

Fatemeh Hadizadeh, MD, PhD.

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Fields of research: **Gut Microbiota, Human Genetics, Gastrointestinal Diseases**

Top of Form

Bottom of Form

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Education

- Feb 2018-Feb 2019: Researcher, Lars Engstrand group, Science for Life Laboratory (SciLifelab), Stockholm, Sweden.
- Dec 2013-Dec 2017: PhD Student, Department of Biosciences and nutrition, Karolinska Institute, Stockholm, Sweden.
- Sep 2014-Dec 2017: Associated doctoral student, RTG (research training program) gene, environment, inflammation, University of Kiel, Kiel, Germany.
- Sep 1999 – Jan 2007: Medical Student, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran

Lab visits

- Sep 2014: Professor Andre Franke lab, University of Kiel, Kiel, Germany.
- Oct 2015: Professor Mauro D'Amato lab, BioDonostia Health Research Institute, Bilbao, Spain.

Published Articles (Peer-reviewed Journals)

- **Hadizadeh F**, Walter S, Belheouane M, Bonfiglio F, et al. Stool frequency is associated with gut microbiota composition. *Gut* 2017;66(3):559-560.
- Jankipersadsing SA#, **Hadizadeh F**#, Bonder MJ, Tigchelaar EF, et al. A GWAS meta-analysis suggests roles for xenobiotic metabolism and ion channel activity in the biology of stool frequency. *Gut* 2017;66(4):756-758.

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- **Hadizadeh F**, Faghihimani E, Adibi P. Nonalcoholic fatty liver disease: Diagnostic biomarkers. *World J Gastrointest Pathophysiol* 2017;8(2):11-26.
- **Hadizadeh F**, Bonfiglio F, Belheouane M, Vallier M, et al. Faecal microbiota composition associates with abdominal pain in the general population. *Gut* 2018;67(4):778-779.
- Henström M, **Hadizadeh F**, Beyder A, Bonfiglio F, et al. TRPM8 polymorphisms associated with increased risk of IBS-C and IBS-M. *Gut* 2017;66(9):1725-1727.
- Henström M#, Diekmann L#, Bonfiglio F^, **Hadizadeh F**^, Kuech EM, et al. Functional variants in the sucrase-isomaltase gene associate with increased risk of irritable bowel syndrome. *Gut* 2018;67(2):263-270.

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^ *Shared second author*

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- Bonfiglio F, Henström M, Nag A, **Hadizadeh F**, Zheng T, Cenit MC, Tigchelaar E, Williams F, Reznichenko A, Ek WE, Rivera NV, Homuth G, Aghdassi AA, Kacprowski T, Männikkö M, Karhunen V, Bujanda L, Rafter J, Wijmenga C, Ronkainen J, Hysi P, Zhernakova A, D'Amato M. A GWAS meta-analysis from 5 population-based cohorts implicates ion channel genes in the pathogenesis of irritable bowel syndrome. *Neurogastroenterol Motil* 2018:e13358.
- **Hadizadeh F**, Faghihimani E, Adibi P. Nonalcoholic fatty liver disease: Diagnostic biomarkers. *World J Gastrointest Pathophysiol* 2017;8(2):11-26.
- Assadi G, Saleh R, **Hadizadeh F**, Vesterlund L, Bonfiglio F, Halfvarson J, Törkvist L, Eriksson AS, Harris HE, Sundberg E, D'Amato M. LACC1 polymorphisms in inflammatory bowel disease and juvenile idiopathic arthritis. *Genes Immun* 2016;17(4):261-4.
- Roghani-Dehkordi F, Hadizadeh M, **Hadizadeh F**. Percutaneous trans-ulnar artery approach for coronary angiography and angioplasty; A case series study. *ARYA Atheroscler* 2015;11(5):305-9.
- Adibi P, Daneshpazhouhnezhad P, SadeghpourSh, **Hadizadeh F***, Malekzadeh R. Fasting in patients suffering from gastrointestinal disorders; a guideline for family physicians. *JIMS* 2014; 32(274):131-148

- Sanei MH, **Hadizadeh F***, Adibi P, Alavi SA. Role of Inflammatory cells in acetic acid induced colitis. ABR 2013; 2(2)
- Hashemi M, **HadizadehF***.Diagnosis and Management of Chronic stable angina; a Clinical practice guideline for primary care physicians. JIMS 2012; 30 (204):1-14.
- Adibi P, **Hadizadeh F***. Treatment of Constipation in Adults: Primary Care Clinical Guideline. JIMS 2012; 30 (200):1177-1190.

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- **HadizadehF**, Adibi P. Clinickl Governance; a Guideline for implementing it in the hospitals. JHIM 2012; 9(3);305-309.
- Elsagh M, **HadizadehF**, Mazaheri M, Yavari M, Babaeian M, Sharifi A, et al. Approach to constipation in Iranian traditional medicine. Islam and Iran traditional Medicine Journal 2012; 4:361-370.
- **HadizadehF**,Hadadgar A, Adibi P. Students' Open Day of Research and Education in Isfahan University of Medical Sciences: A Brief Report. IJME 2012;12(4):220-230.
- Monajemi A, Arabshahi KS, Soltani A, Arbabi F, Akbari R, Custers E, Hadadgar A, **HadizadehF**, Changiz T, Adibi P. A comprehensive test of clinical reasoning for medical students: An olympiad experience in Iran. JEHP 2012;1(1):10-13.
- **HadizadehF**, Yazdani SH, Ferdosi M, Haghdoost AK, Rashidian A, adadgar A, et al. How can we motivate medical sciences students to learn health system management? A report of the first national Olympiad on managerial reasoning and decision-making. JRMS 2012; S2:253-258
- **Hadizadeh F**, RazaviSh, Nasr MH, Adibi P. Ethical Considerations in Stem Cell Therapy Studies. JIMS 2011;29(150):1120-1136
- **Hadizadeh F**, Yazdani SH, Ferdosi M, Haghdoost AK, Rashidian A, adadgar A, et al. The first national Olympiad on reasoning and decision making in Health system management; an experience Report. IJME 2011; 10(5):1018-1032
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- Monajemi A, Adibi P, SoltaniArabshahi K, Arbabi F, Akbari R, Custers E, Hadadgar A, **Hadizadeh F**, Changiz T. The battery for assessment of clinical reasoning in the Olympiad for medical sciences students. IJME 2011; 10(5): 1056-1067

- Sabouri M, Behfar A, Hadadgar A, Abedi M, **Hadizadeh F**. Reviewing the Efficacy of Education on Professional Decision-Making Skills in Reducing Uncertainty to Select Clinical Specialty in Medical Students of Isfahan University of Medical Sciences, Iran. JIMS 2011;29(149):1-8
- Hadizadeh M, Yaragh M, Sadeghi M, **Hadizadeh F**, Neshatdoost B. Effects of Allopurinol on the Left ventricular Ejection Fraction in Patients with Left Ventricular Failure. JIMS 2007;25 (85): 104-108
- Alavi SA, Moradi Sh, Mirkheshti N, Ghadiri A, **Hadizadeh F**. The comparison of acetic acid and strontium chloride procedures for extraction of Hemin. Medical laboratory journal 2007; 1(1): 12 – 17
- Mirkheshti N, Ghassami F, JadidiKh, Alavi SA, **Hadizadeh F**. Concentration of vitamin A and C in tear and serum samples of chemical casualties. Journal of military medicine 2006; 7(4): 287 – 293
- Mirkheshti N, Rajabi F, JadidiKh, Gassami F, Alavi SA, **Hadizadeh F**, Soleimani Z. The role of delayed ocular disorders of mustard gas on catalase and Glutation – S – Transferase activity. Kowsar medical journal 2006; 10 (4): 299-306
- JadidiKh, Mirkheshti N, Ghassami F, Alavi SA, TalebiSh, **Hadizadeh F**. The role reactive oxygen species in delayed ophthalmic disorders of sulphur mustard. Journal of military medicine 2005; 7(1): 9 – 15

Congress Papers

- **Hadizadeh F**, Henström M, Bonfiglio F, Rafter J, Agreus L, Engstrand L, et al.. Searching for genes where the sun don't shine: a pilot genome-wide association study (gwas) of stool frequency in a swedish population-based sample. United European Gastroenterology (UEG) week, 26-28th Oct 2015, Barcelona, Spain.
- Henström M, **Hadizadeh F**, Reznichenko A, Bonfiglio F, Cenit MC, Wijmenga C, et al. Exploring the genetic architecture of ibs through gwa studies of > 25,000 individuals from general population cohorts. United European Gastroenterology (UEG) week, 26-28th Oct 2015, Barcelona, Spain.
- **Hadizadeh F**, Henström M, Belheouane M, Heinsen FA, Hubenthal M, Rafter J, et al. A genome-wide study of the impact of human genetic variation on gut microbiota composition. 5th International Cluster Symposium. 26-26th Feb 2015, Kiel, Germany.
- **Hadizadeh F**, Hekmatnia A, Kolahdouzan F, Bakrani A, Zakizadeh J. What is the role of Health Technology Assessment (HTA) in Digitalizing of Radiology Systems? 24th Iranian Congress of Radiology. 2008, Shiraz, Iran.

- **Hadizadeh** F, Hekmatnia A, Bakrani A, Kolahdouzan F, Zakizadeh J. Does Digital Radiology have any Defects? 24th Iranian Congress of Radiology. 2008, Shiraz, Iran.
- Kolahdouzan F, Hekmatnia A, **Hadizadeh** F, Bakrani A, Zakizadeh J, Motaghi Z, Naghshineh F. Systematic view on a Modern medical Imaging department. 24th Iranian Congress of Radiology. 2008, Shiraz, Iran.
- Alavi SA, Mirkheshti N, Mirmohammadsadeghi M, Ghassami F, **Hadizadeh** F. MMP-1 in Mustard Ocular Complications. 8th annual research seminar of Iranian medical sciences students. 2007, Shiraz, Iran.
- Mirkheshti N, Ghassami F, SadeghiZadeh A, **Hadizadeh** F. The value of serum LDH determination in pulmonary fibrosis induced by mustard gas in animal model. 6th annual research seminar of Iranian medical sciences students. Apr 25-28, 2005, Sari, Iran.
- RafianSh, SadeghiZadeh A, Ghassami F, **Hadizadeh** F, Mirkhehsti N. Effect of thalidomide on bleomycin -induced pulmonary fibrosis in rats. 5th annual research seminar of Iranian medical sciences students. Oct 12-14, 2004, Mashhad, Iran.
- Ghassami F, Mirkheshti N, **Hadizadeh** F. The effect of oral rehydration solution(ORS) in maintaining the periodontal ligament fibroblasts. 5th annual research seminar of Iranian medical sciences students. Oct 12-14, 2004, Mashhad, Iran.
- Ghassami F, **Hadizadeh** F, Mirkheshti N, SadeghiZadeh A, Alavi SA. The therapeutic effect of Cyclosporine, Cyclophosphamide and Colchicin on the animal model of sulphur mustard induced pulmonary fibrosis. 5th annual research seminar of Iranian medical sciences students. Oct 12-14, 2004, Mashhad, Iran.
- Alavi SA, **Hadizadeh** F, Mirkheshti N, Ghassami F, SadeghiZadeh. The evaluation of Lymphosytic model as the cellualr Model for Mustard gas. 5th annual research seminar of Iranian medical sciences students. Oct 12-14, 2004, Mashhad, Iran.
- Mirkheshti N, Fattahi F, SadeghiZadeh A, Golshahi F, **Hadizadeh** F, Alavi SA. Evaluation of the efficacy of UP & Down Technique in determination of Mustard gas LD50. 4th annual research seminar of Iranian medical sciences students. Dec 8-10, 2003, Hamedan, Iran.
- Talebi S, AlaviSA, Mirkheshti N, SadeghiZadeh A, **Hadizadeh** F, Ani A. Comparison of different temperature liquid therapy on the management of Hemorrhagic

Shock. 4th annual research seminar of Iranian medical sciences students. Dec 8-10, 2003, Hamedan, Iran.

- Mirkheshti N, Karbasi S, **Hadizadeh** F. Bio compatibility of PVA-acrylic acid for the purpose of producing artificial cartilage. 4th annual research seminar of Iranian medical sciences students. Dec 8-10, 2003, Hamedan, Iran.
- SadeghiZadeh A, Alavi SA, Ghassami F, **Hadizadeh** F, Mirkhehsti N. Effects of anti-apoptosis drugs on lymphocyte apoptosis induced by nitrogen mustard. 4th annual research seminar of Iranian medical sciences students. Dec 8-10, 2003, Hamedan, Iran.
- ShamandiZ ,Alavi S.A , Golshahi F , **Hadizadeh** F , Majidinejad M. The Expression of bcl2 Gene in the Late Pulmonary Adverse Effects of Mustard Gas. 4th annual research seminar of Iranian medical sciences students. Dec 8-10, 2003, Hamedan, Iran.
- **Hadizadeh** F, Alavi SA, Talebi S, Sadeghizadeh A. The effect of Hydrocortisone succinate on Nitrogen Mustard treated Lynphocyte cells' death. 4th annual research seminar of Iranian medical sciences students. Dec 8-10, 2003, Hamedan, Iran.
- **Hadizadeh** F, Talae M, Gheisari Y, Rafeeian Sh. A project to Support students Researches; a reaserch-education experience. 5th International Congress of Medical Education. 2002, Shiraz, Iran

Published Books

- **Fatemeh Hadizadeh**. Understanding the interplay between gut microbiota, gut function and host genes in the generation of gastrointestinal symptoms and disease. Karolinska institute, 2017
- AtefehSadeghizadeh, **Fatemeh Hadizadeh**, Arashhadadgar, MansoorehPourmiri. Mentorship; a guideline for mentors and mentees. Isfahan University of medical sciences publication, 2010
- **Fatemeh Hadizade**, Payam Kabiri, Roya Kelishadi. a Guideline for Development and Adaptation of Clinical Practice Guidelines. Isfahan University of medical sciences publication, 2010
- Elham Faghieh Imani, Masood Amini. Inpatients Control of Serum Glucose. **Fatemeh Hadizadeh**, et al (Editors). Isfahan University of medical sciences publication, 2009

- **FatemeH Hadizadeh.** HomayonNaji. Clinical Audit. Isfahan University of medical sciences publication, 2008
- Peyman Adibi, ArashHadadgar, **FatemeH Hadizadeh**, ShaghayeghHaghjoo, Alireza Monajemi. Medical Science Olympiad; Concepts, Sisciplines and Methods in University Context. Isfahan University of medical sciences publication, 2008
- **FatemeH Hadizadeh**, FarzanehKolahdoozan, Asghar Bakrani, Ali Hekmatnia, jafarZakizadeh. Toward Digial Radiology. Isfahan University of medical sciences publication, 2007
- NimaKhalighinejad, ManijeAtaei, **FatemeH Hadizadeh.** An Introduction to Clinical Excellence and Clinical Governance. Isfahan University of medical sciences publication, 2007