UNIVERSITÀ DEGLI STUDI DI MILANO

Curriculum vitae

AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO **COD. ID: 5543**

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Scienze Farmacologiche e Biomolecolari_____

Responsabile scientifico: _____ a Prof.ssa Marinovich _____

[Nome e cognome]

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	BOUZIDI
Nome	Amani

OCCUPAZIONE ATTUALE

Incarico	**Struttura**
Assegnista Post-dottoranda	Dip. Scienze Biochimiche, la Sapienza Università di Roma

ISTRUZIONE E FORMAZIONE

Titolo	**Corso di studi**	**Università**	**anno conseguimento titolo**
Laurea Magistrale o equivalente	Research Master degree in MOLECULAR AND CELLULAR BIOLOGY Specialty: BIOCHEMISTRY	Faculty of Mathematical, Physical and Natural Sciences of Tunis, Tunisia	2017
Specializzazione			
Dottorato Di Ricerca	PhD degree in Life sciences	La Sapienza University of Rome-Italy	2021
Master			
Diploma Di Specializzazione Medica			
Diploma Di Specializzazione Europea			
Altro			

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città

LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	Advanced
French	Advanced
Italian	Upper intermediate
Arabic	Native speaker

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2022	Winner of regione Lazio Reward contributions for researchers and research fellows.
2022	Winner of EMBO/EMBL symposium meeting grant.
2022	Winner of the FEBS grant to cover meeting and travel fees.
2019	Winner of the FEBS Youth Travel Funds (YTF) Awards for early-career scientists
2017	Winner of 3 years PHD FELLOWSHIP OF FOREIGN NATIONALS EDUCATED ABROAD - ACADEMIC YEAR 2017/2018 Sapienza University of Rome, Italy.

ATTIVITÀ DI FORMAZIONE O DI RICERCA

- Current Position: Postdoc researcher position 1/2/2022 up to date

Department of Biochemical Sciences “Rossi Fanelli”, Sapienza University of Rome-Italy.

Research projects:

1- Dissecting the role of the metabolic tumour microenvironment (TME) on the formation of brain metastases from disseminated breast cancer cells. Studying in vitro and in vivo of the role of glutamate on controlling the immune TME, metabolism reshaping, secretion of cytokines, digestion of the Blood Brain Barrier and establishment of brain metastases.
2- Control of the activity and expression of mitochondrial serine hydroxymethyltransferase on the cell by means of RNA. Enzymatic targeting strategies in the cell using nucleic acids.

- Postdoc researcher position 1/9/2020 to 31/1/2022 Department of Biochemical Sciences “Rossi Fanelli”, Sapienza University of Rome-Italy.

Research project: Dissecting the role of amino acids metabolism in brain metastases formation: in cellula and in vivo studies of brain invasion by disseminating lung and breast cancer cells Metabolomics 22/11/2021 to 03/12/2021

- University of Milan Bicocca, Department of Biotechnology and Biosciences.

Research Topic: Metabolomic study and fluxes analysis of parental and metastatic breast cancer cells in different microenvironments.

- Department of biomedical and neuromotor sciences 28/11-5/12/2019 Bologne university,

Bologne, Italy

Research Topic: Evaluation of the effect of the intracellular serine and glycine availability in ATP level and eventual metastases progression.

- Physiology Laboratory, Faculty of Medicine of Tunis-Tunisia 4/2016- 3/2017

Research Topic: In vivo ultrastructural study of the effect of lanthanide elements administration such as gadolinium, on subcellular organ deformation while clarifying the role of lysosomes in the intracellular concentration and detoxification of mineral elements.

- Laboratory of lipid biochemistry, 2-3/2016 Faculty of Sciences of Tunis-Tunisia.

Research Topic: Evaluation of the lipid fraction and in particular fatty acids composition of different varieties of Tunisian wheat.

- Microbiology Department, Children's Hospital, Tunis-Tunisia 9/2013

Research Topic: Extraction and identification of bacterial infections in human samples using different microbiological analyses.

- Hematology Department, Military Hospital of Tunis- Tunisia 2-4/2014 Hematology Department, Orthopedic Hospital, Tunis-Tunisia 15/6-15/7/2013

Research Topic: learning different hematological technics and analyses to explore clinic aspects of pathological cases in particular megaloblastic anemia patients.

ATTIVITÀ PROGETTUALE

Anno	**Progetto**
2019	“Avvio alla Ricerca” from Sapienza University, for the academic year 2019/2020
2019	Participant to the project AIRC 2019 IG-23125 Dissecting Serine Hydroxymethyltransferase functions to target cancer metabolic reprogramming (3 years)
2018	Participant to the project Sapienza University 2018 RG11816430AF48E1 (3 years)
2018	“Avvio alla Ricerca” from Sapienza University, for the academic year 2018/2019.

TITOLARITÀ DI BREVETTI

Brevetto

CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
19-22/06/2022	EMBO/EMBL symposium Defining and defeating metastasis. Short talk presentation: Role of serine/glycine/glutamate metabolism as driver of brain metastasis tropism. Poster presentation: Role of serine/glycine metabolism and SHMT as drivers of brain metastasis tropism.	Heidelberg, Germany.
9-14/07/2022	IUBMB-FEBS-PABMB Congress 2022. Poster presentation: Glycine/Serine metabolism controls brain invasion by cancer cells.	Lisbon Portugal.
3-8 July 2021	The 45th FEBS Virtual Congress /. Poster presentation: Serine metabolism controls lung adenocarcinoma cells migratory ability.	Virtual Congress
23-24 September 2021	61° SIB MEETING Virtual Edition. Short talk: One carbon metabolism controls lung adenocarcinoma metastatic potential.	Virtual Edition
27-29 May 2021	4 th Metabolism and cancer virtual meeting. Poster presentation: Serine metabolism controls lung adenocarcinoma cells migratory ability by modulating AMP kinase activity.	Virtual Edition
16-24/08/2019	Spetses summer school, Molecular Mechanisms in Signal Transduction and Cancer, FEBS meeting. Poster Presentation: Control of serine and glycine metabolism supports the metastatic potential of lung adenocarcinoma cells.	Spetses summer school, Greece
18-21 September 2019	ABCD pre-Congress and congress Meeting. Poster Presentation: Serine and glycine rewire lung adenocarcinoma metastases metabolism.	Bologne, Italy
12-15/06/2019.	StaPa International Retreat. Oral Presentation: Serine and glycine mediate the dissemination of lung adenocarcinoma metastatic signal into the brain.	Institut Pasteur, Rome.
13/10/2018	The 9th BeMM Symposium.	La Sapienza University of Rome.
20-24/5/2018	EMBO Workshop: Molecular biology of mitochondrial gene expression. Poster Presentation: Impact of the inhibition of the mitochondrial Serine hydroxymethyltransferase enzyme in mitochondrial respiration and cancer cell growth.	Sweden
June 8, 2018	One day conference: Metabolic Regulation of the Immune Regulation.	CNR. Rome
18-21/9/2018	XV FISV Congress. Oral Presentation: Impact of the inhibition of the mitochondrial Serine hydroxymethyltransferase enzyme in mitochondrial respiration and cancer cell growth.	Sapienza University of Rome

8-13/7/19.	5th international course viruses and human cancers. Oral Presentation Title: Persistent KSHV Infection Increases EBV-Associated Tumor Formation In Vivo via Enhanced EBV Lytic Gene Expression.	Institut Pasteur, Rome, Italy.
18/3-25/6/2019	Course Introduction to Immunology.	Sapienza University of Rome.
6-7/2018	Scientific English course by Prof. Lewis Baker.	Sapienza University of Rome.
22-24/1/2018	Membranes, Membrane Proteins, and their Interactions Course. Prof. Filippo Mancia.	Sapienza University of Rome.
21/11 to 5/12/2017	Fundamentals of enzyme kinetics Course. Prof. Francesco Malatesta, Prof. Serena Rinaldo.	Sapienza University of Rome.

PUBBLICAZIONI

Libri
[titolo, città, editore, anno…]
[titolo, città, editore, anno…]
[titolo, città, editore, anno…]

Articoli su riviste
1/ Coluccia A, Bufano M, La Regina G, Puxeddu M, Toto A, Paone A, Bouzidi A, Musto G, Badolati N, Orlando V, Biagioni S, Masci D, Cantatore Ch, Cirilli R, Cutruzzolà F, Gianni S, Stornaiuolo M, Silvestri R. Anticancer Activity of (S)-5-Chloro-3-((3,5-Dimethylphenyl) Sulfonyl)-N-(1-Oxo-1-((Pyridin-4-Ylmethyl)Amino)Propan-2-yl)-1H-Indole-2- Carboxamide (RS4690), a New Dishevelled 1 Inhibitor. Cancers 2022, 1611255.
2/ Bouzidi A, Cutruzzolà F, Liberati FR, Spizzichino SH, Boumis G, Macone A, Rinaldo S, Giardina G, Paone A. The Emerging Role of Amino Acids of the Brain Microenvironment in the Process of Metastasis Formation. Cancers 2021, 13, 2891.
3/ Paone A, Bouzidi A, Rinaldo S, Giardina G, Cutruzzolà F. Importance of amino acids in brain parenchyma invasion by cancer cells. Oncoscience, Advance Publications 2021.
4/ Bouzidi A, Magnifico M Ch, Paiardini A, Macone A, Boumis G, Giardina G, Rinaldo S, Liberati F R, Lauro C, Limatola C, Lanzillotta Ch, Tramutola A, Perluigia M, Sgarbi G, Solaini G, Baracca A, Paone A, Cutruzzolà F. Cytosolic Serine Hydroxymethyltransferase controls lung adenocarcinoma cells migratory ability by modulating AMP Kinase activity. Cell Death and Disease. 2020. 11:1012.
5/ Guiducci G, Paone A, Tramonti A, Giardina G, Rinaldo S, Bouzidi A, Magnifico MC, Marani M, Menendez JA, Fatica A, Macone A, Armaos A, Tartaglia GG, Contestabile R, Paiardini A, Cutruzzolà F. 2019. The moonlighting RNA-binding activity of cytosolic serine hydroxymethyltransferase contributes to control compartmentalization of serine metabolism. Nucleic Acids Research, Vol.47,No. 8.
6/ Magnifico MC, Macone A, Marani M, Bouzidi A, Giardina G, Rinaldo S, Cutruzzolà F, Paone A.

Linking Infection and Prostate Cancer Progression: Toll-like Receptor3 Stimulation Rewires Glucose Metabolism in Prostate Cells. Anticancer Res. 2019 Oct;39(10):5541-5549.
7/ Giardina G, Paone A, Tramonti A, Lucchi R, Marani M, Magnifico MC, Bouzidi A, Pontecorvi V, Guiducci G, Zamparelli C, Rinaldo S, Paiardini A, Contestabile R, Cutruzzolà F. The catalytic activity of serine hydroxymethyltransferase is essential for de novo nuclear dTMP synthesis in lung cancer cells. The FEBS Journal. 2018. (285) 3238–3253.
8/ Tramonti A, Paiardini A, Paone A, Bouzidi A, Giardina G, Guiducci G, Magnifico MC, Rinaldo S, McDermott L, Menendez JA, Contestabile R, Cutruzzolà F. Differential inhibitory effect of a pyrazolopyran compound on human serine hydroxymethyltransferase-amino acid complexes. Arch Biochem Biophys. 2018. 1;653:71-79.

Atti di convegni		
19-22/06/2022	EMBO/EMBL symposium Defining and defeating metastasis. Short talk presentation: Role of serine/glycine/glutamate metabolism as driver of brain metastasis tropism. Poster presentation: Role of serine/glycine metabolism and SHMT as drivers of brain metastasis tropism.	Heidelberg, Germany.
9-14/07/2022	IUBMB-FEBS-PABMB Congress 2022. Poster presentation: Glycine/Serine metabolism controls brain invasion by cancer cells.	Lisbon Portugal.
3-8 July 2021	The 45th FEBS Virtual Congress /. Poster presentation: Serine metabolism controls lung adenocarcinoma cells migratory ability.	Virtual Congress
23-24 September 2021	61° SIB MEETING Virtual Edition. Short talk: One carbon metabolism controls lung adenocarcinoma metastatic potential.	Virtual Edition
27-29 May 2021	4 th Metabolism and cancer virtual meeting. Poster presentation: Serine metabolism controls lung adenocarcinoma cells migratory ability by modulating AMP kinase activity.	Virtual Edition
16-24/08/2019	Spetses summer school, Molecular Mechanisms in Signal Transduction and Cancer, FEBS meeting. Poster Presentation: Control of serine and glycine metabolism supports the metastatic potential of lung adenocarcinoma cells.	Spetses summer school, Greece
18-21 September 2019	ABCD pre-Congress and congress Meeting. Poster Presentation: Serine and glycine rewire lung adenocarcinoma metastases metabolism.	Bologne, Italy
12-15/06/2019.	StaPa International Retreat. Oral Presentation: Serine and glycine mediate the dissemination of lung adenocarcinoma metastatic signal into the brain.	Institut Pasteur, Rome.

20-24/5/2018	EMBO Workshop: Molecular biology of mitochondrial gene expression. Poster Presentation: Impact of the inhibition of the mitochondrial Serine hydroxymethyltransferase enzyme in mitochondrial respiration and cancer cell growth.	Sweden
18-21/9/2018	XV FISV Congress. Oral Presentation: Impact of the inhibition of the mitochondrial Serine hydroxymethyltransferase enzyme in mitochondrial respiration and cancer cell growth.	Sapienza University of Rome
8-13/7/19.	5th international course viruses and human cancers. Oral Presentation Title: Persistent KSHV Infection Increases EBV-Associated Tumor Formation In Vivo via Enhanced EBV Lytic Gene Expression.	Institut Pasteur, Rome, Italy.

ALTRE INFORMAZIONI

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che **i curricula SARANNO RESI PUBBLICI sul sito di Ateneo** e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: _____Roma__, ___11/10/2022_____