

# Negar Sadeghi

Prospective Ph.D. Student

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✉ negar.sadeghi99@gmail.com

📄 [LinkedIn](#)

☎ (+98)9389894837

🆔 <https://orcid.org/0000-0002-1344-2874>

📍 E. Golestan St, Khane Isfahan, Isfahan, Iran

## PROFILE

- A diligent and highly motivated student who loves researching and working in labs
- My thesis's about: The Molecular and Immunochromatographic Diagnosis of SARS-CoV-2
- Interested in the **Molecular Genetics** fields such as **Epigenetics, miRNA, Cancer, Genetic Engineering, and Aging.**

## EDUCATION

2019 — 2022

Isfahan, Iran

- **M.Sc. of Molecular Genetics**  
University of Isfahan, **GPA: 4/4 (19.7/20)**

2015 — 2019

Isfahan, Iran

- **B.Sc. of Cellular and Molecular Biology- Genetics**  
University of Isfahan, **GPA: 4/4 (19.66/20)**

## HONORS

2021

- **1st Ranked** among all M.Sc. students of the biology major.

2019

- **Admitted in M.Sc.** without participating in the university entrance exam **due to excellent scores in B.Sc.**

2019

- **Graduated in 1st ranked** among all B.Sc. students of the biology major.

2015

- **Ranked within the top 0.5%** among around **500,000 participants** in the National Entrance Examination for Iranian Universities.

## SKILLS

- Real-time PCR
- Standard PCR
- Gel Electrophoresis
- DNA and RNA Extraction
- LAMP Technique
- Gold Nanoparticle Synthesis
- Conjugation of Antibodies to Gold Nanoparticles
- Fabrication of Nanoparticle-based LFA
- R Programming
- Microsoft Office
- Fast Learning
- Creativity
- Self-motivation
- Research
- Ability to Work in a Team
- Time Management
- Good Interpersonal communication
- Positive Attitude
- Multitasking
- Leadership

## LANGUAGE

- Persian (Native Speaker)
- English/TOEFL: 103 (R: 30, L: 27, S: 21, W: 25)

## PUBLICATIONS

- 2023 • N. Sadeghi, N. Shirazi, M. Dehbashi, B. Maleki, and Z. Hojati / **“Development of a rapid LFA test based on direct RT-LAMP for diagnosis of SARS-CoV-2”**, (Original Article/ under submission)
- 2022 • N. Sadeghi / **“[Targeting miRNAs with CRISPR/Cas System in Cancer](#)”**, (Oral presentation and Poster), International Congress on Biomedicine (ICB), Iran
- 2022 • N. Sadeghi / **“[Epigenetic Regulations of ACE2 and COVID-19](#)”**, (Oral presentation and Poster), International Congress on Biomedicine (ICB), Iran

## HOBBIES

- Playing Table Tennis
- Cooking and Baking
- Reading
- Bike Riding
- Playing Video Games
- Watching Anime and Movies

## ACADEMIC PRESENTATIONS

- 2020 • Journal club on Gene Expression "**Cell-type-specific Genome Editing with A microRNA-Responsive CRISPR–Cas9 Switch**"  
Supervised by Dr. Zohreh Hojati
- 2020 • Presentation on Oncogene "**pRb and Control of the Cell Cycle Clock**"  
Supervised by Dr. Seyed Morteza Javadirad
- 2020 • Presentation on Recombination and DNA Repair "**DNA Damage Checkpoints**"  
Supervised by Dr. Majid Motovali-Bashi
- 2020 • Presentation on Genome Organization "**Methylation & Imprinting**"  
Supervised by Dr. Majid Motovali-Bashi
- 2020 • Presentation on Advanced Techniques in Genetics "**Primer Designing by Primer3**"  
Supervised by Dr. Sadegh Vallian
- 2019 • Presentation on Molecular Bases of Genetic Diseases "**Epigenetics**"  
Supervised by Dr. Sadegh Vallian
- 2019 • Presentation on Structure and Function of Genome "**Telomere and Telomerase**"  
Supervised by Dr. Majid Motovali-Bashi
- 2019 • Journal Club on Recombinant DNA "**Cancer therapy with a CRISPR-assisted telomerase-activating gene expression system**"  
Supervised by Dr. Zohreh Hojati
- 2019 • Presentation on Bioinformatic "**miRNA Databases**"  
Supervised by Dr. Mohamad Reza Ganjalikhany

## EXTRA-CURRICULAR ACTIVITIES

- 2022 • **Scientific Researcher**  
Scientific research and gathering information to produce content for the Instagram account of the scientific association of biology students, Department of Biology, Faculty of Science, Shiraz University
- 2019 • **Holding the B.Sc. Graduation Ceremony**  
The organizer of the B.Sc. graduation ceremony for the biology students of Isfahan university along with other representatives.



## CERTIFICATES

Nov 2022	<ul style="list-style-type: none"> <li>• <b>“The 6<sup>th</sup> International Congress on Biomedicine (ICB)”</b> Organized by a group of universities and research institutes in Iran, and other countries</li> </ul>
Jun 2022	<ul style="list-style-type: none"> <li>• <b>“Second International and Fourth National CRISPR” Symposium and “Principles of Gene Editing and sgRNA Design” Virtual Workshop</b> Organized by the National Institute of Genetic Engineering and Biotechnology (NIGEB)</li> </ul>
Mar 2022	<ul style="list-style-type: none"> <li>• <b>“Gene Therapy, Functions, and Applications” Webinar</b> Organized by Nour Medical Genetic Center and the Iranian Academy of genetics</li> </ul>
Mar 2022	<ul style="list-style-type: none"> <li>• <b>Virtual workshop on Introductory Cell Culture</b> Organized by the Biology Department College of Science, Shiraz University</li> </ul>
Feb 2022	<ul style="list-style-type: none"> <li>• <b>Virtual Workshop on Preliminary Genetic Data Analysis with R Software</b> Organized by Biotechnology, Plant Pathology, and Agriculture Student Scientific Associations Union</li> </ul>
Feb 2022	<ul style="list-style-type: none"> <li>• <b>Cancer Symposium &amp; everything about it</b> Organized by the Biology Department College of Science, Shiraz University</li> </ul>
Dec 2021	<ul style="list-style-type: none"> <li>• <b>“AIDS” Symposium</b> Organized by the Pasteur Institute of Iran, Shahid Chamran University, and the Iranian Biologists Union</li> </ul>
Oct 2021	<ul style="list-style-type: none"> <li>• <b>“mRNA Technology in Research and Medicine” Webinar</b> Organized by the ReNAP co. and Supported by the Iranian Biologists Union</li> </ul>
Sep 2021	<ul style="list-style-type: none"> <li>• <b>Microorganisms in Health and Disease Symposium</b> Organized by the Microbiology Research Center, Pasteur Institute of Iran, and Supported by the Iranian Biologists Union</li> </ul>
Mar 2021	<ul style="list-style-type: none"> <li>• <b>International Webinar of “PROBIOTICS &amp; COVID-19”</b> Organized by the Iranian Society of Probiotics and Functional Foods</li> </ul>
Dec 2020	<ul style="list-style-type: none"> <li>• <b>NGS Data Analysis Virtual Workshop</b> Organized by the International Congress of Isfahan Biomedical Sciences (ICIBS)</li> </ul>
Dec 2020	<ul style="list-style-type: none"> <li>• <b>“Analysis of ACE2 and SARS-CoV-2 Genome Sequences” Webinar</b> Organized by the National Institute of Genetic Engineering and Biotechnology (NIGEB)</li> </ul>
Dec 2020	<ul style="list-style-type: none"> <li>• <b>SPSS Virtual Workshop</b> Organized by Isfahan Science and Technology Town (ISTT)</li> </ul>
Jun 2018	<ul style="list-style-type: none"> <li>• <b>PCR Workshop</b> Organized by Biology Student Scientific Association, University of Isfahan</li> </ul>
Dec 2017	<ul style="list-style-type: none"> <li>• <b>Basic Rat and Mouse Handling and Technique Workshop</b> Organized by Biology Student Scientific Association, University of Isfahan</li> </ul>



## REFERENCES

**Dr. Zohreh Hojati (Supervisor)**

z.hojati@sci.ui.ac.ir

(+98)-3137932478

•Faculty of Sciences, University of Isfahan

**Dr. Majid Motovali-Bashi**

mbashi@sci.ui.ac.ir

(+98)-3137932474

•Faculty of Sciences, University of Isfahan

**Dr. Seyed Morteza Javadirad**

sm.javadirad@sci.ui.ac.ir

(+98)-3137932477

•Faculty of Biological Science & Technology, University of Isfahan