, Italy
Scientific Director of the “ Società Italiana di Malattie Infettive” (SIMIT)
Tor Vergata University
Viale Montpellier 1, 00133 Rome, Italy
Phone: +39 06 20 90 34 40, Email: andreoni@uniroma2.it

Emanuele Nicastrì, M.D.
Chief Physician of the Unit of Infectious Diseases at High Intensity of Care and Highly Contagious, National
Institute of Health (INMI) Lazzaro Spallanzani
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Phone: +39 06 55 17 02 37, Email: emanuele.nicastrì@inmi.it

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Signature

