



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE **6557**

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 Scienze Biomediche e Cliniche** _____

Scientist- in - charge: _____ **Prof.ssa Perrotta Cristiana** _____

[Name and surname] **SOBIA SADIA**

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	SADIA
Name	SOBIA

PRESENT OCCUPATION

Appointment	Structure
Postdoctoral Fellow	1 Year Contract for research activities

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Regenerative Medicine & stem Cell Biology	Tsinghua University, Beijing China	2021
Master	Biotechnology	Bahauddin Zakariay University, Multan Pakistan	2011
Degree of medical specialization			
Degree of European specialization			
Other	Resear Activities Cell isolation, Cell culture 3D, 2D (Mice & Human) in vitro pharmacological treatments and genomic DNA isolation, Conditioned medium, PRP and EVs isolation.	Regenerative Medicine Lab at NUMS University Pakistan	From 2022-2023
Postdoctoral Fellow	Research		



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of	Association	City
NA		NA	NA

FOREIGN LANGUAGES

Languages	level of knowledge
English	Excellent

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2016	Chinese Government Scholarship, Tsinghua University Beijing China
2022	Postdoctoral scholarship, NUMS University Rawalpindi Pakistan

TRAINING OR RESEARCH ACTIVITY

<p>description of activity</p> <p>1:- Postdoctoral Fellow at Regenerative Medicine Lab, NUMS University Pakistan</p> <p>Worked on project titled as: “Aloesin-based Chitosan/Cellulose Scaffold for Skin Wound Healing”</p> <p>Cell isolation, Cell culture (Mice & Human), manipulation of primary cells and cell lines, in vitro pharmacological treatments and cell viability assays. Culture of stem cells in 3D (various matrices or scaffolds), transfection optimization, RNA isolation, plasmid and genomic DNA isolation, Conditioned medium, PRP and EVs isolation</p> <p>2:- Postdoctoral Fellow at University of Insubria, Varese Italy.</p> <p>Working on project titled as : “Therapeutic Potential of Stem Cells-derived Extracellular Vesicles”</p> <p>Cell isolation from Dental Pulp Tissue, 3D culture (Hanging drop and 3D Scaffold Culture), Cell line maintenance, stem cells differentiation, plasmid transfection, Hypoxia Cell culture, Secretome isolation, Extracellular vesicles isolation and characterisation, RNA isolation, plasmid and genomic DNA isolation, Multiplex PCR, qPCR, Flow Cytometer, protein isolation, Western blot, immunofluorescence, Confocal microscopy.</p>

PROJECT ACTIVITY

Year	Project
2016	Donor variation of placental mesenchymal stem cells in biological property and therapeutic potential.
2022	Aloesin-based Chitosan/Cellulose Scaffold for Skin Wound Healing.
2023	Therapeutic Potential of Stem Cells-derived Extracellular Vesicles



PATENTS

Patent
Detection methods and applications of physiological function of mesenchymal stem cells". Patent Number: CN112116555B dated 22-12-2020
Isolated mesenchymal stem cell population and its application". Patent Number CN111676187B dated 18-09-2020
Aloesin-based Chitosan/Cellulose Scaffold for Skin Wound Healing". Patent Application Number : 203/2023 dated 30-03-2023 (IPO, Pakistan)

CONGRESSES AND SEMINARS

Date	Title	Place
02/09/2015	Tsinghua Symposium on Frontiers os Supra Molecular Sceince. (Prof. Dr. Xi Zhang, Prof. Dr. Dong Shang)	Room# 202 Xuetang Building Tsinghua University, Beijing, China
12/10/2015	Bone and Cartilage Stem Cell in development and Skeletal neoplasia. (Prof. Dr. Agamemnon)	New Biology Building, Tsinghua University, Beijing, China
20/10/2015	Emerging Technologies for Stem Cell Therapy and Rapid disease Diagnosis. (Prof. Dr. Weian Zhao)	Medical Science Building D326, Tsinghua University, Beijing, China
12/11/2015	Transcrption factors and signaling pathways in the control of Embryonic Stem Cell Self-renewal. (Prof. Dr. Ying Jin)	Medical Science Building D326, Tsinghua University, Beijing, China

PUBLICATIONS

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

Articles in reviews
AKT and its related molecular feature in aged miceskin, PLoS One 12(6):e0178969, 2017
Platelet- derived growth factor receptor beta identifies mesenchymal stem cells with enhanced engraftment to tissue injury and pro-angiogenic property, Cell Mol LifeSci. 75(3):547-561, 2017
Combined effect of menopause age and genotype on occurrence of breast cancer risk in Pakistani population, Maturitas 69:377-382, 2011
Genetic studies of TYRP1 and SLC45A2 in Pakistani patients with nonsyndromic oculocutaneo us albinism, J Invest Dermatol, 2013.
Effects of glutathione-S-transferase polymorphisms on the risk of breast cancer: A population-based case–control study in Pakistan, Environ Toxicol Pharmacol.35(2):143-53, 2013
Analysis of P4 receptors polymorphisms in the development of breast cancer: A study of Southern Punjab (Pakistan), Pure and Applied Biology. Vol. 11 Issue 1 pp181-190, 2021



Congress proceedings
Role of Progesterone receptors polymorphism in the mammary tumor development: a study of southern Punjab (Pakistan) population in 33 rd Pakistan Congress of Zoology (International), Islamabad Pakistan, 2013.
Genetic studies of <i>TYRP1</i> and <i>SLC45A2</i> in Pakistani patients with nonsyndromic Oculocutaneous albinism. In 33 rd Pakistan Congress of Zoology (International), , Islamabad Pakistan, 2013.

OTHER INFORMATION

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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.

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Place and date: Varese, Italy, April 03, 2024