



Med Uni
Graz

Pioneering Minds



PHD PROGRAMS OF THE MEDICAL UNIVERSITY OF GRAZ



FIRST CLASS EDUCATION

The programs provide cutting-edge education in basic principles of human diseases and therapeutics.

The research topics cover various aspects of cardiovascular diseases, inflammation, cancer, autoimmune diseases and stem cells. The participating laboratories offer a stimulating learning and research environment integrating basic, translational, applied and clinical sciences as well as a wide spectrum of state-of-the-art techniques. Graduates are prepared for doing research independently in an international environment and can look forward to a rewarding career.

THE MEDICAL UNIVERSITY OF GRAZ OFFERS FIVE DEGREE PHD PROGRAMS

- ▶ PhD Program Molecular Medicine (MolMed)
- ▶ PhD Program Advanced Medical Biomarker Research (AMBRA)
- ▶ Doctoral College Metabolic and Cardiovascular Disease (DK-MCD)
- ▶ Doctoral Program in Inflammatory Disorders in Pregnancy (DP-iDP)
- ▶ Doctoral Program Immune Modulation in Respiratory Diseases (RESPIimmun)
- ▶ Doctoral Program Biomolecular Structures and Interactions (BioMolStruct)

PhD PROGRAM MOLECULAR MEDICINE

PhD MOLMED

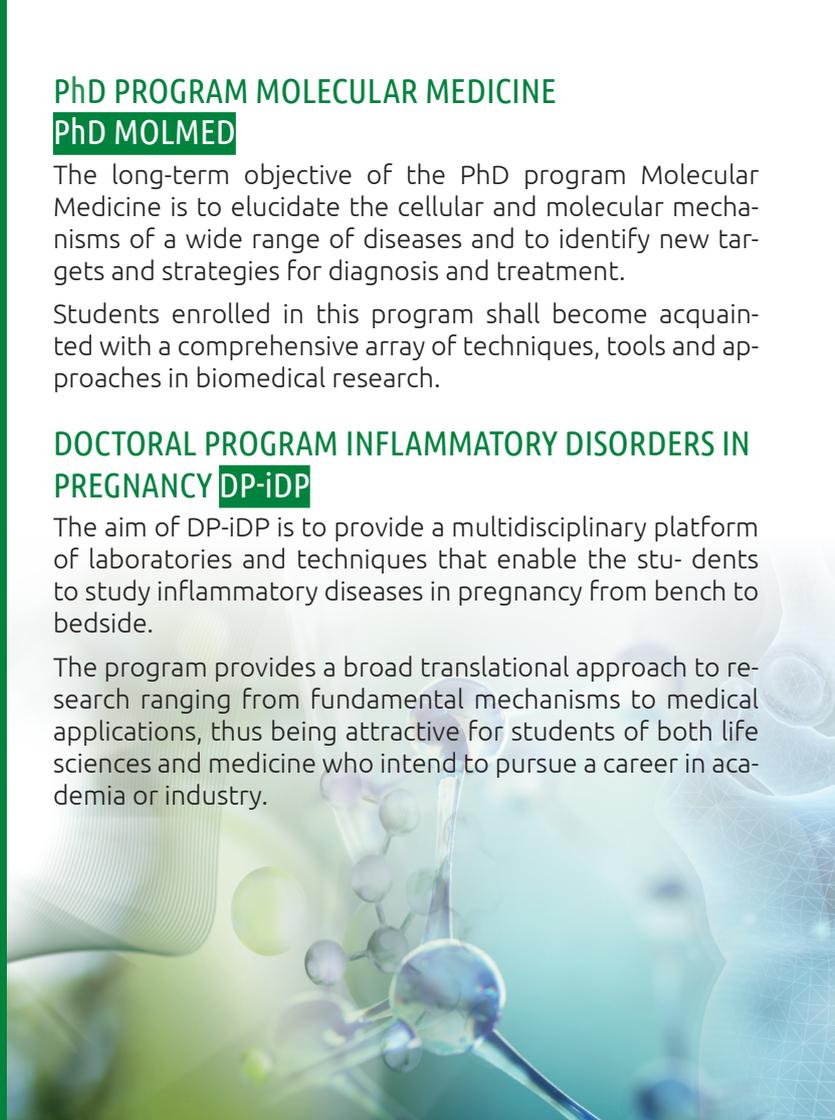
The long-term objective of the PhD program Molecular Medicine is to elucidate the cellular and molecular mechanisms of a wide range of diseases and to identify new targets and strategies for diagnosis and treatment.

Students enrolled in this program shall become acquainted with a comprehensive array of techniques, tools and approaches in biomedical research.

DOCTORAL PROGRAM INFLAMMATORY DISORDERS IN PREGNANCY DP-iDP

The aim of DP-iDP is to provide a multidisciplinary platform of laboratories and techniques that enable the students to study inflammatory diseases in pregnancy from bench to bedside.

The program provides a broad translational approach to research ranging from fundamental mechanisms to medical applications, thus being attractive for students of both life sciences and medicine who intend to pursue a career in academia or industry.



DOCTORAL PROGRAM IMMUNE MODULATION IN RESPIRATORY DISEASES **RESPIMMUN**

The doctoral Programme RESPIimmun focuses on respiratory diseases and related immunomodulatory mechanisms, both are highly relevant for medical research and patient care.

One unique feature of this PhD program is its translational and interdisciplinary nature, which allows specialists from diverse fields such as pulmonology, pathology, immunology, pharmacology, translational sciences, molecular biology and bioinformatics to jointly foster the understanding of underlying pathologies.

DOCTORAL COLLEGE METABOLIC AND CARDIOVASCULAR DISEASES **DK-MCD**

The DK-MCD focuses on lipid-associated metabolic diseases, cardiovascular diseases and the relation between cancer and lipid metabolism. It strives to develop new concepts and technologies for studying metabolic and cardiovascular diseases.

The multidisciplinary program provides a broad translational approach to research that encompasses aspects ranging from basic biomedical research to medical applications.

DOCTORAL PROGRAM BIOMOLECULAR STRUCTURES AND INTERACTIONS **BIOMOLSTRUCT**

BioMolStruct study biomolecules and biomolecular complexes playing essential roles in cellular signaling and metabolism, with a focus on proteins, protein complexes, and lipid/protein interactions that are linked to ageing, cancer, neurodegenerative, metabolic, and cardiovascular diseases as well as genetic disorders.

The integrative training program sustains specialized education with deep knowledge in integrative structural biology of dynamic biomolecules and complementary structural biology techniques to cover basic research embedded in (patho)physiological contexts.

PhD PROGRAM ADVANCED MEDICAL BIOMARKER RESEARCH **PhD AMBRA**

The PhD program AMBRA addresses the identification and validation of novel biomarkers in areas such as metabolic and cardiovascular disorders, cancer, autoimmune diseases and inflammation.

The program offers the students a multidisciplinary training in an extensive network of basic and applied research scientists, medical specialists and industrial researchers.





ADMISSION

PhD candidates are selected in a two-stage process (written/oral) following an international call for tender.

Admission Requirements

- ▶ Applicants must hold a Master's degree or equivalent in any discipline of Science, Life Sciences or Medicine
- ▶ Documented scientific interest
- ▶ Research experience
- ▶ Excellent recommendations
- ▶ Proficiency in English

CONTACT

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