



Personal Information

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Positions

Shahid Beheshti University of Medical Sciences

Assistant Professor, Department of Pharmacology, School of Medicine

2022-Present

Researcher, Research Institute for Endocrine Sciences

2020-2022

Education

Shahid Beheshti University of Medical Sciences

Ph.D., Pharmacology

Thesis Title: "Expression Patterns of ER α 66 and its Novel Variant Isoform ER α 36 in Lactotroph Pituitary Adenomas and Associations with Clinicopathological Characteristics"

Ahvaz University, Faculty of Pharmaceutical Sciences

Pharm.D. (Professional Doctorate Degree of Pharmacy)

Thesis Title: "Formulation of propranolol hydrochloride patch"

Natural Sciences Diploma

Selected public high school (Narjes), Tehran, Iran

ACADEMIC ACHIEVEMENTS/award

- Achieve top rank among researchers of the Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences in the year 2021.
- Admitted as talented student at Shahid Beheshti University
- 1st rank among Shahid Beheshti students, at the "Board Comprehensive Exam of Pharmacology"
- 1st rank among Shahid Beheshti students at the "Entrance Exam of Pharmacology"
- PhD GPA = 18.75
- PhD Thesis Score = 20
- Pharm.D. GPA = 17.18 out of 20
- Pharm.D. Thesis Score = 19
- Advanced level fluency in the English language (writing, speaking, reading, listening)

Published Papers							
	Title	Journal	IF	Cite Score Quartile	Publication year	First author	Co-author
1	Estrogen as a key regulator of energy homeostasis and metabolic health	Biomedicine And Pharmacotherapy	7.4	Q1	2022	*	
2	A Meta-Analysis of Observational Studies on Prolactin Levels in Women with Polycystic Ovary Syndrome	Diagnostics (Basel, Switzerland)	3.9	This study is to be cited in the PCOS International Guidelines.	2022		*
3	The effects of different physiologic concentrations of prolactin in association with reproductive hormones on the incidence of type 2 diabetes mellitus in men: Tehran Lipid and Glucose Study	BMC endocrine disorders.	3.2				*
4	A single cut-off value of anti-Müllerian hormone should not be used for the diagnosis of PCOS in all reproductive-aged women	Human Reproduction	6.9	Q1	2022	*	
5	Effects of Rosa damascena on reproductive improvement, metabolic parameters, liver function, and insulin-like growth factor-1 gene expression in estradiol valerate-induced polycystic ovarian syndrome in Wistar rats	Biomedical Journal	4.9	Q1	2022		*
6	The Prevalence of Polycystic Ovary Syndrome, Its Phenotypes and Cardio-	Frontiers in Endocrinology	5.55	Q2	2022		*

Published Papers							
	Title	Journal	IF	Cite Score Quartile	Publication year	First author	Co-author
	Metabolic Features in a Community Sample of Iranian Population: Tehran Lipid and Glucose Study						
7	The role of ER α 36 in cell type-specific functions of estrogen and cancer development	Pharmacological research	7.65	Q1	2021	*	
8	To what extent does Polycystic Ovary Syndrome influence the cut-off value of Prolactin? Findings of a large community-based study	Advances in Medical Sciences	3.28	Q1	2022	*	
9	The Impact of Polycystic Ovary Syndrome on Silent Coronary Artery Disease and Cardiovascular Events; A Long-term Population-based Cohort Study	Archives of medical research	2.23	Q1	2021	*	
10	Expression patterns of ER α 66 and its novel variant isoform ER α 36 in lactotroph pituitary adenomas and associations with clinicopathological characteristics	Pituitary	4.1	Q1	2020	*	

Published Papers							
	Title	Journal	IF	Cite Score Quartile	Publication year	First author	Co-author
11	Age-specific cut-off levels of anti-Müllerian hormone can be used as diagnostic markers for polycystic ovary syndrome	Reproductive Biology and Endocrinology	5.21	Q1	2021		*
12	Prevalence of idiopathic hirsutism: A systematic	Journal of Cosmetic Dermatology	3		2022		*
13	Is there any association between Migraine Headache and Polycystic ovary syndrome (PCOS)	Molecular Biology Reports	3		2021		*
14	Role of l-arginine/NO/cGMP/KATP channel signalling pathway in the central and peripheral antinociceptive effect of thymoquinone in rats	Iranian journal of basic medical sciences	2.15		2018		*
15	Attenuation of morphine tolerance and dependence by thymoquinone in mice	Avicenna journal of phytomedicine			2016		*
16	Gender- related differences in drug response	Pejouhandeh			2017	*	

Research Foreign Grants

Grant awarded to participate in “IBRO-APRC School” from 22nd April to 6th May 2019, with coverage of admission, accommodation, meals and travel expenses.

- Topic: “**Advanced Techniques to Explore the Functions of Normal and Diseased Brain**”
- Address: Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST)
Trivandrum, India
- Trained techniques and methods
 - MRI, fMRI, TMS, patch clamp, molecular imaging, epigenetic tools, optogenetics, EEG and polysomnography
 - Nanotechnology tools for CNS drug delivery
 - Methods for nanotoxicity evaluation
 - 3-D printing as a prospective technique for scaling up demands of several tissues

Skills

- Immunohistochemistry (IHC) on human pituitary tumors (formalin-fixed, paraffin-embedded blocks)
- Western blotting on fresh frozen human pituitary tumors and normal pituitaries
- Brain ischemia: 2 and 4 vessel occlusion
- Stereotaxic surgery
- Brain cannulation in rat
- Software

Stata (Chi-squared test, Student's t-test, Spearman rank order, univariable and multivariable logistic and linear regression, Kaplan–Meier analysis with log-rank test and Cox proportional hazards models, Roc curve analysis, ANOVA)

SPSS

Prism

The abilities which are written below are achieved by attending in comprehensive training courses on applied statistics using SPSS & STATA (60 hours), diagnostic accuracy and prediction models studies (42 hours), good clinical practice in clinical trials (70 hours), systematic review and meta-analysis studies (96 hours).

- The ability of designing and running complex studies (experimental and clinical), studies in the field of diagnostic accuracy/value/performance, and prediction models with the aim of "**Screening, Diagnosis, Prognosis and Staging**".
- The ability of designing and running observational studies, including cross-section, case-control and cohort studies.
- The ability of designing and running systematic review and meta-analysis studies.
- The ability of designing and running clinical trials.

International Cooperation

The project of compiling an international book titled “Thyroid Disease in Pregnancy” with the participation of 30 scientists from around the world (United States, Europe, Australia, and Iran) and writing part of a chapter of the book under the supervision of Dr. Fereydoun Azizi and Dr. Fahima Ramezani Tehrani as editors and Springer Nature Switzerland AG as the publisher, led to the successful completion of this project at an excellent level in 2022.

Launching laboratory set-ups

Setting up immunohistochemistry and western techniques to detect new isoforms of the estrogen receptor ER α 36 for the first time in the pituitary gland and pituitary tumors.

Papers presented at scientific conferences and seminars (national / international)

- **Mahboobifard, F.**, “The trend and magnitude of prolactin level changes in polycystic ovary syndrome”, Presented as mini-oral presentation in 14th International Congress of Laboratory and Clinic, Tehran, 2-4 Feb 2023
- **Mahboobifard, F.**, “Biological and clinical significance of ER- α 36 in estrogen-responsive and unresponsive tissues/tumors”, Presented as Poster in 25th Iranian and 4th International Congress of Physiology and Pharmacology, Tehran, 20-22 October 2021
- **Mahboobifard, F.**, “Sex-related differences in estrogen receptors and tumor proliferation factors in macroprolactinomas”, Presented as Poster (virtual forum) in 12th FENS Forum of neuroscience, Glasgow, 11-15 July 2020
- **Mahboobifard, F.**, “Evaluating the expression of ER α 66 and its novel variant ER α 36 in drug-resistant lactotroph pituitary tumors by gender”, Presented as Poster in 24th Iranian

and 3th International Congress of Physiology and Pharmacology, Tehran, 30 Oct - 01 Nov. 2019

- **Mahboobifard, F.**, “Formulation of Propranolol hydrochloride patch”. Oral presentation at National Pharmacy Students Seminar, Tabriz, Iran, Feb. 2004.
- **Mahboobifard, F.**, “The effect of intracranial injection of Diltiazem in median raphe nucleus of male rats on pain intensity evaluating by formalin test”. Oral presentation at National Pharmacy Students Seminar, Abadan, Iran, Feb. 2000.
- **Mahboobifard, F.**, “Optimization of pelletization process in fluid- bed rotor granulator by laboratory design”. Poster presentation at National Pharmacy Students Seminar, Kerman, Iran, Mar. 2002.

MEMBERSHIPS

- Federation of European Neuroscience Societies (FENS)
- International Brain Research Organization (IBRO)
- Iranian Physiology and Pharmacology Society
- Islamic Republic of Iran Medical Council (IRIMC)
- Iranian Pharmacists Association