Shirin Lotfipanah

Curriculum Vitae

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Tehran, Iran

Profile

Graduated with a Ph.D. degree in biology in the field of animal physiology; fluent in English and proficient in technical tools; with nine published articles; experienced in various research projects with over 15 years of teaching, research and professional experience seeking a postdoc position in cellular and molecular sciences, physiology, genetics or related research areas.

Education

Doctor of Philosophy in Biology - Animal Physiology — *Sep 2014 – Dec 2019*
Islamic Azad University, Science and Research Branch, Tehran, Iran
GPA: *17.73/20.00*
Thesis Title: *"Evaluation of apoptotic effects of carbon nanotubes on Jurkat cell line and animal model (Rat)"* (***Grade:*** *20/20)*
Supervisor: Dr. Majid Zeinali
Dr. Parichehreh Yaghmaei

Master of Science in Biology – Cellular and Molecular Sciences — *Sep 2000 – Feb 2004*
Khatam University, Tehran, Iran
GPA: *15.97/20.00*
Thesis Title: *"Determination of ATM gene mutations and analysis of chromosomal haplotypes in patients with AT in Iranian population"* (***Grade:*** *19/20)*
Supervisor: Dr. Hossein Sanati

Bachelor of Science in General Biology — *Sep 1995 – June 1999*
Shahid Beheshti University, Tehran, Iran
- *Ranked 551-600th in QS World University Rankings by Subject 2023*

GPA*: 16.95/20.00 (****Last Two Years GPA:*** *17.83/20)*

Research Interests

- Cellular and Molecular Sciences
- Genetics
- Physiology

Language Competence

Persian *(Native)*, English *(Fluent)*

Publications

Journal Articles:

1. L. Saremi, **S. Lotfipanah**, F. Feizy, M.E. Ghaffari, S. Babaniamansour, Z. Saltanatpour, "*Association between PRO12ALa Polymorphism of PPAR-γ2 Gene and Coronary Artery Disease in Iranian population with type two diabetes mellitus*" **2022, ACTA ENDOCRINOLOGICA (BUC)** (Link)
2. L. Saremi, **S. Lotfipanah**, M. Mohammadi, H. Hosseinzadeh, Z. Hosseini-Khah, B. Johari, Z. Saltanatpour, "*Association between PPARGC1A single nucleotide polymorphisms and increased risk of nonalcoholic fatty liver disease among Iranian patients with type 2 diabetes mellitus*" **2019, Turkish Journal of Medical Sciences** (Link)
3. L. Saremi, **S. Lotfipanah**, M. Mohammadi, H. Hosseinzadeh, M. Fathi-Kazerooni, B. Johari, Z. Saltanatpour, "*The Pro12Ala polymorphism in the PPAR-γ2 gene is not associated with an increased risk of NAFLD in Iranian patients with type 2 diabetes mellitus*" **2019, Cellular and Molecular Biology Letters** (Link)

4. **S. Lotfipanah**, M. Zeinali, P. Yaghmaei, "*Induction of caspase-2 gene expression in carboxyl-functionalized carbon nanotube-treated human T-cell leukemia (Jurkat) cell line*" 2021, Drug and Chemical Toxicology (Link)
5. L. Saremi, **S. Lotfipanah**, Z. Feizy, F. Rostami Avval, Z. Saltanatpour, "*The common PPARγ2 Pro12Ala polymorphism is associated with an increased risk of coronary artery disease (CAD) in Iranian patients with type 2 diabetes mellitus*" 2020, Journal (Link)
6. **S. Lotfipanah**, L. Saremi, N. Asgari, M. Houshmand, "*Frequency evaluation of the CYP3A4*4 polymorphism in iranian healthy volunteers*" 2016, Acta Medica International (Link)
7. L. Saremi, M.Saremi **S. Lotfipanah**, S. Imani "*Correlation between HFE gene polymorphisms and increased risk of coronary artery disease among patients with type 2 diabetes in Iran*" 2016, Turkish Journal of Medical Sciences (Link)
8. L. Saremi, M.Saremi, **S. Lotfipanah**, S. Imani "*Relationship between PPARGC1A Gene Polymorphisms with the Increased Risk of Coronary Artery Disease among Patients with Type 2 Diabetes Mellitus in Iran*" 2015, ACTA ENDOCRINOLOGICA (BUC) (Link)
9. L. Saremi, **S. Lotfipanah**, M. Mohammadi, H. Hosseinzadeh, A. Sayad, Z. Saltanatpour, "*Association of HFE gene mutations with nonalcoholic fatty liver disease in the Iranian population*" 2016, Cellular and Molecular Biology (Link)
10. **S. Lotfipanah**, P. Yaghmaei, M. Zeinali, S.A. Haeri Rohani, S. Kabodanian Ardestani, "*Evaluation of TNF Family Gene Expression under the Influence of Single-Walled and Multi-Walled Carboxylated Carbon Nanotubes in Jurkat Cell Line and Rat*" 2021, Iranian Journal of Biotechnology (Link)
11. L. Saremi, S. Esmaeili, M.E. Ghaffari, S. Shahbazi, **S. Lotfipanah**, M. Kadkhodazadeh, "*Evaluation of Matrix Metalloproteinase-1, -2, -3, -7, and -13 Gene Polymorphisms in patients with Chronic Periodontitis and healthy controls*" 2023, Journal of Immunology (Link)

Technical Skills

- Microsoft Office
- Basic Concepts of IT
- Research

Professional and Academic Experience

- **Teacher** — *Sep 2005 – Present*
  - Teaching Genetics, Cellular and Molecular Biology, Histology and Physiology of Glands and Nerves Courses

Farhangian University, Tehran, Iran

- **Teacher** — *June 2004 – Aug 2005*
  - Teaching Basics of Biochemistry Course

Islamic Azad University, Yadegar Emam Branch, Tehran, Iran

- **Article Reviewer** — *Sep 2020 – Present*

Farhangian University, Tehran, Iran

- **Article Reviewer** — *March 2022 – March 2023*

Aerospace Research Institute, Tehran, Iran

Related Courses and Academic Projects

Biochemistry	*18/20*	Cellular and Molecular Biology	*19/20*
Nerves Physiology	*18/20*	Genetics	*19.5/20*
Biotechnology	*18/20*		

Selected Projects:

- Evaluation of apoptotic effects of carbon nanotubes on Jurkat cell line and animal model (Rat)
  Ph.D. Thesis, under the supervision of Dr. Zeinali and Dr. Yaghmaei
- Determination of ATM gene mutations and analysis of chromosomal haplotypes in patients with AT in Iranian population
  Master's Thesis, under the supervision of Dr. Sanati

Certifications and Workshops

- Organizer of Primer Design and SPSS Training Workshops, *2022*
- Organizer of Cell Culture Workshop, *2022*

References

- Dr. Massoud Houshmand
  (*Google Scholar*)
  Professor
  Genetic Diagnostic department
  National Institute of Genetic Engineering and Biotechnology (NIGEB)
  massoudh@nigeb.ac.ir
- Dr. Ali Haeri Rohani
  (*Webpage*)
  Professor
  School of Biology
  University of Tehran
  alihaeri@ut.ac.ir