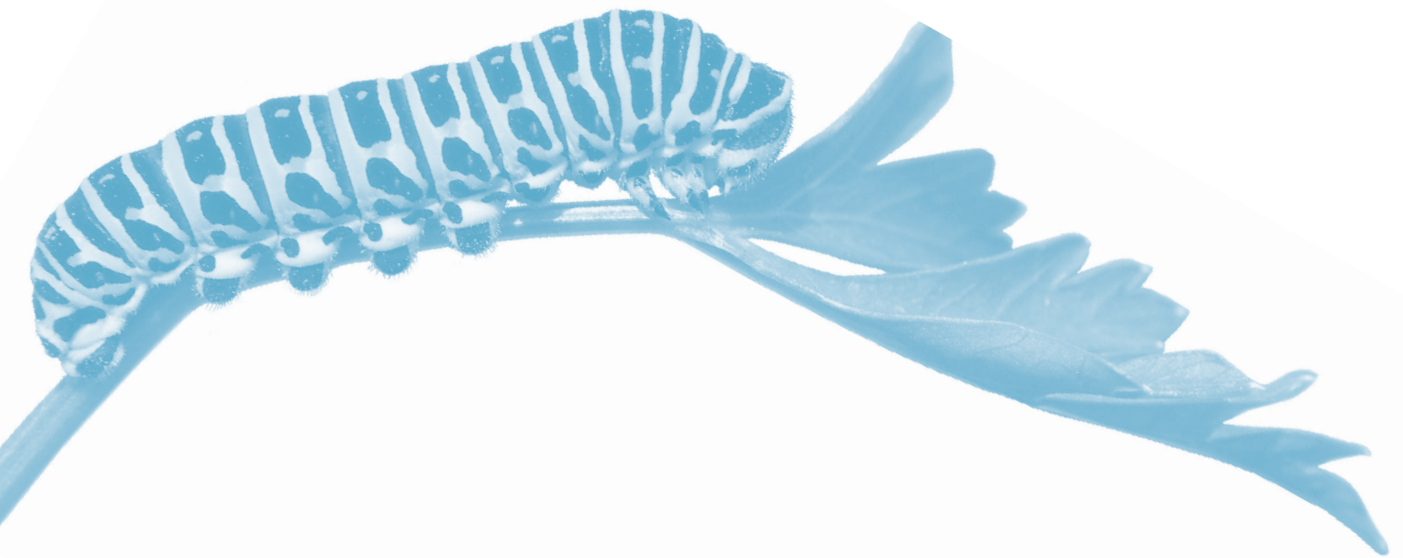




MODERN
ACADEMIC
MEDICINE
SINCE 1365

ACADEMY PROGRAM



“**MUVI Academy:**
Transforming medicine through education”

The MUVI Academy Program offers organizations with the opportunity to invest in the most critical component of patient care service delivery: staff education, training and development. Imagine your staff as student pupae, waiting in chrysalis—the MUVI Academy Program could be your organization’s transformative knowledge transfer agent, guiding your staff to meet their fullest potential so that they may emerge as butterflies.

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I MUVI Academy

Rector's Preface

The Medical University of Vienna has been a hub for state-of-the-art medical education and training, patient care, and research for over 650 years and has a diverse roster of highly qualified professors and physician scientists. The Medical University of Vienna and its international subsidiary, Medical University of Vienna International (MUVI), are pleased to introduce the MUVI Academy Program to the global healthcare community, to serve as an access point to Medical University of Vienna education and training resources.

The MUVI Academy Program fully represents our University's commitment to promoting access to modern medical education, training, and competency development opportunities. The MUVI Academy Program is a dynamic program that is open to any public health agency, academic institution, or provider in the world. MUVI Academy courses convey optimal, evidence-based medical education, patient care, and research principles through a personalized knowledge transfer experience. Aside from tailored coursework and practicums, the MUVI Academy program also highlights the potential availability of placements within the Medical University of Vienna Doctoral and Master's degree programs.

I invite you to explore all the MUVI Academy Program has to offer and to refer for further details to the MUVI website: www.muv-international.com.

I wish all prospective participants the best with their future learning endeavors!

Wolfgang Schütz

Rector of the Medical University of Vienna

Executives’ Welcome

Welcome to the MUVI Academy Program! We are excited to share this special academic product to the global healthcare market and to our current partners. The MUVI Academy Program offers highly customizable courses, trainings, and practical experience in a wide range of disciplines.

To emphasize the unconventional nature of the MUVI Academy approach, consider the following: it is entirely within the realm of possibility for a qualified physician and his or her clinical team to undergo advanced training for orthopedic surgical techniques and simultaneously attend a supplemental course highlighting quality and management concepts necessary for successful surgical clinic operations. Alternatively, a public health ministry may prioritize organ transplantation infrastructure building and as a result, a provider institution may wish to develop that capacity; the MUVI Academy Program is able to offer tailored courses or full-blown medical fellowships using experienced professors in active clinical practice in the transplant field. The aforementioned examples are only a fraction of what the MUVI Academy Program can provide; the MUVI Academy Program provides a unique opportunity to effectively transfer European standards and knowledge on any clinical or non-clinical healthcare topic to healthcare settings in a targeted, personalized way.

In closing, we invite you to explore the MUVI Academy Program booklet by accessing our website: www.muv-international.com. We assure you that pursuing any course of study or practicum is possible, and associated fees, course durations, and professor selection are based on the needs of the learning partner. We look forward to welcoming new academic partners and healthcare providers to Vienna!

Elisabeth Chalupa-Gartner
MUVI Managing Director

Christian J. Herold
MUVI Managing Director
Chairman of Radiology,
Medical University of Vienna



“Metamorphosing healthcare
through academia”

A Customized Approach to Education and Training

On a global scale, regional healthcare authorities and decision-makers are investing heavily in local healthcare infrastructures and desire highly trained professionals in education and clinical practice. In particular, countries with booming economies have observed shifting patterns of disease incidence; these changes have made it apparent that the demand for evidence-based healthcare services available in local communities significantly outstrips the supply of skilled care providers. A well-trained healthcare workforce is not only a critical component in the safe, effective provision of patient care, but enhances an institution's competitiveness in regional and international healthcare markets.

As an experienced player in the medical knowledge transfer field, MUVI is well-positioned to offer a broad spectrum of courses and training programs. The MUVI Academy Program is a perfect educational and training resource fit for any institution for the following reasons:

- MUVI boasts a network of nearly 1,000 esteemed, established professors able to offer highly sophisticated discourse and training for a wide array of academic and clinical topics.
- MUVI Academy considers the unique needs of each client and is able to offer both standard and customized courses of study in either German or English. Customized study and training program inquiries are always welcome and will be reviewed on a timely, case-by-case basis.
- Standard courses and training programs may be combined and are scheduled upon request to accommodate each institution.
- Courses may be staged at the state-of-the-art Medical University of Vienna facilities or directly onsite at a client's medical campus.
- Most importantly, MUVI Academy participants will have:
 - access to a world-class network of colleagues;
 - an increased or refreshed knowledge base through interactive lectures, problem-based learning sessions, and case discussions in a small student groups;
 - take-away tools to use immediately in their own work environments;
 - the opportunity to observe cutting edge patient care techniques firsthand;
 - hands-on training and/or supervised lab practice; and
 - access to certification and/or degrees programs.

Medical University of Vienna

The Medical University of Vienna (MUV) was established in 1365, and has a distinguished international reputation for excellent education, research, and patient care spanning 650 years. MUV is one of the oldest establishments for medical training and research in Europe, providing an academic setting for four Nobel Laureates and introducing groundbreaking scientific discoveries, including fundamentals in allergology and artificial organ transplantation. MUV's primary objective is to promote the advancement of medical science through the use, education, and investigation of evidence-based mechanisms for prevention, diagnosis, and therapy of diseases.

Of the approximately 5,000 total staff employed by MUV, 3,000 staffers are scientific employees. Nearly 1,000 of these scientific employees are qualified research professors. Interdisciplinary core research areas have been developed, with a particular focus on translational research connecting medical-theoretical developments and clinical practice. Core research areas include: allergology, immunology and infectiology; cancer research and oncology; neurosciences; vascular medicine; basic sciences, diagnostics, and imaging; organ failure and replacement; critical care; metabolism; and musculoskeletal diseases. MUV coordinates significant research activities through subsidiaries, partnerships with the local scientific network, and numerous international joint projects. MUV has had great success in the research arena in the last two decades, as evidenced by the consistent and dramatic increase in clinical research output every year since 1990.

MUV includes Europe's largest university hospital, the Vienna General Hospital (AKH), with approximately 2,200 beds and a main campus spanning 240,000 m². The AKH maintains an International Organisation for Standardisation (ISO) 9001:2008 certification, a globally-recognized indicator for hospital quality management. The hospital is a leading centre in organ transplantation, oncologic care, traumatology, neurosciences, cardiovascular medicine, and immunology. In particular, MUV has developed a reputation in the functional and molecular imaging disciplines – MUV is equipped with a 7-tesla magnetic resonance imaging device and has installed a second positron emission tomography (PET) scanning device. The hospital has approximately 100,000 inpatient admissions and 1.3 million outpatient encounters annually, and stages nearly 50,000 surgical procedures yearly.

MUV also represents the largest medical school in the German-speaking countries with approximately 7,500 enrolled medical students. Nearly 1,100 students are enrolled in allied health professional education and training programmes at MUV affiliated institutions. MUV also offers 19 areas of doctorate study specialisation in applied and basic sciences.

For further information about the Medical University of Vienna we invite you to refer to www.meduniwien.ac.at

Medical University of Vienna International

The Medical University of Vienna International (MUVI) was established in 2005 as a full subsidiary of the Medical University of Vienna (MUV) to operate as a global player in international healthcare management consultation. Since that time, MUVI has developed a reputation for expert healthcare consultation in emerging markets.

MUVI boasts an extensive domestic and international resource network, and has forged mutually beneficial hospital operations and scientific collaborations spanning across continents. Successful ongoing consultation projects include:

- **Prince Court Medical Centre**
300-bed private hospital located in Kuala Lumpur, Malaysia
Comprehensive hospital management in consortium with a technical partner since 2005
- **Al Ain Hospital**
412-bed public hospital located in Abu Dhabi, United Arab Emirates
Comprehensive hospital management in consortium with a technical partner since 2007
- **Tripoli Medical Centre**
1,300-bed public hospital located in Tripoli, Libya
Consultancy agreement since 2006
- **National Research Centre of Maternal and Child Health**
500-bed public hospital located in Astana, Kazakhstan
Clinical management since 2009
- **Vietnam National University of Ho Chi Minh City in Ho Chi Minh City, Vietnam**
Largest university in Vietnam with more than 50,000 student enrollments
Conception of a Medical School and University Hospital, consultation on design and implementation of an integrated medical curriculum since 2010

II MUVI Academy Standard Course and Training Program Offerings

- Information provided in this booklet serves as a reference only; institutional needs will determine what offerings will actually be provided.
- The duration of each course is customizable. Recommended number of course hours and optimal scheduling suggestions will be provided upon request.
- All educational and training programs can be held in either English or German, with written materials provided in the corresponding language.
- Hands-on training and laboratory practicums are available upon mutual agreement between the client and the MUVI Academy Program.
- Associated fees are based on the needs of the learning partner.



Clinical Topics

Area of Interest	Courses and Training Programs
<u>Ear, Nose, & Throat</u>	<ul style="list-style-type: none"> • Cochlear implantation • Implantable hearing device • Middle ear surgery
<u>Emergency Care</u>	<ul style="list-style-type: none"> • Resuscitation of pediatrics and adolescents • Resuscitation of the newborn
<u>Emergency Medicine</u>	<ul style="list-style-type: none"> • Advanced Life Support (ALS) course • Immediate Life Support (ILS) course • Basic Life Support / Automatic External Defibrillator (BLS/AED)
<u>Infection Control</u>	<ul style="list-style-type: none"> • Infection control and hospital epidemiology
<u>Nephrology and Dialysis</u>	<ul style="list-style-type: none"> • Hypertension • Current issues in systemic kidney disease • Current issues in kidney transplant • Living with advanced chronic kidney disease
<u>Neurology</u>	<ul style="list-style-type: none"> • Advanced clinical neuroimmunology
<u>Obstetrics & Gynecology</u>	<ul style="list-style-type: none"> • Urogynecology and Pelvic Floor Dysfunction (PFD) • Gynecologic oncology • Endoscopic therapies for gynecologic malignancies • Challenges in targeted therapies for breast cancer
<u>Orthopedics</u>	<ul style="list-style-type: none"> • Spine workshop • Musculoskeletal oncology • Surgical workshop for prosthetic reconstruction of major bone defects
<u>Pathology</u>	<ul style="list-style-type: none"> • Prenatal and postnatal genetic diagnostics • Genetic diagnostics of tumors of hematopoietic & lymphoid tissues • Workshop on methods in cell and tissue analysis in pathology • Course in diagnostic renal pathology (native kidney and allograft pathology)
<u>Physical Medicine & Rehabilitation</u>	<ul style="list-style-type: none"> • Clinical electrophysiology in peripheral nerve lesions • Biofeedback

Clinical Topics

Area of Interest	Courses and Training Programs
Radiation Oncology	<ul style="list-style-type: none"> • Tele- and brachytherapy in oncology • Image-guided radiation therapy • Image-guided adaptive brachytherapy for gynecology
Radiology	<ul style="list-style-type: none"> • MRI-MDCT-Abdomen workshop • Basic neuroimaging • Advanced neuroimaging • Cardiac CT • CT angiography • Fellowship—Cardiac Imaging
Specific Prophylaxis & Tropical Medicine	<ul style="list-style-type: none"> • Medical parasitology • Molecular parasitology
Trauma Emergency	<ul style="list-style-type: none"> • Trauma team training • Trauma emergencies—radiologic assessment as a tool for decision-making in acute trauma care
Trauma Surgery	<ul style="list-style-type: none"> • Basic principles of intramedullary osteosynthesis • Intramedullary osteosynthesis of the long/tubular bones of the upper extremity: principles and techniques • Methods of treatment of the upper end of the humerus and femur • Surgical treatment of articular fractures of the upper extremity • Surgical treatment of articular fractures of the lower extremity

Non Clinical Topics

Area of Interest	Courses and Training Programs
Healthcare Management	<ul style="list-style-type: none"> • Quality management in the hospital • How to establish a burn care center • How to establish a hyperbaric center • How to establish an anesthesia / intensive care program
Legal Medicine	<ul style="list-style-type: none"> • Workshop in forensic science
Professional Development	<ul style="list-style-type: none"> • Public health • Fundamentals of project management • International healthcare leadership • Communication skills: breaking bad news • Communication skills: clinical trials

Degree Programs

Doctoral Programs

taught in English

Doctor Scientiae Medicinae (Dr. Scient. Med.)—Applied Science Program

Thematic Subjects:

- Clinical Endocrinology, Metabolism and Nutrition
- Biomedical Engineering
- Clinical Neurosciences
- Program for Organ Failure, Replacement, and Transplantation
- Clinical Experimental Oncology
- Pre-clinical and Clinical Research for Drug Development
- Regeneration of Bones and Joints
- Cardiovascular and Pulmonary Disease
- Mental Health and Behavioural Medicine
- Public Health

Doctor of Philosophy (PhD)—Basic Sciences Program

Thematic Subjects:

- Cell Communication in Health and Disease
- Inflammation and Immunity
- Molecular Mechanisms of Cell Signalling
- Structure and Interaction of Biological Macromolecules
- RNA-Biology
- Molecular Drug Targets
- Molecular Signal Transduction
- Molecular Mechanisms of Cell Biology
- Medical Physics
- Neuroscience
- Malignant Diseases
- Endocrinology and Metabolism
- Vascular Biology
- Immunology
- Medical Informatics, Biostatistics & Complex Systems

Postgraduate Master-Programs

taught in English

- Clinical Research
- Toxicology
- TCM

Postgraduate Master-Programs

taught in German

- Clinical Research
- Gender Medicine
- Health Care Management
- Interdisziplinäre Schmerzmedizin
- Medizinische Hypnose
- Medizinische Physik
- Oral Implantologie
- Parodontologie
- Prothetik
- Public Health
- TCM
- Toxikologie
- Zahnmedizinische Hypnose

III Concluding information

Contact

The MUVI Academy Program team looks forward to working with your institution and finding the expert resources to make the education and training programs that you conceptualize a working reality. For further details, contact:

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to the state-of-the-future ”



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