



Semmelweis

UNIVERSITY





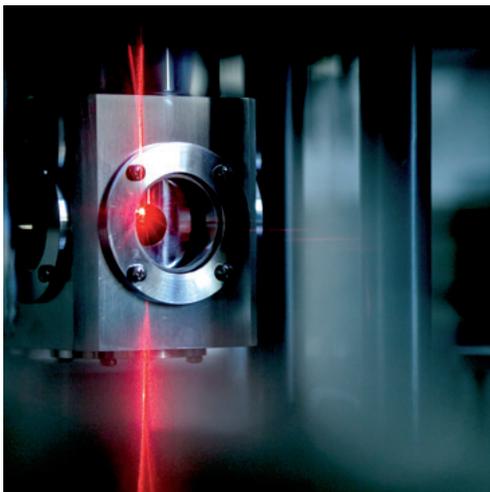
WHY SEMMELWEIS?

TRADITION SEMMELWEIS UNIVERSITY IS THE OLDEST MEDICAL UNIVERSITY IN HUNGARY. ITS HISTORY STARTED NEARLY 250 YEARS AGO IN 1796, WHEN QUEEN MARIA THERESA ADDED A MEDICAL FACULTY TO THE UNIVERSITY OF NAGYSZOMBAT. TODAY, SEMMELWEIS UNIVERSITY WITH ITS SIX FACULTIES AND HEALTH CARE SPECIALIZATION OCCUPIES A DISTINGUISHED PLACE IN THE HUNGARIAN HIGHER EDUCATION SYSTEM. BUILT ON THE TRINITY OF EDUCATION, RESEARCH AND PATIENT CARE, IT HAS BECOME AN INTERNATIONALLY RECOGNIZED CENTER OF KNOWLEDGE.



EXCELLENCE IN 2010 SEMMELWEIS UNIVERSITY RECEIVED THE TITLE “RESEARCH UNIVERSITY” AND HAS BEEN OPERATING ACCORDING TO ITS STANDARDS SINCE. THIS TITLE IS AWARDED TO HIGHER EDUCATION INSTITUTIONS WHICH PROVIDE A HIGH STANDARD OF EDUCATION AND ARE HIGHLY RECOGNIZED BY THE INTERNATIONAL SCIENTIFIC COMMUNITY. THE UNIVERSITY’S RANKING IS OUTSTANDING AMONG THE HUNGARIAN INSTITUTIONS AS WELL AS IN INTERNATIONAL RANKINGS BASED ON SPECIALIZATION AND OVERALL PERFORMANCE.

INTERNATIONAL RELATIONS ACCORDING TO A RANKING MADE BY TIMES HIGHER EDUCATION (*THE*), SEMMELWEIS UNIVERSITY IS AMONG THE WORLD’S MOST INTERNATIONAL UNIVERSITIES. CURRENTLY, THE UNIVERSITY’S FACULTIES MAINTAIN BILATERAL RELATIONSHIPS IN VARIOUS AREAS OF COOPERATION WITH OVER 200 HIGHER EDUCATION INSTITUTIONS FROM EUROPE, ASIA AND AMERICA.



INSPIRATION AND INNOVATION SEMMELWEIS UNIVERSITY EMBODIES TRADITION AND INNOVATION. THE UNIVERSITY’S OLDEST BUILDING STILL IN USE WAS BUILT IN THE 1870S, WHILE THE RECENTLY OPENED EIGHT-STORY, 20 000-SQUARE-METER CENTRAL PATIENT CARE UNIT MEETS ALL THE REQUIREMENTS OF THE 21ST CENTURY. IN ALL ITS ACTIVITIES SEMMELWEIS UNIVERSITY STRIVES TO KEEP UP WITH INTERNATIONAL TRENDS, TO MAKE THE TECHNOLOGY OF THE FUTURE ACCESSIBLE AND TO CREATE AN INSPIRING ENVIRONMENT.

EDUCATION, STUDENT LIFE

HIGHLY COMPETITIVE ADMISSION PROCESS MOST STUDENTS IN HUNGARY APPLYING FOR HIGHER EDUCATION INSTITUTIONS IN THE FIELD OF MEDICINE OR HEALTH SCIENCES CHOOSE SEMMELWEIS UNIVERSITY. THE MINIMUM SCORE FOR APPLICATIONS HAVE BEEN THE HIGHEST FOR YEARS COMPARED TO OTHER HUNGARIAN UNIVERSITIES OFFERING PROGRAMS IN HEALTH CARE.

MULTICULTURAL ENVIRONMENT MORE THAN 30 PERCENT OF THE NEARLY 11 000 SEMMELWEIS STUDENTS ARE FOREIGNERS, WHO COME FROM 70 COUNTRIES AND 5 CONTINENTS. THE RATIO OF INTERNATIONAL STUDENTS IS THE HIGHEST AMONG STUDENTS OF MEDICINE AND DENTISTRY, REACHING ALMOST 50 PERCENT. PROGRAMS ARE RUN IN HUNGARIAN, ENGLISH AND GERMAN AND THE MAJOR PART OF THE DIPLOMAS ISSUED BY SEMMELWEIS UNIVERSITY ARE OFFICIALLY RECOGNIZED IN THE EUROPEAN UNION AND OTHER COUNTRIES IN THE WORLD. THE UNIVERSITY HAS TWO OFF-CAMPUS PROGRAMS: A MEDICAL PROGRAM IN HAMBURG, GERMANY AND A PHYSIOTHERAPY PROGRAM IN LUGANO, SWITZERLAND.

TALENT SUPPORT FINDING AND FOSTERING YOUNG TALENTS ARE OF HIGH PRIORITY AT SEMMELWEIS UNIVERSITY. STUDENTS PARTICIPATING IN THE TEN-YEAR-OLD ÖDÖN KERPEL-FRONIUS TALENT SUPPORT PROGRAM ARE ASSISTED AND GUIDED BY EXCEPTIONAL UNIVERSITY TEACHERS. CURRENTLY NEARLY 1200 STUDENTS GET INVOLVED IN THE SCIENTIFIC WORK OF THE UNIVERSITY THROUGH THEIR RESEARCH ACTIVITIES IN THE STUDENTS' SCIENTIFIC ASSOCIATION.

STUDENT LIFE SEMMELWEIS UNIVERSITY HAS A VIBRANT AND COLORFUL STUDENT LIFE. STUDENTS CAN CHOOSE FROM VARIED EXTRACURRICULAR ACTIVITIES FROM THE FRESHERS' CAMP THROUGH DIVERSE SPORT EVENTS TO CULTURAL PROGRAMS. THANKS TO THE UNIVERSITY'S EXTENSIVE INTERNATIONAL RELATIONS, A WIDE RANGE OF STUDENT EXCHANGE PROGRAMS ARE AVAILABLE IN EUROPE AND THE REST OF THE WORLD.

SCHOOL OF PH.D. STUDIES PROFESSIONAL DEVELOPMENT IS FURTHER SUPPORTED BY VARIOUS POSTGRADUATE PROGRAMS. THE SEVEN DOCTORAL SCHOOLS OF THE SCHOOL OF PH.D. STUDIES OFFER POSTGRADUATE PROGRAMS WHICH ARE OF HIGH REPUTATION IN HUNGARY. HUNDREDS OF STUDENTS AND MORE THAN 170 SUPERVISORS ARE INVOLVED IN 44 PH.D. PROGRAMS.

FACULTY OF MEDICINE

- THE LARGEST FACULTY OF MEDICINE IN HUNGARY – 17 INSTITUTIONS, 22 CLINICS, 7 DEPARTMENTS, 17 DEPARTMENTAL GROUPS
- THE HIGHEST RATIO OF STUDENTS AND EDUCATORS WITH ACADEMIC RANK
- STABLE THEORETICAL KNOWLEDGE, PRACTICE ORIENTED EDUCATION
- AMONG THE WORLD'S BEST 151-200 MEDICAL UNIVERSITIES (QS RANKING, 2017)

FACULTY OF HEALTH AND PUBLIC SERVICES

- A SCIENCE ON THE VERGE OF NATURAL AND SOCIAL SCIENCES WITH A MULTIDISCIPLINARY APPROACH
- HUNGARIAN AND INTERNATIONAL COLLABORATIONS, POSTGRADUATE SPECIALIST TRAINING COURSES
- FROM BASIC TO DOCTORAL PROGRAMS
- INNOVATION AND QUALITY IN EDUCATION, RESEARCH AND SPECIALIZED EXPERTISE

FACULTY OF HEALTH SCIENCES

- THE FIRST INSTITUTION IN HUNGARY TO TRAIN HEALTH CARE WORKERS ON A HIGH ACADEMIC LEVEL
- THE LARGEST INSTITUTION OF HEALTH SCIENCES
- 4 BASIC PROGRAMS, 10 BSC PROGRAMS, 4 MSC PROGRAMS, 9 POSTGRADUATE SPECIALIST TRAINING COURSES
- EXTENSIVE INTERNATIONAL COOPERATION IN THE FIELDS OF HEALTH CARE EDUCATION AND RESEARCH

FACULTY OF DENTISTRY

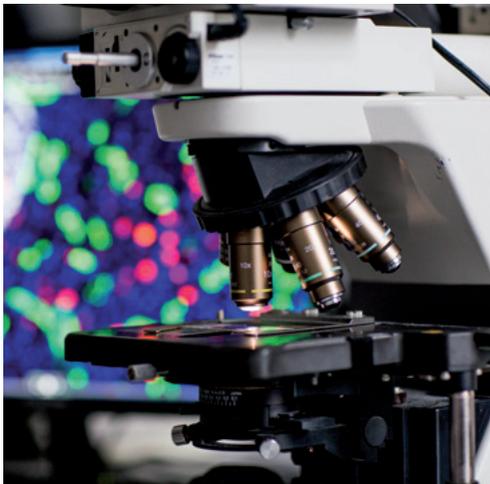
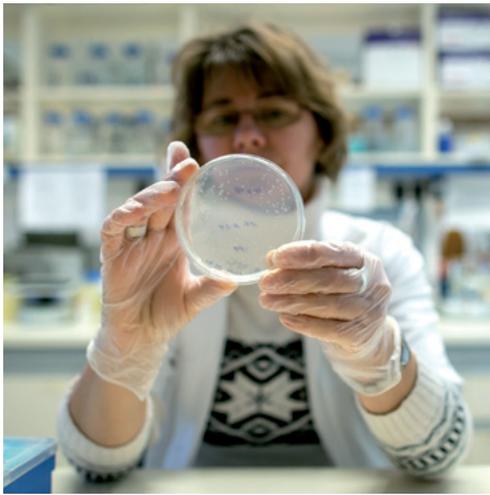
- THE LARGEST FACULTY OF DENTISTRY IN HUNGARY
- FIVE-YEAR PROGRAM WHICH ALLOWS FRESH GRADUATES TO PRACTISE PATIENT CARE
- UNIVERSITY DEGREE OF HIGH MARKET VALUE
- HIGH PERCENTAGE OF EDUCATORS WITH ACADEMIC RANK

FACULTY OF PHARMACY

- THE LARGEST AND OLDEST FACULTY OF PHARMACY IN HUNGARY
- STUDENTS REACH ONE OF THE HIGHEST AVERAGE SCORES IN ENTRANCE EXAMINATIONS
- ONE-OF-A-KIND GERMAN LANGUAGE PROGRAM OF PHARMACY IN ADDITION TO THE ENGLISH LANGUAGE PROGRAM
- AMONG THE WORLD'S 150 BEST FACULTIES OF PHARMACY (QS RANKING, 2017)

ANDRÁS PETŐ FACULTY

- THE CRADLE OF CONDUCTIVE PEDAGOGY AND THE WORLD'S ONLY ACCREDITED CONDUCTOR TRAINING INSTITUTION
- IMMEDIATE EMPLOYMENT OPPORTUNITY AFTER GRADUATION
- DEGREE OF HIGH PRESTIGE AND MARKET VALUE
- THEORETICAL AND PRACTICAL EDUCATION INTEGRATING MULTIPLE DISCIPLINES



RESEARCH

300 RESEARCH GROUPS ONGOING RESEARCH AT THE UNIVERSITY FOCUSES ON EARLY DIAGNOSTICS AND THERAPY, PREVENTION OF DISEASES, HEALTH PRESERVATION AND HEALTHY AND ACTIVE AGING. CURRENTLY THERE ARE 300 RESEARCH GROUPS AT THE UNIVERSITY AND 94 HUNGARIAN AND 31 INTERNATIONAL RESEARCH GRANTS HAVE BEEN WON. TRANSLATIONAL RESEARCH IS THE PREDOMINANT APPROACH AT SEMMELWEIS UNIVERSITY, WHICH, TOGETHER WITH FUNDAMENTAL RESEARCH PROMOTES SCIENTIFIC WORK DONE IN SERVICE OF THE PREVENTION OF DISEASES AND THE IMPROVEMENT OF MEDICAL TREATMENT.

OUTSTANDING RESEARCH RESULTS BASED ON THE RESULTS OF BIBLIOMETRIC INDICATORS, SEMMELWEIS UNIVERSITY'S PUBLICATION INDEX IS THE MOST PROMINENT AMONG HUNGARIAN HIGHER EDUCATION INSTITUTIONS. IN 2016 THE RESEARCHERS OF THE UNIVERSITY PUBLISHED 254 PAPERS IN THEIR DISCIPLINES IN JOURNALS CLASSIFIED AS THE BEST 10 PERCENT BASED ON THE LISTS OF THE SCIMAGO JOURNAL RANK. THERE ARE NINE RESEARCH GROUPS PARTICIPATING IN THE MOMENTUM PROGRAM, SEVEN RESEARCH GROUPS WORKING IN COLLABORATION WITH THE HUNGARIAN ACADEMY OF SCIENCES AND NINE OTHERS TAKING PART IN THE HUNGARIAN BRAIN RESEARCH PROGRAM. THERE ARE SEVERAL JOINT RESEARCH AND INNOVATION PROJECTS RUNNING WITH INDUSTRY PARTNERS AND THANKS TO THE INNOVATIVE ACTIVITIES OF THE UNIVERSITY, A STARTUP COMPANY HAS ALREADY BEEN LAUNCHED. THE UNIVERSITY IS ALSO THE MEMBER OF HORIZON 2020 CONSORTIA (EG. HCEMM-MOLMEDEX, EIT HEALTH) AND IS INVOLVED IN THE NATIONAL COMPETITIVENESS AND EXCELLENCE PROGRAMS (EG. NATIONAL HEART PROGRAM).

MOST IMPORTANT RESEARCH PROJECTS:

- TRANSLATIONAL RESEARCH OF CARDIOVASCULAR AND ONCOLOGICAL DISEASES, DISEASES OF THE CENTRAL NERVOUS SYSTEM AND IMMUNOLOGICAL DISORDERS
- MOLECULAR MARKERS AND MOLECULAR MEDICINE
- THE DEVELOPMENT OF IMAGING PROCEDURES AND DEVICES
- BIO-ENGINEERING; BIG DATA AND E-HEALTH
- PERSONALIZED MEDICINE

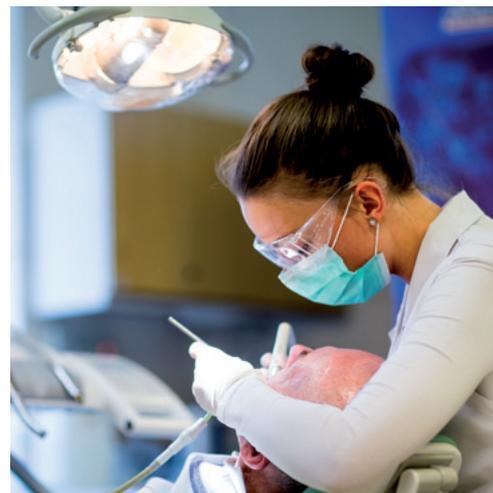
PATIENT CARE

TOP-LEVEL SERVICE PROVIDER SEMMELWEIS UNIVERSITY IS THE LARGEST HEALTH CARE PROVIDER OF HUNGARY. THE UNIVERSITY'S CLINICS SERVE AS VENUES FOR PRACTICAL EDUCATION BUT AT THE SAME TIME THEY OPERATE AS HEALTH CARE INSTITUTIONS OF THE HIGHEST LEVEL MEETING THE REQUIREMENTS OF THE 21ST CENTURY. THEY PROVIDE HEALTH CARE SERVICES NOT ONLY REGIONALLY BUT NATION-WIDE AS WELL, THEREFORE THEY PLAY A CRUCIAL ROLE IN TAKING CARE OF PATIENTS WITH THE MOST SEVERE CONDITIONS REQUIRING COMPLEX TREATMENT. MAKING THE APPROPRIATE MEDICAL DIAGNOSIS IS POSSIBLE WITH THE USE OF STATE-OF-THE-ART EQUIPMENT AND SEVERAL PROCEDURES (EG. IN CASE OF TRANSPLANTATION) ARE AVAILABLE ONLY AT SEMMELWEIS UNIVERSITY.

PIONEERING PROCEDURES THERE ARE 4 MAIN CLINICAL CENTERS (INNER CLINICAL CENTER, OUTER CLINICAL CENTER, KÚTVÖLGYI CLINICAL CENTER, VÁROSMÁJOR CLINICAL CENTER) AND NEARLY 40 SEPARATE UNITS INCORPORATING THE UNIVERSITY'S INSTITUTIONS AND CLINICS PROVIDING PATIENT CARE. IN HUNGARY MANY OF THE FIRST-TIME PROCEDURES WERE CARRIED OUT AT THE UNIVERSITY: THE FIRST SUCCESSFUL RENAL TRANSPLANTATION (1973), LIVER TRANSPLANTATION (1995), HEART TRANSPLANTATION (1992), THE IMPLANTATION OF THE FIRST ARTIFICIAL AND PERMANENT HEART IN HUNGARY (2012), THE FIRST CARDIAC CATHETERIZATION SURGERY (2015) AND THE FIRST KEYHOLE SURGERY IN CHILDREN BORN WITH ESOPHAEGAL OBSTRUCTION (2016).

- **NEARLY 40 UNITS INVOLVED IN PATIENT CARE**
- **200 000 OUTPATIENTS EACH MONTH**
- **10 500 INPATIENTS EACH MONTH**
- **2.4 MILLION MEDICAL CASES EVERY YEAR**
- **OVER 2 100 ACTIVE AND REHABILITATION BEDS**
- **17 000 DAY-PATIENTS EVERY YEAR**

(DATA FROM 2016)



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