

CURRICULUM VITAE

Dr. Roushangar Zineh Leila Ph.D.
Professor in Histology & Embryology,
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H-index (Scopus): 35

Papers indexed:

[ORCID ID](#)

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Address:

1- Anatomical sciences and Tissue engineering department, Faculty of Medicine, Tabriz University of Medical Sciences. Tabriz, IRAN.

2- Stem Cell Research Center, Tabriz University of Medical Sciences. Tabriz, Iran

Academic Qualifications

University	Major	Degree	Date
Tabriz / Iran	Histology	M.Sc.	1997-2000
Tabriz /Iran	Histology & Embryology	Ph. D	2000-2003
Tokyo/Japan	Tissue Engineering & TEM	Scholarship	2003-2004
Sweden/Iran	Integrative Regenerative Medicine	Postdoc	2014-2015

Teaching experiences

- Teaching Histology and Embryology, Tissue Engineering, Biology, Cell culture, Histological and Histochemical Technique, and Regenerative medicine for paramedical and biology students MSC, Ph.D., Postdoc and specialized courses in Tabriz Universities for 16 years (2004- present).
- Teaching Practical Histology and Embryology for Medical, Dentistry, and Pharmaceutical students (2004-present).
- Instructing and managing practical pharmaceutical technology
- Scientific Writing
- Communication Skills
- **Tissue engineering** (3D and 2D culture)(Organoid culture) (**Acellular Substitute**) (**skin, Cartilage, bone...**).
- Herbal and Animal **Exosomes** Biology and its Application.
- **Bioprinter**, Bioreactor, and Their application
- Application of **cold atmospheric plasma** on stem cells
- Mesenchymal stem cell biology and its applications.
- Skin, Cartilage, and bone **Clinical trial** in tissue engineering.

Research experiences

- Isolation, Characterization, and Differentiation of Stem Cells from adipose tissue, Umbilical cord, Bone Marrow, Dental Pulp, hair follicle, Hippocampus, testis, and Human Milk... with mechanical and enzymatic methods
- Isolation and characterization of Exosomes from Bone Marrow, Human Milk, Semen, serum, Amniotic fluid, and plants
- Scaffold Preparation and Characterization techniques, 3D Printing, Electrospinning, salt-leaching, Spheroid formation, Micro-capsulation, Casting, Phase separation, and freeze-drying.
- Decellularization and Recellularization of Human and animal skin, Sheep and Bovine Intestine, Bone, Cartilage, Dental Tissues, Umbilical cord, and Amniotic membrane with mechanical and enzymatic methods.
- 3D and 2D cell culture, TEM, SEM, MTT, Live-Dead cell assays, RNA, DNA Extraction, RT-PCR, Western Blot, FTR, XRD. Flow cytometry, Eliza, Histological and Immunohistochemically techniques (IHC, ICC, IFC), Tissue freezing and thawing.
- Clinical Trial, Animal Handling, and Surgical Technique in Animal Models based on cell therapy
- IVF and Microinjection

Honors

- **Leader and foremost person** in Medical Histology of the **country** as per announcement of the science metric announcement by the Ministry of Health, Treatment, and Medical Education from 2018 to 2024.
<http://isid.research.ac.ir>
- **Selected as Top 2% scientists highly cited researchers announced by Clarivate Analytic Stanford university** (Essential Science Indicators **2023, 2024**)
- Selected **Top Technologist** of growths and innovation centers in university in 21st Festival of Research, Technology 2022, Tabriz University of Medical Sciences, Tabriz, IRAN.
- Selected **Top Technologist** of University in 18th Festival of Research, Technology 2019, Tabriz University of Medical Sciences, Tabriz, IRAN.
- Scientific CEO of a Knowledge-based Company of Manufacturer bio-printer and tissue-engineered skin dresses, in Canada & Iran.
- Registration of 7 Inventions in the country (R&D), PCT.
- Selected as the first-ranked researcher of university in the Faculty of Medicine in Tabriz University of Medical Sciences, Tabriz, IRAN, 2012.
- Selected as the first-ranked researcher of university in Tabriz University of Medical Sciences, Tabriz, IRAN, 2009.
- Selected as the first-ranked woman in the First of the National Festival on Famous and Innovative Women in 2008.
- Selected as the first-ranked Student among **All Universities in Iran in 2003.**
- Scholarship for Ph.D. from Faculty of Medicine, Medical Sciences, University of Tabriz. Iran
- Distinguished Student in Tabriz University in 2002, 2003, 2004.
- Distinguished Student in the Universities of Tabriz and Tabriz Medical Sciences University in the field of Mural and Research, in 2005.

Member of Associations

- **Director of Stem Cell Research Center**, Tabriz University of Medical Sciences (2016- 2023).
- **Head of Anatomical Sciences, Department**, Tabriz University of Medical Sciences (2018- 2020).
- Member of the Iranian Anatomical Sciences **Board in the Ministry of Health and Medical Education** (2016-present).
- Cultural Deputy of the Faculty of Medicine, Tabriz University of Medical Sciences (2006- 2019)
- Member of Aging Research Institute, Tabriz University of Medical Sciences, Iran (2010- present)
- Scram, Tabriz University of Medical Sciences (20015- present).
- Member of Iranian Anatomical Sciences Society (2004- present).
- Member of Iranian Tissue Engineering Society (2012- present).
- Member of Iranian Society of Reproductive Medicine (2018- present).
- Member of National Cell Death Society (IRAN, 2008- present).
- Member of Neuroscience Research Center (Tabriz, IRAN, 2007- present)

Papers indexed in Scopus

194 articles indexed in Scopus with an h-index of 33. Updated 17 Jun 2024

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