
Curriculum Vitae

First name: Jafar

Last name: Mahmoudian

Gender: Male

Date of Birth: August 6th 1979

Nationality: Iran

Languages: PERSIAN, ENGLISH, TURKISH and a little ARABIC.

Address:

Immunochemistry Department

Monoclonal Antibody Research Center

Avicenna Research Institute

Post code: 1985713831

Shaheed Beheshti University, Tehran, Iran

Phone: +98 21 22432020

Fax: +98 21 22432021

Home page: <http://www.avicenna.ac.ir>

E-mail: jafarmahmoudian@gmail.com

Educations

- 2002-2004, M.Sc. in Biochemistry, Department of Biochemistry, Guilan University, Iran
Thesis: Inhibition of tyrosinase activity on dopamine hydrochloride by thiol compounds
Advisor: Dr. Sariri (E-mail: sariri@guilan.ac.ir)
- 1988-2002, B.Sc. in Biology, Department of Biology, Esfahan university, Iran

Research Experience

- 2002 to 2004, Graduate student, biochemistry Department, Guilan university, Iran
Advisor: Dr. Sariri

In this project, kinetic and inhibition of tyrosinase investigated. As a result, three different types of inhibitors were acquired.

- 2003 to 2004, Graduate student, biochemistry Department, Guilan university, Iran
Advisor: Dr. Sariri

In this project effect of heavy smoking on tear protein pattern was investigated.

- 2005 to 2006, Research co-worker, Cellular and Molecular Research Center, Iran University of Medical Sciences
Advisor: Dr. Farajollahi

In this project, simultaneously, HIV and HCV antibodies measured by a new Eliza method.

- 2004 to 2006, Research co-worker, Infectious Disease and Tropical Medicine Research Center, Shaheed Beheshti University of medical science, Iran
Advisor: Dr. Rahbar

Current position

- 2006 to date, Research Associate, Immunochemistry department, Monoclonal Antibody Research Center, Avicenna Research Institute.

Advisor: Dr. Mahmoud Jeddi-Tehrani (E-mail: mahjed@yahoo.com)

Current activity

- Cancer Immunotherapy

Currently, one of our main interests is trying to acquire specific vaccines for various cancers in collaboration with Karolinska institute. Owing to side-effects traits of famous antibodies like Herceptin antibody; we are going to find alternative ones.

Laboratory skills

- Antibody production using protein (polyclonal)
- General tissue culture experience (sterile techniques and propagation)
- RNA/DNA extraction from animal cells and bacteria
- PCR and RT-PCR skill
- Primer design for cloning and diagnostic PCR
- cloning
- Enzyme kinetic
- Protein (SDS-PAGE , Western blotting and Dot blotting)
- Protein Purification (affinity chromatography, Ion exchange chromatography, gel filtration)
- ELISA.
- Immunocytochemistry
- Bioconjugation
 1. I have conjugated more than 170 different peptides to carrier proteins.
 2. I have set up the conjugate of various types of dyes to different proteins, such dyes as phycoerythrin(PE), Cy5, FITC, and Alexa fluor 568, Dylight 488, Dylight 633.

Teaching Experiences

- 2002-2004, Teaching general Biochemistry in Guilan University (40 hrs)
- *training Courses*
 - "Biological buffers" at Avicenna Research Institute, (spring 2008), 6hrs
 - "Protein concentration assays" at Avicenna Research Institute, (spring 2008), 8hrs
 - "Bioconjugation workshop" at Avicenna Research Institute, (winner 2009), three days

Workshops

- Immunoinformatics (summer 2010)
- Bioinformatics (spring 2009)
 1. Nucleic acid and protein databases
 2. Multiple alignment and phylogenetic analysis
 3. Protein modeling
 4. Gene prediction
- Phage Display (winter 2008)
- Proteomics (winter 2008)
- Immunohistochemistry (summer 2008)
- Antibody production using protein (Monoclonal)
- Genotyping
- Designing of information system by access software.

Lecture

- July 2007, Avicenna Research Institute, lecture on the role of enzyme inhibitors in infertility.
- October 2009, Avicenna Research Institute, lecture on bioconjugate techniques.

Presentations (international)

1. Mahmoudi A.R., Bayat A.A., Jeddi-Tehrani M., Balay goli L., Babaei M., Khakpour J., Barzegare Yarmohammadi L., Zarnani A.H., **Mahmoudian J.**, Ostadkarampour M., Akhondi M.A., Ghods R. Preparation of affinity chromatography column using a polyclonal antibody for purification of mouse IgM. *15th National and 3rd International Conference of Biology, 19-21 August 2008, University of Tehran, Tehran, Iran*

Publications (Articles)

1. Conjugation of R-phycoerythrin to a polyclonal antibody and F(ab')₂ Fragment of a polyclonal antibody by two different methods
Jafar Mahmoudian, Mahmood Jeddi-Tehrani, Hodjattallah Rabbani, Ahmad Reza Mahmoudi, Mohammad Mehdi Akhondi, Amir Hassan Zarnani, Leila Balaei goli, Mahdokht Babaei, Roya Ghods, Avicenna Journal of Medical Biotechnology, Vol. 2, Issue 2 (2010), 87 - 91
2. Investigating Association of Three Polymorphisms of Coagulation Factor XIII and Recurrent Pregnancy Loss
Jeddi-Tehrani M, Torabi R, Mohammadzadeh A, Arefi S, Keramatipour M, Zeraati H, Zarnani AH, Akhondi MM, **Mahmoudian J**, Mahmoudi AR, Zarei S. Accepted, in press (PMID: 20384622)
3. Inhibition of tyrosinase activity on dopamine hydrochloride by thiol compounds
R.sariri, **Jafar mahmoudian**, khosro khajeh and Reza Hasan Sajedi. Asian Journal of Chemistry (ISI). Vol. 18 ,No. 1 (2006), 337-340
4. Heavy smoking and tears protein pattern
R.Sariri, A.Arasteh and **J. Mahmoudian**. Asian Journal of Chemistry (ISI). Vol. 18, No. 1 (2006), 8-14
5. Production of Monoclonal Antibody against Human Nestin
Reza Hadavi , Amir Hassan Zarnani , Negah Ahmadvand , Ahmad Reza Mahmoudi , Ali Ahmad Bayat , **Jafar Mahmoudian** , Mohammad Reza Sadeghi , Haleh Soltanghoraee , Mohammad Mehdi Akhondi , Majid Tarahomi , Mahmood Jeddi-Tehrani , Hodjattallah Rabbani, Avicenna Journal of Medical Biotechnology, Vol. 2, Issue 2 (2010), 69 - 77

References

Reyhaneh Sariri
Professor in Biochemistry
Department of Biology
Faculty of Science
Gilan University, Rasht, Iran
Mobile: +98 09111325824
E-mail: sariri@guilan.ac.ir

Mahmood Jeddi-Tehrani
Head of Monoclonal Antibody Research
Center, Avesina Research Institute, shaheed
Beheshti University, Evin, Tehran, Iran
Phone: +98 21 22432020
Fax: +98 21 22432021
E-mail: mahjed@yahoo.com

Hodjatt Rabbani
Associate Professor
Immune and Gene Therapy Lab,
Cancer Center Karolinska, R8:01
Karolinska University Hospital, Solna
171 76 Stockholm, Sweden
Tel: +46-8-51774858
Fax: +46-8-51770450
Mobile: +46-737 666 567
E-mail: Hodjattallah.Rabbani@ki.se