



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE ____6358____

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Biotecnologie Mediche e Medicina Traslazionale

Scientist- in - charge: Prof. Vitale Giovanni

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Surina
Name	Surina

PRESENT OCCUPATION

Appointment	Structure
no	no

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Clinical and experimental medical sciences	Università degli Studi della Campania "Luigi Vanvitelli"	3 years
Master	Bioengineering	Anhui University	2 years
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
English	C1
Chinese	Native
Italian	B1
Mongolian	Mother tongue

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2020	Bando di Studio in dottorato di ricerca

TRAINING OR RESEARCH ACTIVITY

<p>description of activity</p> <p>Education</p> <p>2016 - 2018 Master in Bioengineering. China Research project 1: Structural characterization and in vitro hypoglycemic activity of a glucan from Euryale ferox Salisb. seeds Research project 2: Characterization and Bioimaging applications of Fluorescent materials</p> <p>2020 - 2023 PhD in Molecular Biology Italy Research project: Cellular and molecular mechanism of skeletal muscle ageing</p> <p>2022 - 2023 Visiting PhD student Austria Research project: Biomechanical mechanism and functional consequences of chemotherapy-induced cellular senescence</p> <p>Work Experiences</p> <p>2019 - 2020 Research Assistant Hong Kong Baptist University Research project: Immunology of Payer's Patches</p> <p>2020 - 2021 Research Assistant The University of Hong Kong Research project: Target identification in cancer drug discovery</p>
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PROJECT ACTIVITY

Year	Project



PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
2023	18th YSA PhD Symposium	Vienna, Austria
2023	Aging across organelles	Graz, Austria
2023	10th annual aging research and drug discovery conference	Copenhagen, Denmark

PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
miR-21 in Human Cardiomyopathies. Front Cardiovasc Med. 2021 (First Author)
Structural characterization and in vitro hypoglycemic activity of a glucan from Euryale ferox Salisb. seeds[J]. Carbohydrate Polymers, 2019. (co-first author)
Form follows function: Nuclear morphology as a quantifiable predictor of cellular senescence. Aging Cell. 2023 (co-first author)
Ultra-bright intercellular lipids pseudo di-BODIPY probe with low molecular weight, high quantum yield and large two-photon action cross-sections[J]. Sensors and Actuators B: Chemical, 2018. (second author)
Potential Role of Lisinopril in Reducing Atherosclerotic Risk: Evidence of an Antioxidant Effect in Human Cardiomyocytes Cell Line. Front Pharmacol. 2022 May. (Third author)
"Sarcopenia and Cognitive Function: Role of Myokines in Muscle Brain Cross-Talk." Life 11, no. 2 (2021): 173. (third author)
"A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Super-Resolution Fluorescence and Electron Microscopy." Advanced Materials (2020) (Fifth author)
Adiponectin Related Vascular and Cardiac Benefits in Obesity: Is There a Role for an Epigenetically Regulated Mechanism? Front Cardiovasc Med. 2021. (fourth author)
Targeting high glucose-induced epigenetic modifications at cardiac level: the role of SGLT2 and SGLT2 inhibitors. Cardiovasc Diabetol. 2023 Feb. (fifth author)
A Series of Two-photon Absorption Pyridinium Sulfonate Inner Salts Targeting Endoplasmic Reticulum (ER), Inducing Cellular Stress and Mitochondria-Mediated Apoptosis in Cancer Cells[J]. Journal of Materials Chemistry B, 2018. (sixth author)
The pivotal role of miRNA-21 in myocardial metabolic flexibility in response to short- and long-term high glucose treatment: evidence in human cardiomyocyte cell line. Diabetes Res Clin Pract. 2022 (7 th author)



Congress proceedings
[title, structure, place, year]
[title, structure, place, year]
[title, structure, place, year]

OTHER INFORMATION

<p>LABOTOTORY TECHNIQUES</p> <p>Cellular and molecular biology</p> <ul style="list-style-type: none"> - Cell culture (primary cell and cell lines) and cell-based assays - Metabolism assays: Seahorse assays, NADP+/NADPH assay - 3D cell models: Blood brain barrier, Microfold(M) cell model - Frozen and paraffin tissue sections: Brain, Payer Patches - Staining and imaging: H&E staining, Immunofluorescence - RT-PCR, WB, IP, Methylation analysis, miRNA extraction - Genetic manipulation: plasmid transfection, siRNA - Immune cell isolation and identification by flow cytometry - Immune assays (bead-based assay such as Biolegendplex cytokines) <p>Animal experiments</p> <ul style="list-style-type: none"> - General Animal Care and Drug Administration - Establishment of Mouse Tumor Models - Properly collect, handle, and submit tissue samples for laboratory evaluation and histopathology - Blood sample : plasma - buffy coat separation, peripheral white blood cells isolation - Adipose tissue : Adipose-derived Stem Cells (ASCs) isolation, DNA/RNA/Protein extraction <p>Biochemistry</p> <ul style="list-style-type: none"> - HPLC, IR, GC-MS, NMR, Gel chromatography - Thermal proteome profiling (TPP) <p>Statistics</p> <ul style="list-style-type: none"> - R, Image J, Graphpad prism 9, FlowJo, Celeste 6.0
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Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: _____Verona, Italy_____, __08/02/2024_____