

Curriculum Vitae - MARINA BORRO

Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1999	Sapienza University	Biological Sciences Degree
PhD	2004	Sapienza University	PhD in Biochemistry
Post-graduate studies	2007	Sapienza University	Il Level Master in "Metodologie per la ricerca e lo sviluppo di nuove terapie. Disegno e criteri di valutazione dei risultati di trial clinici. Farmaco-economia." ("Methodologies for R&D of new therapies. Design and evaluation of clinical trials. Pharmacoeconomics.")
Specialty	2017	Sapienza University	Clinical Pathology

Appointments

Academic Appointments

Start	End	Institution	Position
2017	Present	Sapienza University - Dep. of Neurosciences, mental health and sensory organs (NESMOS)	Member of the teaching board of the PhD Course "PLASTICITA' NEUROSENSORIALE" (Ciclo 34)
2014	Present	Sapienza University - Dep. of Neurosciences, mental health and sensory organs (NESMOS)	Researcher - Confirmed
2011	2014	Sapienza University - Dep. of Neurosciences, mental health and sensory organs (NESMOS)	Researcher
2010	2011	II Faculty of Medicine and Surgery (presently named Faculty of Medicine and Psicologia)	Research Fellow (Assegno di ricerca) "Effetto della plasmateresi terapeutica sul profilo di espressione proteica: confronto tra emocomponenti tramite tecniche proteomiche".
2006	2009	II Faculty of Medicine and Surgery (presently named Faculty of Medicine and Psicologia)	Research Fellow (Assegno di ricerca) "Tecniche di biologia molecolare nella valutazione dell'espressione genica in diagnostica neurologica, urologica, oncologica e ginecologica. Utilità dei geni biomarker. Sviluppo e applicazione di metodi basati su farmacogenomica e metabolomica per la personalizzazione della terapia in ambito oncologico, neurologico, psichiatrico. Valutazione dell'appropriatezza dei nuovi metodi attuati nella pratica clinica".

2003	2005	Sapienza University – Dep. of Biochemical Sciences A. Rossi Fanelli	Continuing and coordinated collaboration contract (Co.Co.Co). "Separazione e caratterizzazione di proteine estratte da linfociti umani, tramite elettroforesi bidimensionale e spettrometria di massa; messa a punto di metodologie proteomiche volte all'analisi di peptidi antimicrobici da linfociti, nell'ambito dello studio di patologie correlate all'immunità innata."
2000	2000	Sapienza University – Dep. of Biochemical Sciences A. Rossi Fanelli	Continuing and coordinated collaboration contract (Co.Co.Co). "Isolamento di geni codificanti peptidi antimicrobici da anfibio"
1999	1999	Istituto Pasteur-Fondazione Cenci Bolognetti	Fellowship "Isolamento di geni codificanti peptidi antimicrobici da anfibio"

Other Appointments

Start	End	Institution	Position
2017	Present	Azienda Ospedaliero Universitaria Sant'Andrea, Rome (Sant'Andrea Hospital of Rome)	Biologist at Clinical Analysis Laboratory – Advanced Molecular Diagnostics Section
2010	2010	Azienda Ospedaliero Universitaria Sant'Andrea, Rome (Sant'Andrea Hospital of Rome)	<i>Occasional professional services (Prestazione d'opera occasionale) (clinical trial ST 200-DM-04-005 e WO20698 - Azienda Ospedaliera Sant'Andrea)</i>
2009	2009	Azienda Ospedaliero Universitaria Sant'Andrea, Rome (Sant'Andrea Hospital of Rome)	<i>Occasional professional services (Prestazione d'opera occasionale) (clinical trial ST 200-DM-04-005 - Azienda Ospedaliera Sant'Andrea)</i>

Teaching experience

Year	Institution	Lecture/Course
AA 2018-2019	Sapienza University – Faculty of Medicine and Psychology	BIOCHIMICA (8,00 cfu, BIO/10), LM41 - Medicina e chirurgia
AA 2017-2018	Sapienza University – Faculty of Medicine and Psychology	BIOCHIMICA (8,00 cfu, BIO/10), LM41 - Medicina e chirurgia
AA 2016-2017	Sapienza University – Faculty of Medicine and Psychology	BIOCHIMICA (7,00 cfu, BIO/10), LM41 - Medicina e chirurgia
AA 2015-2016	Sapienza University – Faculty of Medicine and Psychology	BIOCHIMICA (10,00 cfu, BIO/10), LM41 - Medicina e chirurgia

AA 2014-2015	Sapienza University – Faculty of Medicine and Psychology	BIOCHIMICA (4,00 cfu, BIO/10), LM41 - Medicina e chirurgia
AA 2013-2014	Sapienza University – Faculty of Medicine and Psychology	BIOCHIMICA (5,00 cfu, BIO/10), LM41 - Medicina e chirurgia
AA 2012-2013	Sapienza University – Faculty of Medicine and Psychology	BIOCHIMICA (4,00 cfu, BIO/10), LM41 - Medicina e chirurgia

Society memberships

Year	Title
20 -present	Member of the European Society of Pharmacogenomics and Personalized Therapy (ESPT)
	Member of the Italian Society of Personalized Medicine (SIMEP)
	Itpa???

Congress/meeting organization

Year	Title
2014	Member of the scientific Committee “2° Congresso Nazionale SIMEP” - Roma, 9-10 Giugno 2014 Ateneo Pontificio Regina Apostolorum - Via degli Aldobrandeschi , 190 Roma
2014	Member of the Scientific Committee “ESPT 2nd Summer School on Pharmacogenomics and Theranostics: "Pharmacogenomics and other omics leading to personalized medicine: Established and emerging scientific, clinical and ethical aspects"

Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program
2017	PI	Finanziamento delle attività base di ricerca
2014	PI	Finanziamento Ricerche UNIVERSITARIE Ateneo Sapienza di Roma Anno: 2014 - prot. C26A14PBP8 "Development and standardization of a pyrosequencing method to analyze the KRAS mutational status in liquid biopsies."
2013	PI	Finanziamento Ricerche UNIVERSITARIE Ateneo Sapienza di Roma Anno: 2013 - prot. C26A13JFS8 "An association study to test correlations between Migraine features and 26 polymorphisms in genes involved in oxidative stress."
2012	I	Progetto di Ricerca di Università Anno 2012 - prot. C26A12C5Y5 "Characterization of systemic T cell populations in Hodgkin and B-cell Non Hodgkin Lymphomas and their Relation to the Tumor Microenvironment"
2009	I	Progetto di Ricerca di Università Anno 2009 - prot. C26A09K28K "Strategie proteomiche nella diagnostica clinica"

2005	I	Progetto PRIN Anno 2005 - prot. 2005052122_005 - Ruolo svolto: partecipazione all' unità di ricerca "Analisi del proteoma di cellule mononucleate da sangue periferico di pazienti affetti da patologie neurodegenerative"
2003	I	Progetto PRIN Anno 2003 - prot. 2003055727_003 - Ruolo svolto: partecipazione all' unità di ricerca "Analisi proteomica dell'espressione e del ruolo di mediatori peptidici dell'immunità innata su linfociti di soggetti affetti da patologie neurodegenerative"

Research Activities

Keywords	Brief Description
Drug metabolism	Study of genomic and metabolomic signatures aimed to the prevision of individual response (efficacy and toxicity) to drug treatments. The research includes investigation of biochemical pathways involved in drug ADME (Adsorption, distribution, metabolism, excretion) and the development of biochemical functional assay (using mass spectrometry technologies) to predict drug response.
Pharmacogenomics	Development of methodologies and organizational processes devoted to implementation of pharmacogenomics in clinical settings: computer-assisted tools for genomic data interpretation
Microbiota	Characterization of the microbiota composition in different biological samples (stool, saliva, tissue) by Next generation DNA sequencing (16S analysis) and evaluation of metabolic signatures of dysbiosis by mass spectrometry analysis
Proteomics	Study of gene expression signatures for patients' stratification: circulating T-lymphocytes as biosensors of diseased state.

Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	51	Scopus	2000	2018
Books' chapter (National) [scientific]	1			

Total Impact factor	164.098
Impact Factor Last Ten Years	125.558
Total Citations	559
Average Citations per Product	10.96
Hirsch (H) index	15
Normalized H index*	0.789

*H index divided by the academic seniority.

Roma, 30/11/2018

Marina Borro

