

Program Information

Major (Name of Program)	Cell Therapy
Program Type¹ (For Further information regarding Program types, please refer to the Glossary on page 4)	Degree Based ☐ Non Degree Based ☒ (Please specify in one of the next two rows)
Degree Based Level of study² (For Further information regarding Degree based levels of study please refer to the Glossary on page 4)	Undergraduate ☐ Master's ☐ Ph.D.(By Coursework and research ☐ , By research ☐) Specialty ☐ Subspecialty ☐
Non-Degree Based Level of study² (For Further information regarding non degree based levels of study, please refer to the Glossary on page 4)	Fellowship ☐ Post-Doctorate ☐ Short-Term Training Program ☒ (Duration 1 Months) Medical Elective (Clinical Rotation/Internships) ☐ Summer Program ☐ Other ☐ (please specify)
School/ Research Center	مرکز جامع سلولهای بنیادی و پزشکی بازساختی Comprehensive Center for Stem Cells and Regenerative Medicine
Department	مرکز تحقیقات فناوری های سلول های بنیادی Stem Cell Technologies Research Center
Brief Description of the Major/study Program (300 to 1000 characters)	This Short-Term Training Program focuses on advanced training in stem cell research, covering topics such as stem cell isolation, characterization, differentiation, and therapeutic applications. Participants will gain hands-on experience in cutting-edge techniques, including flow cytometry, qRT-PCR, RTPCR, design and fabrication of different scaffolds, tissue engineering methods and biochemical signaling. The program emphasizes translational research and prepares participants for careers in regenerative medicine and biomedical sciences. Collaborative opportunities with renowned researchers provide a unique learning experience.
Related Website/Webpage (If Any)	https://sctrc.sums.ac.ir
Related Keywords (Minimum 3 Keywords)	Stem Cell Therapy Regenerative Medicine Tissue Engineering Biochemical Signaling Short-term Course

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Capacity (Number of International Students for Each Educational Year)	10
Program Information	
First Admission Round	Applications are reviewed and accepted on a rolling basis, with program timing determined by the research center.
Complete Description of the Major/study Program	Advanced Stem Cell Training and Research is a one-month intensive program designed to provide participants with advanced training in stem cell research and regenerative medicine. The curriculum includes theoretical and practical components, focusing on techniques such as stem cell isolation, characterization, differentiation, and therapeutic applications. Participants will gain hands-on experience in advanced methodologies, including flow cytometry, qRT-PCR, RTPCR, design and fabrication of different scaffolds, tissue engineering methods and biochemical signaling, which are critical for modern biomedical research. The program emphasizes translational research, bridging laboratory discoveries with clinical applications. Participants will work closely with experienced researchers in a collaborative environment, contributing to ongoing projects and exploring innovative approaches in regenerative medicine. This program is ideal for individuals aiming to advance their careers in stem cell therapy, tissue engineering, and related biomedical fields. Additionally, the program fosters networking opportunities through collaboration with experts and exposure to a multidisciplinary approach, ensuring a comprehensive understanding of stem cell technologies and their impact on healthcare solutions.
Language Requirements³ For Further information regarding Minimal English Language Proficiency, please refer to the Glossary on page 5)	• English Proficiency: Minimum IELTS: 5.5 Proficiency in academic and scientific communication is required.

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Required Previous Certificates & Other Admission Requirements⁴

For Further information regarding
required admission requirements,
please refer to the Glossary on page

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- Bachelor's or Master's degree in biological sciences, medicine, or a related field.
- CV demonstrating experience or interest in stem cell research and regenerative medicine.
- A motivation letter detailing the applicant's research goals and expectations from the program.
- Recommendation letter from 2 academic or professional mentors.

Contact Info (Program Coordinator)

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Contact Person Name	Prof. Nader Tanideh

Glossary

¹Program Type

- If applicants should apply for B.Sc., M.D., Pharm.D., D.D.S., M.Sc., Ph.D., Specialty, Sub-Specialty, you should check Degree Programs.
- If applicants should apply for Fellowship Programs, Post-Doctorate, Short-Term Training Program, Medical Elective, Summer Programs, and other certificate-based programs, you should check Non-Degree Programs.

²Level of study

- Bachelor of Science (B.Sc.) is a four-year undergraduate program.
- Doctor of Medicine (M.D.) is a seven-year undergraduate program on general Medicine.
- Doctor of Dental Surgery (D.D.S.) is a six-year undergraduate program on Dentistry.
- Doctor of Pharmacy (Pharm.D) is a six-year undergraduate program on Pharmacy.
- Master of Science (M.Sc.) is a two- to three-year graduate program.
- Doctor of Philosophy (Ph.D.) is a three- to five-year graduate program. Including:
 - ✓ Doctor of Philosophy Ph.D. by Coursework & Research includes two years of Ph.D. courses, a Comprehensive Exam, and then 2 to 2.5 years of Ph.D. research.
 - ✓ Ph.D. by Research includes 12 credits of Ph.D. courses and then the rest of Ph.D. program would be research.
- Specialty (Residency) is a three- to five-year graduate program offered to MD/MBBS degree holders.
- Subspecialty is a two- to three-year graduate program offered to specialty degree holders.
- Fellowship is a graduate program offered to Specialty or Subspecialty degree holders.

³Language Requirements

- SUMS’ minimal requirements for English language proficiency for **undergraduate admission** is: IELTS: minimum band score of 5.5, TOEFL (or its equivalent in TOEFL) iBT (minimum 69) or TOEFL PBT (minimum 525). The following individuals are exempted from providing a certificate of English proficiency:
 - Applicants who are natives of English speaking countries
 - Applicants whose language of instruction in their previous degrees has been English.

- SUMS’ minimal requirements for English language proficiency for **graduate admission** is: IELTS: minimum band score of 5.5, TOEFL (or its equivalent in TOEFL) iBT (minimum 72) or TOEFL PBT (minimum 533). The following individuals are exempted from providing a certificate of English proficiency:
 - Applicants who are natives of English speaking countries
 - Applicants whose language of instruction in their previous degrees has been English.

NOTE: Please note that applicants from Farsi Speaking countries (They shall both speak and write in Farsi) who have applied for Degree-based programs may be exempted, based on the decision of the department, from submitting any certificates regarding their English Language Proficiency. Nevertheless, they are required to hand in their English language certificate which meets SUMS’ minimal language proficiency requirements, within one year from commencing their studies at SUMS.

4Required Previous Certificates & Other Admission Requirements

Degree Programs

Undergraduate applicants are required to provide us with Secondary School Certificate (SSC) and Higher Secondary School Certificate (HSSC), or their equals.

Graduate applicants who are applying for **M.Sc. level** should provide us with B.Sc. degree, SSC, and HSSC Higher Secondary School Certificate) along with their complete transcripts of records.

Graduate applicants who are applying for **Ph.D. level** should provide us with M.Sc. and B.Sc. degrees along with their complete transcripts of records.

Graduate applicants who are applying for **Specialty level** should provide us with M.B.B.S./M.D. degree or their equivalents along with its complete transcript of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.

Graduate applicants who are applying for **Subspecialty** should provide us with M.B.B.S./M.D. or their equivalents, and Specialty degrees along with their complete transcripts of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.

Non-Degree Programs

Academic Degrees and their Transcripts of Records for **Non-Degree Programs Applicants** (Post-Doctorate, Fellowship, Short-Term Training Programs, Medical Elective, Summer Program, etc.):

Non-Degree Programs Applicants should provide us with their last academic degree(s) along with the complete transcript(s) of records.

Please note that applicants who are applying for **Fellowship level** should provide us with M.B.B.S./M.D. or their equivalents, and Specialty degrees along with their complete transcripts of records. They should also provide their Certificate of Practice (COP)/Certificate of Internship.