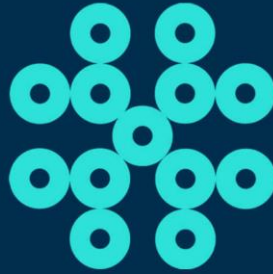




INTERNATIONAL
SOCIETY FOR
STEM CELL
RESEARCH



NATIONAL
STEM CELL
FOUNDATION



**Mohammad Hossein
Tavakkoli**



1| Biography & Personal details

- Born in Tehran (2005)
- Interested in wildlife , raising animals and biology related topics since childhood
- Educated at Allameh Helli 4 first grade high school in Tehran (2018–2020)
- Educated at Allameh Helli 2 second grade high school in Tehran (2021–2023)
- Undergraduate Nursing student at Semnan University of Medical Science from 2023 to present
- Environmentally friendly and supportive
- Capable of using innovative and creative methods to teach Biology Olympiad for people of all academic levels
- Capable of motivating students to work hard
- Olympiad Consultant and Educational Content Producer in this field

- Familiar with all the resources and stages of the Biology Olympiad from zero to one hundred for 1st & 2nd level

2| Special Honors

- Bronze medal of 7th Stem Cell & Regenerative Medicine Olympiad (2022)
- Mentoring and guest of 9th & 10th Stem Cell & Regenerative Medicine Olympiad (2024,2025)
- One of my best students “Amir Ali Zare Zadeh” won silver medal of last summer Stem Cell & Regenerative Medicine Olympiad’s forty-person competition (2024) and he is going to win another medal in this summer’s competition (2025) which is taking place at the national level
- Apprenticeship of Dr.Hossein Baharvand and a large number of IBO medalists

3| Professional Membership

- National Foundation of Iranian Elites
- Biology and Stem Cell & Regenerative Medicine Olympiad executive department of Allameh Helli 2 , 7 (second grade) and Allameh Helli 4 (first grade)
- IRISK association
- BIOZOOM association
- IRAN CELL association
- Cellul Az question design team
- Cellul Az editorial team
- KOSAR hospital
- AMIR hospital
- Number 7 of university futsal team

4| Research & Practice Areas of Interest

- Factors Affecting Cell Culture

- New Methods of Tissue Engineering
- Animal's Nich
- Bio Statistics
- Classical Genetics
- Cellular Massaging
- Drug Delivery
- Cancer Stem Cells
- Cell Reprogramming
- The Process of Evolution
- Animal Behaviors
- Artificial Synthesis of Materials

5| Research Experiences

- **Tavakkoli M**, Using “*sequential infection of Yamanaka factors*” protocol and *Vitamin c* for optimizing somatic cell's reprogramming to induced pluripotent stem cells (IPSCs) by reducing it's time

6| Presentations

- **Tavakkoli M**, How to optimize the quality of induced pluripotent stem cells (IPSCs) through reducing the time that somatic cells are in an “invitro” environment waiting for reprogramming process : in 7th Stem Cell & Regenerative Medicine Olympiad , defending the project in front of judges in the form of a proposal presentation (2022)
- **Tavakkoli M**, An introduction to stem cell science for students : in Allameh Helli 2 , 7 second grade high schools (2023,2024)
- **Tavakkoli M**, An introduction to stem cell science for beginners : in Allameh Helli 4 first grade high school (2023,2024)
- **Tavakkoli M**, How magic mushrooms affect the brain : in Semnan University of Medical Science (2023)

- **Tavakkoli M**, The psychological effects of divorce on children's future : in Semnan University of Medical Science (2025)

7| Works In Olympiad Field

- Manufacturer of Biology and Stem Cell & Regenerative Medicine Olympiad training packages : in progress
- Participant and presenter at conferences introducing people to the science of Stem Cells
- Author of the first stem cell student book written by a Stem Cell & Regenerative Medicine Olympiad medalist : in progress
- Founder of IRAN CELL association to create educational equity among participants of scientific competitions

8| Teaching Experiences

- Biology Olympiad and Stem Cell & Regenerative Medicine Olympiad in Allameh Helli 2 , 7 second grade high schools and Allameh Helli 4 first grade high school (2023,2024,2025)
- Mathematics for beginners (2022)

9| Events , Conferences and Congresses

- Participating in vaccinating people in public health centers
- Transition from middle age to old age congress (2024)
- Ceremony to acknowledge and thank the medalists of the Olympiad disciplines (2023)
- Solving genetics problems in an interdisciplinary manner
- HPV conference in Semnan University of Medical Science (2024)
- Influenza conference in Semnan University of Medical Science (2024)

- Biology Olympiad competition 1st & 2nd level (2021)
- Biology Olympiad competition 1st & 2nd level (2022)
- Stem Cell & Regenerative Medicine Olympiad competition 1st & 2nd level (2021)
- Stem Cell & Regenerative Medicine Olympiad competition 1st & 2nd level (2022)
- Brain Bee competition
- Food and Drugs congress (Physiology)
- Covid 19 conference in Semnan University of Medical Science (2024)
- Resuscitation of dying people conference in KOSAR hospital (2023)
- How are Bipolar patients exactly conference in the mental department of KOSAR hospital under surveillance of Semnan University of Medical Science (2024)
- How Na⁺ K⁺ pump does work conference in Semnan University of Medical Science (2024)
- Drug delivery methods conference in Tehran

- Visit Royan research institute Along with the Stem Cell & Regenerative Medicine Olympiad {7th} medalists (2022)

10| References

- Dr. Hossein Baharvand : Known as father of stem cell science in IRAN ! and faculty member of Royan institute , Doctorate in Developmental Biology
- [If you want to see the Resume References \(RR\) of Mohammad Hossein Tavakkoli , click on this sentence to enter the relevant Telegram channel](#)