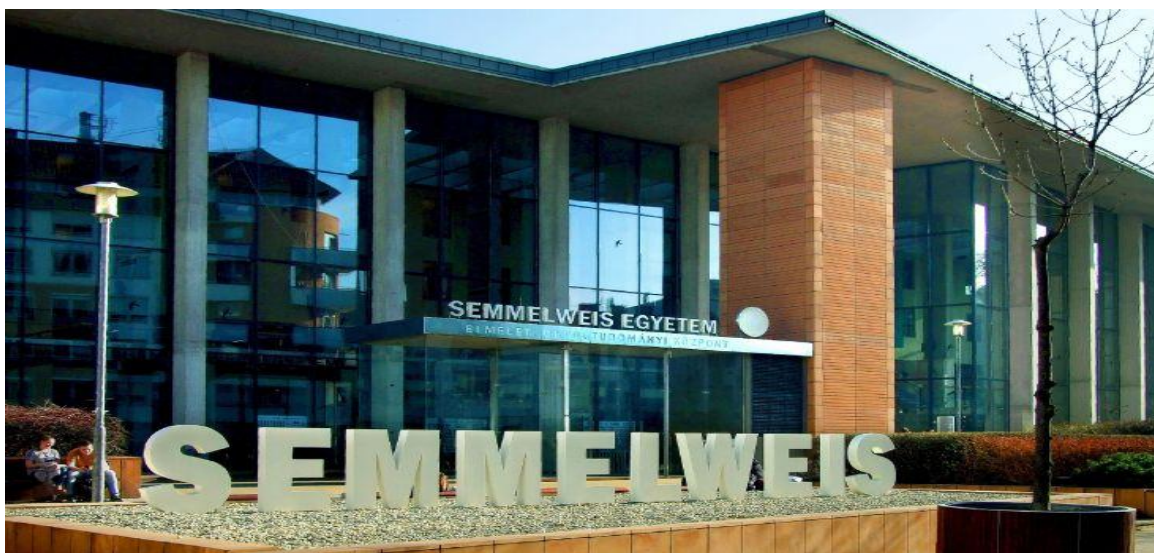


Semmelweis University
2024 Summer Medical Training Program (On-Site)
匈牙利塞梅维什大学
2024暑期“医学课程+医院实习”四周实地官方项目

University Overview 学校简介

Founded in 1769 as the Medical Faculty of what was then the University of Nagyszombat, Semmelweis University is the oldest medical school in Hungary which became an independent university after World War II. Over the last more than 250 years, Semmelweis University has developed into a leading medical higher education institution, healthcare provider, and center of research excellence in Hungary and Central Europe, combining innovation and time-tested tradition in three main areas: education, research and health care. Semmelweis University has 6 faculties and a Doctoral School, the University covers all aspects of medical and health sciences education. In the World University Rankings 2023, Semmelweis University is the highest ranked university in Hungary and in central and eastern Europe.



塞梅维什大学 (Semmelweis University) 成立于 1769 年，前身是当时的纳吉松巴特大学医学院，是匈牙利最古老的医学院，第二次世界大战后成为一所独立大学。在过去的 250 多年里，塞梅维什大学已发展成为匈牙利和中欧领先的医学高等教育机构、医疗保健提供者和卓越研究中心，在三个主要领域将创新与久经考验的传统相结合：教育、研究和医疗保健。塞梅维什大学设有 6 个院系和一个博士生学院，大学涵盖医学和健康科学教育的各个方面。在 2023 年世界大学排名中，塞梅维什大学是匈牙利和中东欧地区排名最高的大学。

Program Overview 项目简介

The on-site program offered by several medical faculties of Semmelweis University. The program is led by top-tier faculty, offers a high-quality, hands-on learning experience. The course covers the most cutting-edge research content and methodologies with practical experiences, including training in medical research methods and skills, development of research qualities and innovation, case studies and summation, and hospital internship. It aims to help participants develop their academic and scientific competence, and improve their comprehensive abilities in research exploration, academic innovation, and English language proficiency.

塞梅维什大学实地项目，由塞梅维什大学医学院顶级师资力量提供高质量、实践性的学习旅程，课程内容涵盖当下最前沿的研究内容和研究方法，包括医学科研方法与技能培养，科研素质培养与创新实际案例分析与总结，以及医学实习等众多方面。旨在帮助学生增强科研能力与科研素质，并且多方位提升学生科研探索，学术创新，英文应用等综合能力。

2023-24 Medical Training Program Overview 医学培训项目课程概览（部分）

Part 1. Training in Medical Research Methods and Skills

医学科研方法与技能培养

- ✓ 实验设计与数据采集
- ✓ 数据分析与统计方法
- ✓ 文献综述与文献检索技能
- ✓ 临床研究方法与伦理规范

Part 2. Development of Research Qualities and Innovation

科研素质培养与创新

- ✓ 科研团队合作与领导力培养
- ✓ 创新思维与项目策划
- ✓ 学术会议参与演讲技巧
- ✓ 学术写作与发表文章

Part 3. Case Studies

实际案例分析

- ✓ 医学科研项目申请案例分析
- ✓ 培训总结与个人发展规划

Part 4. Clinical Internship

医学实习

- ✓ 参与匈牙利 Semmelweis University 合作医院的临床实习
- ✓ 导师指导下参与病例研究、手术观察和诊断

Part 5. Summation

项目总结

- ✓ 学员交流与分享经验

Program Dates 项目日期

2 weeks of onsite academic courses and 2 weeks of clinical internship.

Tentative Duration: July 14th to August 10th, 2024

项目时长四周，两周学术课程和两周医院临床实习。

项目时间：2024年7月14日-8月10日（拟定）

※ 由塞梅维什大学最终确定课程安排与开设时间。

Program Highlights 项目亮点

- Explore cutting-edge research cases and innovative research methodologies with professionals and experts;
 - Gain in-depth practical opportunities after basic training to enhance practical scientific research skills, the level of medical education, and career development.
 - Heighten critical thinking and multitasking skills through interdisciplinary learning experiences;
 - Immerse in an English-speaking environment to improve writing and oral skills;
 - Enhance the ability to communicate, collaborate in groups, and present in public;
 - Awarded a certificate of completion and an assessment report by Semmelweis University
-
- 与专业人士和专家一同探索前沿研究案例和科研方法；
 - 获得深度实践机会，增强实际科研技能，提高医学教育水平，促进职业发展。
 - 通过跨学科学习体验，提高批判性思维和多任务处理技能；
 - 沉浸的英语交流环境，提高写作和口语技能；
 - 增强沟通，团队协作和公开演讲的能力；
 - 获得塞梅维什大学颁发的结业证书和评估报告。

Program Introduction for Reference 项目内容（参考）

Target audience 目标学员

Advanced undergraduate or above with medical background.

医学背景的高年级本科生及以上学历。

模块一、Training in Medical Research Methods and Skills 医学科研方法与技能培养

Intro of Academic Course 学术课程介绍

Training in medical research methods and skills is crafted for individuals aspiring to cultivate a profound mastery of medical research methodologies and practices. Rooted in the scientific inquiry paradigm, this course provides a scholarly platform for participants to engage with the complexities and nuances inherent to the realm of medical research.

Participants will immerse themselves in the art and science of experimental design, acquiring the acumen to formulate precise research hypotheses and construct robust experimental frameworks. They will also delve into the intricacies of data analysis, harnessing advanced statistical techniques to unveil meaningful insights from complex datasets. Moreover, this course empowers individuals with the capacity to undertake comprehensive literature reviews characterized by methodical search strategies, critical appraisal, and synthesis of existing scholarly works. At the end of the course, participants will gain a deep understanding of the ethical principles governing clinical research, ensuring adherence to the highest ethical standards in all research endeavors.

医学科研方法与技能培养旨在提高医学研究方法和实践能力。本课程植根于科学探究范式，为学生提供了学术平台，了解医学研究领域固有的复杂性和细微差别。

学生将沉浸在实验设计的艺术和科学中，从而提高研究假设和构建稳健的实验框架的敏锐性。学生还将深入研究数据分析的复杂性，利用先进的统计技术从复杂的数据集中揭示有意义的见解。此外，本课程使学生能够进行全面的文献综述，锻炼有条理的搜索策略、批判性评估和现有学术著作的整合分析能力。课程结束时，学生将深入了解临床研究的道德原则，确保在所有研究工作中遵守最高道德标准。

This course lecture covers the following topics:

- Experimental Design and Data Collection
- Data Analysis and Statistical Methods
- Literature Review and Literature Search Skills
- Clinical Research Methods and Ethical Standards

本课程讲涵盖以下主题：

- 实验设计与数据采集
- 数据分析与统计方法
- 文献综述与文献检索技能
- 临床研究方法与伦理规范

模块二、Development of Research Qualities and Innovation 科研素养培养与创新

Intro of Academic Course 学术课程介绍

This course is designed to nurture the essential qualities required for exemplary research and foster a culture of innovation within the academic community. Participants will emerge as well-rounded, innovative researchers, equipped with not only the technical skills but also the leadership qualities and innovative thinking required to excel in the academic and research domains.

Participants will explore the dynamics of research team collaboration and leadership within the context of academic and scientific research and develop leadership competencies and collaborative ethos essential for steering research projects. Participant will also cultivate a mindset of innovation by delving into the processes of creative problem-solving and out-of-the-box thinking to master the art of strategic project planning, from conceptualization and resource allocation to risk mitigation and project execution. Moreover, participants will acquire the art of scholarly communication through comprehensive training in academic writing, manuscript preparation, peer review, and the publication process.

本课程旨在培养模范研究所需的基本素质和科研创新能力。学生通过课程提高技术技能的同时，增强其在学术和研究领域所需的领导力和创新思维。

学生将探索学术和科学研究背景下科研团队协作和领导力的动态，并培养研究项目所必需的领导能力和协作精神。学生还将通过创造性解决问题和创造性思维的过程来培养创新思维，以掌握战略项目规划的艺术，从概念化和资源分配到风险缓解和项目执行。此外，学生将通过学术写作、稿件准备、同行评审和出版过程的全面培训掌握学术交流的艺术。

The course covers the following topics:

- Collaboration within Research Teams and Leadership Development
- Innovative Thinking and Project Planning
- Presentation Skills for Academic Conferences
- Academic Writing and Publication

本课程涵盖以下主题:

- 科研团队合作与领导力培养
- 创新思维与项目策划
- 学术会议参与演讲技巧
- 学术写作与发表文章

模块三、Case Studies 实际案例与分析

Intro of Academic Course 学术课程介绍

This course is structured to facilitate deep learning and practical application of analytical techniques in a medical research context. Participants will delve into real-world scenarios and employ critical analysis to extract valuable insights. In this course, participants will sharpen their analytical skills by dissecting and comprehending complex medical research project applications. They will also refine their abilities to evaluate, strategize, and make informed decisions in the realm of medical research.

本课程旨在促进医学研究背景下分析技术的深度学习和实际应用。学生将深入研究实际医学问题，并利用批判性分析来提取有价值的见解。在本课程中，学生将通过剖析和理解复杂的医学研究项目应用来提高分析技能。此外，参与正还将提高在医学研究领域评估、制定战略和做出明智决策的能力。

The course covers the following topics:

- Analysis of Medical Research Project Applications
- Training Summary and Individual Development Planning

本课程涵盖以下主题:

- 医学科研项目申请案例分析
- 培训总结与个人发展规划

模块四、Clinical Internship 医学实习

Intro of Academic Course 学术课程介绍

This course aims to expand and develop theoretical and practical skills of international students by enabling them to participate in Semmelweis University's practical education in different professional fields. It offers an immersive educational experience that provides students with a unique opportunity to actively engage in case research, surgical observation, and diagnosis under the expert guidance of experienced instructors.

Students will be divided into groups (a maximum of 5 persons each) and will spend 2 days at a certain department (clinic) of Semmelweis University on a rotation basis for two weeks. The daily schedule will include lectures, case discussions, bedside practices, visits to the core units of the certain department, and individual

consultation opportunities, where specific questions of our visiting students will be answered. During the whole program, students will be guided by a dedicated expert of the given Department.

临床实习旨在拓展国际学生的理论和实际技能，通过参与塞梅维什大学在不同专业领域的实际教育来实现目标。课程提供沉浸式教育体验，使学生有机会在经验丰富的导师指导下积极参与医学案例研究、外科观察和诊断。

学生将分成小组（每组最多5人），在塞梅维什大学的特定部门（诊所）进行为期两周的轮换。每天的日程安排将包括讲座、病例研讨、临床实践、参观特定部门核心单位，以及提供咨询机会，以解答学生的具体问题。在整个项目期间，学生将由该部门的专家指导。

Clinic Internship Overview (Tentative)

临床实习部门及安排（拟定）

Part 1. Department of Internal Medicine & Oncology (2-days)

内科与肿瘤学部门（两天）

Main Program Elements (draft)

主要涉及项目内容（参考）

- **Endocrinology and metabolic disorders:** thyroid disorders, nodules and cancer, neuroendocrine tumors, blood glucose disorders, diabetic disorders, obesity, lipid metabolism disorders, thyroid ultrasound, Isotope diagnostics, etc.
内分泌学和代谢障碍：甲状腺疾病、结节和癌症、神经内分泌肿瘤、血糖紊乱、糖尿病、肥胖、脂质代谢紊乱、甲状腺超声、同位素诊断等。
- **Nephrology:** Glomerular diseases, Tubulointerstitial and cystic kidney diseases, Electrolyte disorders, Renal transplantation, Differential diagnostics of renal diseases, etc.
肾病学：肾小球疾病、肾小管间质和囊性肾病、电解质紊乱、肾移植、肾脏疾病的鉴别诊断等。
- **Gastroenterology:** Disorders of the oesophagus and the stomach; Inflammatory bowel diseases, Diseases of the large bowel; Functional GI disorders; Gastrointestinal bleeding; Disorders of the pancreas, etc.
胃肠病学：食道和胃的疾病；炎症性肠病、大肠疾病；功能性胃肠疾病；胃肠道出血；胰腺疾病等。
- Observation of different patient care activities, including examination, diagnostics and Treatment.
观察不同患者护理活动，包括检查、诊断和治疗。

Part 2. Department of Surgery, Transplantation and Gastroenterology (2-days)

外科、移植和胃肠病学部门 (两天)

Main Program Elements (draft)

主要涉及项目内容 (参考)

- Surgery of the neck, Thyroid and parathyroid; Surgical treatment of the chest wall, breast, pleura; Oesophageal surgery; Gastric and duodenal surgery; Surgery of gall-bladder and extrahepatic biliary system; Surgery of the small intestines and colorectum; Appendicitis; Surgery of the liver, pancreas and spleen; Bowel obstructions; Hernias; Basic principles in vascular surgery; Shock; Cardiopulmonary resuscitation, Intensive therapy; Traumatology; Traumatological management of catastrophes, etc.

颈部手术，甲状腺和副甲状腺手术；胸壁、乳房、胸膜的外科治疗；食道手术；胃和十二指肠手术；胆囊和肝外胆道系统手术；小肠和结肠手术；阑尾炎；肝脏、胰腺和脾脏手术；肠梗阻；疝气；血管外科的基本原则；休克；心肺复苏，重症治疗；创伤学；创伤管理等。

- Observation of different patient care activities, including examination, diagnostics, medication, surgical and other interventions and treatments.

观察不同患者护理活动，包括检查、诊断、药物治疗、外科和其他干预措施以及治疗。

Part 3. Pediatric Center (2-days)

儿科中心 (两天)

Main Program Elements (draft)

主要涉及项目内容 (参考)

- Physical examination of children; Pediatric Cardiology; Dermatology/ Immunology; Diabetology; Endocrinology; Pediatric Emergencies; Gastroenterology; Genetics; Inborn errors of metabolism; Infectious Diseases; Hepatology; Hematology; Infancy; Neonatal Intensive Care; Neonatal surgery; Nephrology; Neurology; Oncology; Psychiatry; Pulmonology; Rheumatology; SKILL (Pediatric Basic Life Support); Surgery/ Traumatology, etc.

儿童体格检查；儿科心脏病学；皮肤科/免疫学；糖尿病学；内分泌学；儿科急症；胃肠病学；遗传学；先天性代谢错误；传染病学；肝病学；血液学；婴幼儿期；新生儿重症监护；新生儿外科；肾病学；神经学；肿瘤学；精神病学；肺病学；风湿病学；SKILL（儿科基本生命支持）；外科/创伤学等。

- Observation of different patient care activities, including examination, diagnostics, medication, surgical and other interventions and treatments.

观察不同患者护理活动，包括检查、诊断、药物治疗、外科和其他干预措施以及治疗。

Part 4. Heart and Vascular Center (2-days)

心脏与血管中心 (两天)

Main Program Elements (draft)

主要涉及项目内容 (参考)

- Cardiomyopathies; Acute coronary syndrome; Treatment of Chronic Heart Failure; Chest pain differential diagnosis, life threatening diseases; Resynchronisation therapy, mechanical circulatory support, heart transplantation; Surgical treatment of arterial diseases; Heart Surgery, Pacemaker, ICD indications, Hypertension, etc.
心肌病；急性冠状动脉综合症；慢性心力衰竭治疗；胸痛的鉴别诊断，危及生命的疾病；再同步疗法，机械循环支持，心脏移植；动脉疾病的外科治疗；心脏手术，起搏器，心脏除颤器适应症，高血压等。
- Observation of different patient care activities, including examination, diagnostics, medication, surgical and other interventions and treatments.
观察不同患者护理活动，包括检查、诊断、药物治疗、外科和其他干预措施以及治疗。

Part 5. Department of Ophthalmology (2-days)

眼科部门 (两天)

Main Program Elements (draft)

主要涉及项目内容 (参考)

- Ophthalmological anesthesiology; Diabetic retinopathy; Age-related macular degeneration; Retinopathy of prematurity; Secondary glaucoma; Corneal topography and endothelial microscopy; Vitreoretinal diseases; Surgical treatment of strabismus; Dry eye syndrome; Laser therapy in ophthalmology; Treatment of myopia; Electrophysiology of the eye, etc.
眼科麻醉学；糖尿病视网膜病变；老年性黄斑变性；早产儿视网膜病变；继发性青光眼；角膜地形图和内皮显微镜检查；玻璃体视网膜疾病；斜视的外科治疗；干眼症；眼科激光疗法；近视的治疗；眼电生理学等。
- Observation of different patient care activities, including examination, diagnostics, medication, surgical and other interventions and treatments.
观察不同患者护理活动，包括检查、诊断、药物治疗、外科和其他干预措施以及治疗。

模块五、Summation 项目总结

Intro of Academic Course 学术课程介绍

Participants will reflect what they learn from the program and share their academic growth with each other.

学生将反思从课程中学到的东西，并互相分享学术成长。

The course covers the following topics:

- Peer Exchange and Sharing of Experiences

本课程涵盖以下主题：

- 学员交流与分享经验

※ The courses are offered by the designated Semmelweis University and the syllabus will be based on the final version of the school.

以上课程由塞梅维什大学提供，课程大纲以学校最终版本为准。

Itinerary 项目安排 (Tentative)

| Week | Topic | Day | Content |
|--------|------------------|-------|--------------|
| Week 1 | 医学科研方法与技能培养与案例分析 | Day 1 | 实验设计与数据采集 |
| | | Day 2 | 数据分析与统计方法 |
| | | Day 3 | 文献综述与文献检索技能 |
| | | Day 4 | 临床研究方法与伦理规范 |
| | | Day 5 | 实际案例分析 1 |
| Week 2 | 科研素养培养与创新与案例分析 | Day 1 | 科研团队合作与领导力培养 |
| | | Day 2 | 创新思维与项目策划 |
| | | Day 3 | 学术会议参与演讲技巧 |
| | | Day 4 | 学术写作与发表文章 |
| | | Day 5 | 实际案例分析 2 |
| Week 3 | 医学实习 | Day 1 | 临床实习 1 |
| | | Day 2 | 临床实习 2 |
| | | Day 3 | 临床实习 3 |
| | | Day 4 | 临床实习 4 |
| | | Day 5 | 临床实习 5 |
| Week 4 | 医学实习与总结 | Day 1 | 临床实习 6 |
| | | Day 2 | 临床实习 7 |
| | | Day 3 | 临床实习 8 |
| | | Day 4 | 临床实习 9 |
| | | Day 5 | 项目总结与反思 |

Application Requirements 申请要求

Language Proficiency 语言要求

TOEFL 79+; IELTS 6.0+; CET-4 500+; CET-6 470+

语言成绩达到托福 79 分 / 雅思 6.0 / 大学英语四级 500 分 / 大学英语六级 470 分

Program Fee 项目费用

41,800元/人; 项目满 15 人开班, 上限 25 人。

此费用包含:

- 学术课程及材料费用
- 教学场地费用
- 证书费用
- 住宿费用

不包含: 签证、往返机票、接送机、当地交通、餐饮、保险及其他费用。

往期项目照片:



项目咨询:

Jessie : 13916875733 (微信同)