

CURRICULUM VITAE

Mohammad Hossein Haddadi

Personal Information

Last Name: Haddadi
First Name: Mohammad Hossein
Gender: Male
Marital status: Married
Children: Two
Date of birth: March, 23, 1987
Place of Birth: Ilam. Iran
Nationality: Iranian
Language skill: English

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- 1- Clinical Microbiology Research Center, Ilam University of Medical Sciences, Ilam, Iran
- 2- Department of Medical Biotechnology School of Advanced Technologies in Medicine, Tehran University of Medical Sciences.
- 3- Royan Institute, Reproductive Biomedicine and Stem Cell, Tehran, Iran.

Education

- 2015-2020 **Ph. D:** Medical biotechnology, Tehran University of Medical Sciences, Tehran, Iran.
- 2012-2014 **M.Sc:** Medical bacteriology, Shiraz University of Medical Sciences, Shiraz, Iran.

- 2006-2011 **B.Sc:** Microbiology, Islamic Azad University, Qum, Iran.

Thesis

- Ph. D Thesis

“Ex vivo generation and expansion of T regulatory cells through induction and/or signaling modification for cell-based immunotherapy”

- M. Sc Dissertation

“The prevalence of *cagA*, *homB*, and *dupA* in *Helicobacter pylori* isolated from upper gastrointestinal diseases, Shiraz, Iran”

Fields of interest

- Burn Infection
- Herbal Medicine
- *Helicobacter pylori* Infection and pathogenesis
- Bioplastic and Biorefinery
- Diabetes & Cell-Base Immunotherapy
- Therapeutic T cell Engineering (CAR-T cell)
- Cellular Signaling and Reprogramming
- System Biology

Publications

PAPERS

1. **Haddadi, MH**, et al. The *cagA* EPIYA Motifs and *vacA* Genotypes in UpperGastrointestinal Diseases, *Molecular Genetics, Microbiology and Virology*, **2020**, 35. 105–111.
2. **Haddadi, MH**, et al. "Helicobacter pylori antibiotic resistance and correlation with *cagA* motifs and *homB* gene." *Postgraduate Medicine*: **2020**, 1-9.
3. **Haddadi, M H**, et al. "Directed Differentiation of Regulatory T cells from Naïve T Cells and Prevention of Their Inflammation-Mediated Instability using Small Molecules." *Clinical & Experimental Immunology*, **2020**.

4. **Haddadi MH**, Hajizadeh-Saffare E, Khosravi-Maharlooei M, Basiri M, Negahdari B, Baharvand H. *Autoimmunity as a Target for Chimeric Immune Receptor Therapy: A New Vision to Therapeutic Potential*. Blood reviews. **2019**,
5. **Haddadi MH**, Asadolahi R, Negahdari B. *The bioextraction of bioplastics with focus on polyhydroxybutyrate: A review*. International Journal of Environmental Science and Technology. **2019**:1-14.
6. **Haddadi MH**, Aiyelabegan H, Negahdari B. *Advanced biotechnology in biorefinery: a new insight into municipal waste management to the production of high-value products*. International Journal of Environmental Science and Technology. **2018**:1-12.
7. **Haddadi MH**, Bazargani A, Khashei R, Fattahi MR, Lankarani KB, Moini M, et al. *Different distribution of Helicobacter pylori EPIYA-cagA motifs and dupA genes in the upper gastrointestinal diseases and correlation with clinical outcomes in iranian patients*. Gastroenterology and Hepatology from bed to bench. 2015;8(Suppl1):S37.
8. Tanideh N, **Haddadi MH**, Rokni-Hosseini MH, Hossienzadeh M, Mehrabani D, Sayehmiri K, et al. *The healing effect of scrophularia striata on experimental burn wounds infected to Pseudomonas aeruginosa in rat*. World journal of plastic surgery. 2015;4(1):16
9. Maleki F, **Hadadi MH**, Rezaei F, Mohamadi HR, Khosravi A, Nasser A. *Classification and Replication Mechanism of Staphylococcus Phage*. Bioscience Biotechnology Research Acia. 2015;12(1):481-6.
10. Aref Shavalipour, Hossein Kazemian, Hamid Heidari, **Mohammad Hossein Haddadi**, Mohebi R. *Prevalence and antibiotic susceptibility pattern in microorganisms isolated from the diarrheal children in Ilam, Iran*, IJDR. 2015;5(01): 2871-4.

CONFERENCES

1. **Haddadi MH** , Bazargani A , Bagheri Lankarani K , Moini M , Emami A , Khashei R , Alizadeh M , Rahimi A , *The Frequency of CagA EPIYA- C Phosphorylation Sites in H. pylori Isolates among Patients with Upper Gastrointestinal Diseases, Shiraz, Iran, 2013*. 7th Iranian Congress Of Clinical Microbiology, October 19-21, 2013, P140
2. **Haddadi MH**, Bazargani A , Bagheri Lankarani K , Fattahi MR , Moini M , Emami A , Khashei R , Niknam R , *The prevalence of the duodenal ulcer*

promoting gene (dupA) in Helicobacter pylori isolates among patients with upper gastrointestinal diseases, Shiraz, Iran, 2013. The 2 nd Iranian Congress Of Medical Bacteriology, 24 October 2013, Tehran, Iran. P444.

3. **Haddadi MH**, Hajizade-safar E, *TGF- β -dependent T regulatory cells have stable phenotypic and high suppressive activity properties than exogenous foxp3 induced Treg.* 2019. The twenty Royan congress of personal medicine

Familiar with Techniques

- Microbiological culture and isolation
- Cell Culture
- Magnetic Activated Cell Sorting (MACS)
- Fluorescence-activated cell sorting (FACS)
- Real-time PCR
- Flow Cytometry
- Gene Transduction (Animal cells)
- Rat Handling
- Primer Design (PCR and RT-PCR)
- Histology Technique (preparation of tissue for microscopic examination)

Courses

- Molecular Genetic & Genetic Engineering
- Biotechnology Process Engineering
- System Biology & Bioinformatics
- Protein Engineering
- Biological Standardization
- Microchip & Microfluidic Systems
- Stem-cell Applications
- Vaccine
- Nano-biotechnology

Workshops

- Sampling technique and data analysis, Dec/2011
- Primer Design, Nov/2012
- Laboratory Health & Safety, Oct/2012
- Cell culture, (Royan institute workshop), Nov/2016
- Analysis of Microarray Data and Gene Regulatory Network with Cytoscape Software, Feb/2017
- Protein 3D Structure Prediction, Feb/2017
- Flow Cytometry, (Royan institute workshop), May/2017
- Bio-imaging, (Royan institute workshop), May/2017

Honors

- Member in Iranian Society of Microbiology (ISM)
- Member in Iranian Biotechnology Society (IBS)
- Researcher at Royan institute in Reproductive Biomedicine and Stem Cell

Experience

- Experience in ICDL1 & 2 (Microsoft office; word, power point, excel), SPSS, EndNote, Photoshop, prism, and prize presentation).
- Experience in alignment software CLASTALW.
- Lab teaching assistant in bacteriology at Shiraz medical university, Shiraz, Iran, (2011-2014).
- Research Assistant at Clinical Microbiology Research Center, Ilam University of Medical Sciences, Ilam, Iran (2014-2016).

References

· *Prof. Hossein Baharvand*

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