Curriculum vitae:

Name: Mahsa

Sure name: Rasekhian

Date of birth: 11th march 1978

Nationality: Iranian

Contact info:

Address: Department of Pharmacognosy & Biotechnology, School of Pharmacy & Pharmaceutical Sciences, Daneshgah Street, Kermanshah, Iran

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Education and degrees:

1- Doctor of Pharmacy (*Pharm.D.*), Tabriz University of Medical Science, Faculty of Pharmacy (2001)

2- Philosophy doctor (Ph.D.) of Pharmaceutical Biotechnology, Pasteur Institute of Iran, Molecular Virology Department (2015)

Title of thesis:

1- Ph.D. in Pharmaceutical Biotechnology, Pasteur Institute of Iran: Stabilization and targeting of an enteroviruse like RNA construct for expression in colon cancer cell lines

2- Pharm.D., Tabriz university of medical science: the effect of inorganic cations Ca2+ and Al3+ on the release rate of propranolol hydrochloride from anionic polymers matrices

Laboratory Skills and Expertise:

1- Molecular biology techniques

2- PCR, RT-PCR, Real time PCR

3- Mammalian cell techniques

4- Virus culture

5- Flow cytometry

6- RNA Science (In vitro Transcription, RNA transfection, RNA bioinformatics,…)

7- Proteomics

Language skills:

Persian (native language)

English (Advanced)

Arabic (reading and understanding)

Italian (Basic)

Presentations:

Poster presentations:

1- Cross – Linkage: A novel method for sustaining propranolol hydrochloride release from anionic polymeric matrices. (7 th Seminar of Iranian Pharmacy Students. 2001; Isfahan University Of Medical Sciences. M.Rasekhian, M.Barzegar-Jalali,M.R. siahi, (First Rank)).

2- The effect of inorganic cations Ca2+ and Al3+ on the release rate of propranolol hydrochloride from sodium carboxymethylcellulose matrices (11th Iranian Pharmaceutical Sciences Conference, August 18-21, 2008, Kerman, Iran Mohammad Barzegar-Jalali, maryam hasan, Mahsa Rasekhian,Ghobad Mohammadi , khosro adibkia , Somayeh Hallaj-nezhadi)

3- Phosphoproteomics analysis of rabies virus infected Neuroblastoma B. (2nd Iranian Proteomics Congress, April 2009, Royan Institute, Tehran, Iran. Dabirian S., Rasekhian M., Saljoughian N., Eslami N., Fayaz A. and Vaziri.).

4- IFN-α2b reduces released particles of Human T-lymphotropic Virus-I from HTLV-I transformed cell line. (Christine Hartoonian, Mahsa Rasekhian, Rozita Edalat, Arash Arashkia and Kayhan Azadmanesh, Retrovirology, 8(Suppl 2), P30. http://doi.org/10.1186/1742-4690-8-S2-P30)

Oral presentations:

1- Potential application of 3' non-coding region of poliovirus RNA genome for stabilization of RNA-based vaccines in cancer immunotherapy (12th ICIA Tehran, Iran. Rasekhian, Roohvand, Teimoori toolabi and Azadmanesh)

Latest Publications:

1- The role of 3'UTR of RNA viruses on mRNA stability and translation enhancement (Mahsa Rasekhian, Farzin Roohvand, Solomon Habtemariam, Marzieh Marzbany, Monireh Kazemimanesh) Mini Reviews in Medicinal Chemistry. 2021

2- Harnessing polyphenol power by targeting eNOS for vascular diseases (Mamali Das, Kasi Pandima Devi, Tarun Belwal, Hari Prasad Devkota, Devesh Tewari, Adeleh Sahebnasagh, Seyed Fazel Nabavi, Hamid Reza Khayat Kashani, Mahsa Rasekhian, Suowen Xu, Mehran Amirizadeh, Kiumarth Amini, Maciej Banach, Jianbo Xiao, Safieh Aghaabdollahian, Seyed Mohammad Nabavi) Critical Reviews in Food Science and Nutrition. 2021

3- Antitumor effects of triterpenes in hepatocellular carcinoma (Antoni Sureda, Miquel Martorell, Xavier Capó, Margalida Monserrat-Mesquida, Maria M Quetglas-Llabrés, Mahsa Rasekhian, Seyed M Nabavi, Silvia TejadaIranian) Current Medicinal Chemistry 2021

4- Phytostilbenes as agrochemicals: Biosynthesis, bioactivity, metabolic engineering and biotechnology (Philippe Jeandet, Alessandro Vannozzi, Eduardo Sobarzo-Sánchez, Md Sahab Uddin, Roque Bru, Ascension Martínez-Márquez, Christophe Clément, Sylvain Cordelier, Azadeh Manayi, Seyed Fazel Nabavi, Mahsa Rasekhian, Gaber El-Saber Batiha, Haroon Khan, Iwona Morkunas, Tarun Belwal, Jingjie Jiang, Mattheos Koffas, Seyed Mohammad Nabavi) Natural product reports 2021

Fields of interest

1- Virotherapy of cancer (oncolytic viruses)

2- RNAi (microRNA, siRNA)

3- apoptosis

4- Gene cloning and expression (monoclonal antibody, immunoproteins)

5- metabolic engineering

Teaching experience:

1- Pharmaceutical Biotechnology for Pharm.D. students, invited lecturer, (2009-13) , faculty member (2015- present)

2- Biological products for Pharm.D. students, (2009-present)

3- Mammalian cell culture for Pharm.D. students, invited lecturer (2013), faculty member (2015-present)

4- Cellular and molecular biology, Pharm.D. students (2015- present)

5- Pharmacology, paramedical students, invited lecturer(2015- present)