



Master Programs

| Master Program | Stem Cells, Organogenesis and Regenerative Medicine (SCRM) |
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| Master Type | <input type="checkbox"/> M1+ M2 Professional <input type="checkbox"/> M2 Professional <input checked="" type="checkbox"/> M2 Research |
| Teaching Language | <input type="checkbox"/> English <input type="checkbox"/> French <input checked="" type="checkbox"/> Mixed - English & French |
| Place of Teaching (Campus) | <input type="checkbox"/> Hadat <input checked="" type="checkbox"/> Fanar <input type="checkbox"/> Tripoli <input type="checkbox"/> Nabatieh |
| About the Program | <ul style="list-style-type: none"> - 1-year master's degree program aims to provide a high level of scientific knowledge and understanding of stem cell biology and regenerative medicine. - Designed to provide advanced education and hands-on research experience - Dedicated to applicant with a scientific or medical background interested in pursuing a professional or research career in the stem cells and Regenerative Medicine field of stem cells therapies or academia |
| Program Learning Outcomes | <ul style="list-style-type: none"> - Demonstrate advanced knowledge and understanding of the fundamental principles, concepts, and current research in stem cell biology, including embryonic, adult, and induced pluripotent stem cells. - Critically analyze the properties, potential, and limitations of different stem cell types and their applications in regenerative medicine. - Evaluate the regulatory, ethical, and social considerations surrounding the use of stem cells in research. - Design and execute independent research projects and clinical protocols related to stem cell technology, using appropriate experimental methods, statistical analysis and data interpretation. - Demonstrate advanced proficiency in various stem cell culture techniques, including isolation, expansion, characterization, and differentiation of stem cells. - Critically appraise the current state of the art in stem cell-based therapies and regenerative medicine, and identify promising future directions for research and clinical applications. |
| Fields of Work | <ul style="list-style-type: none"> - Research-focused roles in academia or medical field: <ul style="list-style-type: none"> • Pursue a PhD by applying to and international PhD program • Laboratory research assistant. • Clinical research field - Careers in the growing stem cell therapeutics and industrial field <ul style="list-style-type: none"> • Stem cells banking • Tissue engineering |
| Admission Requirements | <p>GPA: Minimum GPA of 55/100 for students from Lebanese University Minimum GPA of 3.2 for students from outside Lebanese University</p> <p>Major:</p> <p><input type="checkbox"/> Chemistry <input checked="" type="checkbox"/> Biochemistry <input checked="" type="checkbox"/> Animal Biology <input type="checkbox"/> Plant Biology</p> <p><input type="checkbox"/> Math <input type="checkbox"/> Computer Science <input type="checkbox"/> Electronics <input type="checkbox"/> Physics</p> <p><input checked="" type="checkbox"/> Medical Field (MDs, Dentistry, Paramedical ...)</p> |
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