



Medical University of Graz

MEDICAL UNIVERSITY OF GRAZ

Austria

Introduction into...



Medical University of Graz

- ▶ **Graz and the Medical University of Graz**
- ▶ Studies and Teaching
- ▶ Research
- ▶ Quality Management
- ▶ International Cooperation



Medical University of Graz

Medical University of Graz (Austria)



Illustration: Austrian Academic Exchange Service

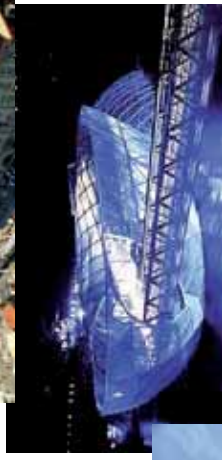
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Graz



Medical University of Graz

- ▶ Austria's second-largest city
(second only to the capital Vienna)
- ▶ ~ 250.000 inhabitants
- ▶ important university-city:
4 universities
~ 40.000 students



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Graz – small but beautiful



Medical University of Graz



- ▶ UNESCO Cultural World Heritage since 1999
- ▶ Cultural Capital of Europe in 2003
- ▶ Emblem of Graz: „Castle hill“ (Schlossberg) and the Clock Tower
- ▶ New emblem: Art House – the „friendly alien“

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A new university – with an old tradition



Medical University of Graz

- ▶ University of Graz was founded in 1585
- one of the oldest universities in Central Europe
- ▶ in 1863: Medical Faculty was built
- ▶ in 1912, Regional and University Hospital was founded
– the largest and most modern hospital in Europe at the time
(art nouveau architecture)
- ▶ in 2004: Medical University demerged from the University of Graz and became an independent university

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Medical University of Graz Pre-clinical institutes



Medical University of Graz



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University Clinics / Regional Hospital Hospital premises



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University Clinics / Regional Hospital Hospital premises



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Rectorate



Medical University of Graz

Rector

Univ.-Prof. Dr. J. Smolle



**Vice-Rector for Studies
and Teaching**

Univ.-Prof. Dr. G. Reibnegger



**Vice-Rector for Human Resources
and Gender Equality**

Univ.-Prof. Dr. A. Langmann



Vice-Rector for Financial Affairs

Mag. Oliver Szmej



Vice-Rector for Research

Univ. Prof. Dr. Irmgard Lippe

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Teaching, Research and Medical Care



Medical University of Graz

The Medical University of Graz comprises...

- ▶ 14 preclinical institutes
- ▶ 23 clinical departments with 45 divisions
- ▶ 760 teachers permanently employed (plus 130 avocational)

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High quality education



Medical University of Graz

The Medical University of Graz offers programmes in

- ▶ **Human Medicine** - Diploma programme (6 years)
- ▶ **Dental Medicine** - Diploma programme (6 years)
- ▶ **Health and Nursing** - Bachelor (3 years) and Master programme (2 years)
- ▶ **Medical Sciences** - Doctorate programme (3 years)
- ▶ **PhD programme** - Doctorate programme (3 years)

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Goals of the Medicine programme



Medical University of Graz

- ▶ Interweaved knowledge
- ▶ Skills
- ▶ Ability to communicate
- ▶ Early contact with patients
- ▶ Ability to reflect and criticize
- ▶ Ethical attitude
- ▶ Scientific and critical thinking

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Formal structure



Medical University of Graz

- ▶ Modules (5 weeks each)
- ▶ Tracks
- ▶ Integration from the very beginning
- ▶ 1 year focus on basics (with clinical parts)
- ▶ 4 years focus on clinical issues (still with basics)
- ▶ 1 year focus on clinical practice, bed side teaching

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High quality education



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Postgraduate courses

- ▶ Medical Management
- ▶ Public Health in Nursing
- ▶ Interdisciplinary Course for Children's Advancement and Family Assistance International
- ▶ Dermoscopy diploma programme (e-learning course)

Postgraduate Master courses

- ▶ Public Health
- ▶ University training course for public health officers
- ▶ Master of Science in cardiorespiratory Physiotherapy (start: planned in March 2008)

- ▶ Postgraduate School: www.meduni-graz.at/ps

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High quality education



Medical University of Graz

Students:

- ▶ about 5.000 regular students
- ▶ 336 Medicine and 24 Dentistry students have been accepted in 2008/2009
- ▶ about 350 graduates each year

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High quality education



Medical University of Graz

Clinical Skills Center

- ▶ To practice and deepen clinical skills on dummies
- ▶ Specialists from different departments created the specific stations and trained students to work as tutors for their colleagues
- ▶ **Stations:**
 - Cardiologic diagnosis on patient-simulator
 - Radiological examinations
 - Suture
 - Placement of an indwelling catheter



Introduction into...



Medical University of Graz

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Nobel Prize Winners



Medical University of Graz

- ▶ Fritz Pregl (1923 – Chemistry)
- ▶ Julius Wagner-Jauregg (1927 – Medicine)
- ▶ Otto Loewi (1936 – Medicine)

Preclinical Departments



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Center for Molecular Medicine

- ▶ Institute for Molecular Biology and Biochemistry
- ▶ Institute for Pathophysiology
- ▶ Institute for Cell Biology, Histology and Embryology

Center for Physiological Medicine

- ▶ Institute for Systems Physiology
- ▶ Institute for Biophysics
- ▶ Institute for Physiological Chemistry

Center for Theoretical-Clinical Medicine

- ▶ Institute for Anatomy
- ▶ Institute for Forensic Medicine
- ▶ Institute for Pathology
- ▶ Institute for Medical Informatics, Statistics and Documentation
- ▶ Institute for Social Medicine and Epidemiology
- ▶ Institute for Experimental and Clinical Pharmacology
- ▶ Institute for Hygiene
- ▶ Institute for Medical Biology and Human Genetics

approx. 16.000 sq meters

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Clinical Departments



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- ▶ Department of Obstetrics and Gynaecology
 - ▶ Department of Ear, Nose and Throat
 - ▶ Department of Internal Medicine
 - ▶ Department of Ophthalmology
 - ▶ Department of Anaesthesiology and Intensive Care Medicine
 - ▶ Department of Surgery
 - ▶ Department of Dermatology
 - ▶ Department of Paediatrics
 - ▶ Department of Paediatric Surgery
 - ▶ Department of Medical Psychology and Psychotherapy
 - ▶ Department of Neurology
 - ▶ Department of Neurosurgery
 - ▶ Department of Orthopaedic Surgery
 - ▶ Department of Psychiatry
 - ▶ Department of Radiology
 - ▶ Department of Radiotherapy-Radiocology
 - ▶ Department of Trauma Surgery
 - ▶ Department of Urology
 - ▶ Department of Dental Medicine
 - ▶ Department of Blood Group Serology and Transfusion Medicine
 - ▶ Institute of Immunology
 - ▶ Institute of Clinical Psychosomatic
 - ▶ Institute of Laboratory Diagnostics
- Some 3.000 sq metres**

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Research in the new Center for Medical Research



Medical University of Graz

- ▶ established in 2004
- ▶ 6,000 sq meters at the newly set up Centre for Medical Research
- ▶ lab space, office space and services for interdisciplinary projects (for limited periods of time)
- ▶ better communication between research groups
- ▶ efficient use of expensive equipment
- ▶ Library and Studying Center



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Focus Research Areas at the Medical University of Graz



Medical University of Graz

- ▶ Molecular medicine (lipid-associated disorders)
- ▶ Neuroscience
- ▶ Cancer research
- ▶ Sustainable health research
- ▶ Cardiovascular research

Introduction into...



Medical University of Graz

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- ▶ **Quality Management**
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Quality Management



Medical University of Graz

- ▶ First Austrian Medical University to be accredited by ACQUIN
- ▶ Examination of quality in
 - learning outcomes
 - final level of knowledge
 - imparting of expertise and medical competence
 - quality of staff and facilities
 - testing system
- ▶ Certification of the Quality Management in Teaching and Studies:
in progress

Quality Management



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PTM – Progress Test Medizin

- ▶ Developed by Charité Berlin
- ▶ Very good performance of students
- ▶ Comparison to highly prestigious German Medical Universities

Innovation



Medical University of Graz

- ▶ Obligatory elective at General Practitioner during the final year
- ▶ SSM – Special Study Modules
- ▶ Great support for international study and practical experience

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International Cooperation



Medical University of Graz

Erasmus programme

- ▶ Student and teaching staff exchange with over 50 universities from all over Europe
- ▶ Exchange for one semester or one year

CEEPUS

- ▶ student exchange and „these en cotutelle“ with 17 universities in Austria, Croatia, Hungary, Kosovo, Macedonia, Montenegro, Romania and Serbia.

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International Cooperation



Medical University of Graz

ASEA-Uninet

- ▶ Asian-European university network, founded in 1994
- ▶ exchange of students (one month clinical training) and scientists

Eurasia-Pacific-Uninet

- ▶ network of universities in Austria, China, Mongolia and the New Independent States

Partner-Universities in Australia, Brazil, Canada, China, Czech Republic, Egypt, Hungary, Japan, Macedonia, Mexico, New Zealand, Russia, UK, USA

- ▶ clinical elective student exchanges
- ▶ cooperation in research

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Graz students out in the world



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Outing with exchange students



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Reception by the mayor in town hall



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We look forward to a fruitful cooperation!