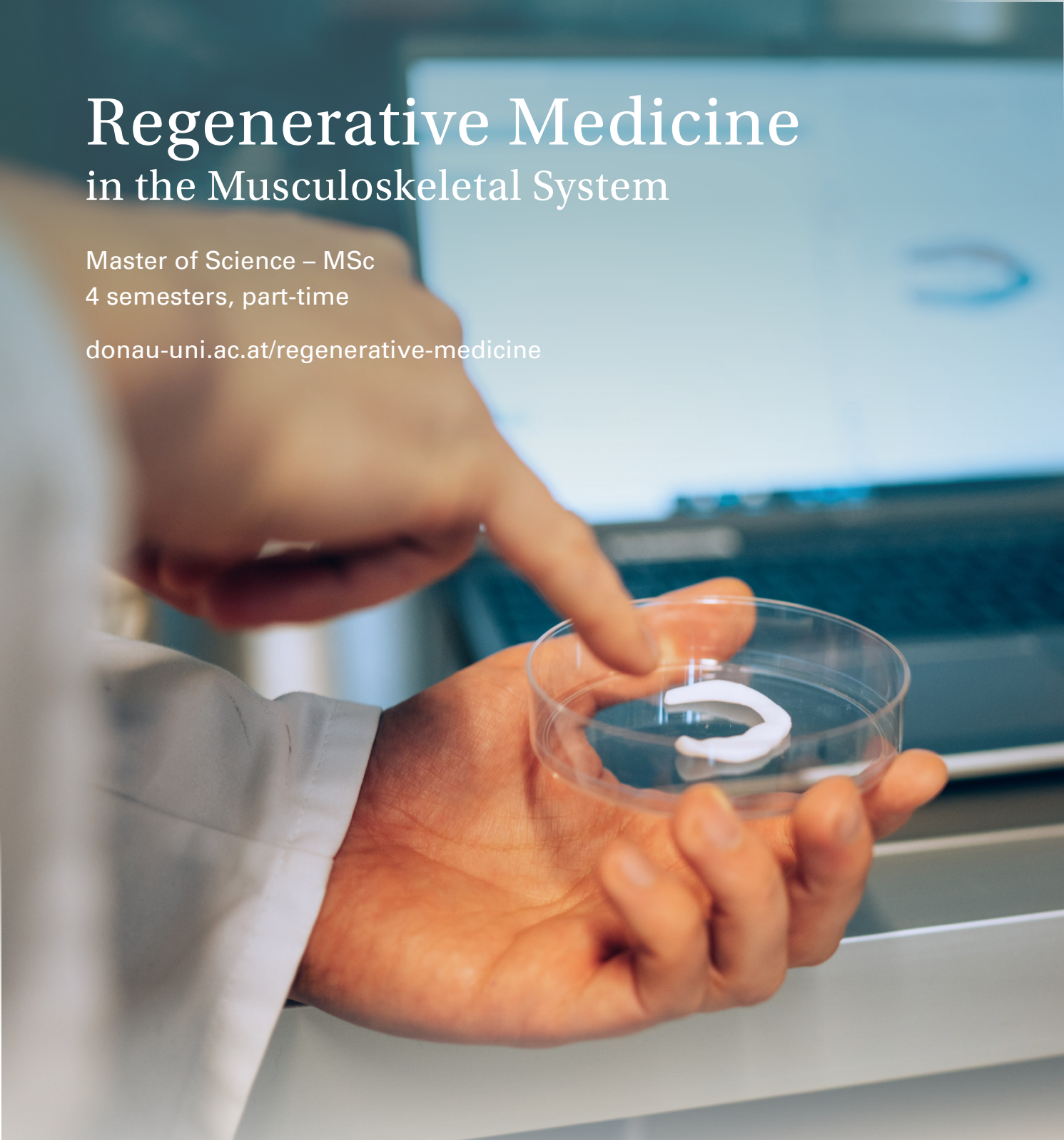


Regenerative Medicine in the Musculoskeletal System

Master of Science – MSc
4 semesters, part-time

donau-uni.ac.at/regenerative-medicine



Regenerative Medicine

This international Master aims to provide participants with both theoretical, clinical and practical skills on the use of regenerative medicine in the treatment of musculoskeletal pathologies. The Master is offered together with the Humanitas University, Milan. The innovative character of the program results from the cooperation with the Humanitas University as well as the practice-oriented units at research-oriented, international locations.

Benefits from our study program

- > For working professionals: Students will acquire the ability to apply the theoretical knowledge acquired during lessons in practice-focused and cadaver lab sessions, with an emphasis on PRP, stem cells, and extracellular vesicles used in the musculoskeletal system from a clinical and pre-clinical standpoint
- > Research-led: Students will gain an understanding of the clinical and pre-clinical research evidence connected to the surgical techniques used in regenerative medicine, including "stem cells" both from bone marrow and adipose tissue and new biomaterials for cartilage, osteochondral, and bone restoration.
- > Future-oriented: Students will gain an understanding of ultrasound-guided injections, physical-biological therapies such as shock waves and magnetotherapy and fundamentals governing the use of artificial intelligence in regenerative medicine.

Admission requirements

Prerequisites for admission to the continuing education study program are

- > a university degree from a regular Austrian or equivalent foreign degree programme in human medicine or in the life sciences including the subjects of biology, biochemistry, molecular biology at least at NQF level VII (e.g. Master's or Diploma)
- > and several years of relevant professional experience.

Cooperation Partner:



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Humanitas University is an International Medical School based in Milan, built alongside the renowned Humanitas Research and Teaching Hospital. A university highly focused on the growth of its students, their training, their clinical and research careers, in Italy and overseas. Offering undergraduate and postgraduate studies with Medical Specialty Schools, as well as masters, advanced training programmes and PhDs. Humanitas University prepares its students to thrive in the clinical and research areas in Italy or overseas. An international and stimulating environment frames all our courses at Humanitas University. We seek to support our students' personal and professional growth and believe in nurturing a spirit of collaboration, curiosity and responsibility. Today Humanitas University hosts 2,000 among undergraduate and postgraduate students.

hunimed.eu

Quick Facts

Graduation

Master of Science – MSc

ECTS-Points

60

Duration

4 semesters, part-time

Start

Summer semester 2027

Registration deadline

February 25, 2027

Costs

EUR 8,000

Language

English

Study location

Online and Milan (Italy)

Information

University for Continuing Education KREMS

Center for Health Sciences and Medicine

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University for Continuing Education KREMS



The University for Continuing Education KREMS specializes in academic continuing education for working professionals. As a public university for continuing education, it works with its expertise in research and teaching to overcome societal challenges and tailors its study programs to address them. The continuing education study programs cover ten fields of study and meet the specific requirements of students with work experience. With over 8,000 students coming from 90 countries, the University for Continuing Education KREMS combines its many years of experience in university-based continuing education with innovation to provide outstanding quality in research and teaching at an international level. The University holds the AQ Austria quality seal. Situated 60 km from Vienna in the alluring world heritage region Wachau, Campus KREMS is a highly attractive location.

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