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Université Paris Cité Medical School | Summer School 2026
Artificial intelligence and digital innovation in medicine
July 6-17, 2026

Transform your medical practice with AI-driven innovations

Université Paris Cité (UPCité) Medical School presents an intensive 2-week long summer program entirely in English focused on cutting-edge AI and digital healthcare solutions. Discover how artificial intelligence (AI) and digital innovation are revolutionizing healthcare through a balanced curriculum of morning lectures and afternoon hands-on workshops.

Leverage the Université Paris Cité Medical School & AP-HP excellence

Access the combined expertise of UPCité Medical School, a top-tier research intensive French academic institution and the largest medical school in Europe, and Assistance-Publique Hôpitaux de Paris (AP-HP), Europe's largest network of teaching hospitals. This powerful partnership provides unparalleled resources: elite faculty mentorship, extensive clinical resources, and direct exposure to AI healthcare innovations being implemented in real clinical settings. Benefit from the rich Parisian ecosystem where cutting-edge medical research meets practical application.

Program overview

- **Module 1: Foundations of AI and digital health in medicine**
  Gain essential knowledge on machine learning, deep learning, large language models, virtual human twins, telemedicine, wearable devices, and virtual operating rooms. This foundation prepares participants to understand the technological underpinnings of modern medical innovation.

- **Module 2: Clinical applications across specialties**
  Explore practical implementations of AI across medical disciplines including emergency medicine, cardiology, critical care, pediatrics, radiology, oncology, pathology, nephrology, solid organ transplantation, surgery, etc. Examine how these technologies enhance diagnostic accuracy, treatment planning, and patient outcomes in real clinical settings.

- **Module 3: Ethics, privacy, and regulatory frameworks**
  Address the crucial ethical considerations, data protection requirements, and regulatory compliance standards for AI in healthcare. Learn to navigate the complex intersection of innovation and responsibility in both European and American contexts.

Key takeaways

Participants will develop practical AI skills applicable to clinical and research environments, learn from leading experts, and build valuable professional connections. A certificate of participation upon successful completion of the program will be provided to students at the end of the Summer School.

Who should attend?

This program is designed for all medical students, physicians, engineers and data scientists interested in the intersection of healthcare, artificial intelligence, and digital tools. Participants from diverse backgrounds are also welcome as interdisciplinary collaboration is essential to advancing AI applications in medicine.

Course dates: 6/7/2026-17/7/2026

University credits: 5 ECTS

Deadline for applications: April 19, 2026 | Apply here: https://summerschools.app.u-pariscite.fr/

Fee: 2500€

Enrollment will be limited to 35 participants

Contact: summerschool.medicine@u-paris.fr | Website: https://u-paris.fr/medecine/summer-schools/

In collaboration with: PR[AI]RIE Paris School | DigiHealth PARIS CITÉ | FRANCE 2030

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ARTIFICIAL INTELLIGENCE AND DIGITAL INNOVATION IN MEDICINE

Teaching Team

Dr Valentin GOUTAUDIER is a nephrologist actively involved in clinical and translational research, working at the Clinical Investigation Center of Georges Pompidou European Hospital (AP-HP) and the Paris Cardiovascular Research Center (PARCC). He obtained an MSc in Immunology in 2016, an MD in Nephrology in 2017, and a PhD in Data Science in 2024 (Université Paris Cité). His research focuses on therapeutics guided by precision medicine, leveraging AI-based automated multimodal phenotyping strategies and innovative biomarkers, evaluated within next-generation digital clinical trials. He served as Co-Chair of the Young Investigator Committee (2016–2020) and currently co-chairs the Artificial Intelligence and Digital Health Committee of the French-Speaking Society of Transplantation (SFT). He is also an active member of several European and international societies for organ transplantation (ESOT, TTS).

Dr Evgenia PREKA is a consultant pediatric nephrologist at Necker-Enfants Malades Hospital, Paris. Her doctorate explored the epidemiology of end-stage renal disease (dialysis and transplant) in European children, and within her post-doctoral research, she is currently integrating AI-driven biomarker discovery with the frontline care of children undergoing kidney transplantation and other rare renal diseases (PITOR, UPCité). Drawing on her consultant experience at Evelina London and fellowship at Great Ormond Street Hospital, she leads the development of European guidelines on immunosuppression in pediatric kidney transplantation and, as part of the European Society of Organ Transplantation (ESOT) AI Steering Committee, advances education about AI tools and their ethical and sustainable employment in clinical transplantation. She led the Young Pediatric Nephrologists Network (YPNN-ESPN, 2019–23) and, since 2024, serves on the International Pediatric Transplant Association (IPTA) Education Committee, delivering global training for transplant fellows.

Dr Joseph BENZAKOUN is an Associate Professor at Université Paris Cité and a neuroradiologist at GHU Paris Psychiatry and Neurosciences. His primary research focuses on the application of emerging AI technologies to address clinical challenges, particularly in the field of neuroimaging. His team is a pioneer in the innovative application of generative imaging techniques to MRI, especially in the context of acute stroke. His work includes the development of synthetic imaging techniques, such as generative FLAIR and T2*-weighted images, which have shown promise in improving diagnostic accuracy and time-efficiency in stroke management.

Dr Alice LE BERRE is a neuroradiologist at GHU Paris Psychiatrie & Neurosciences and a postdoctoral researcher at the University of California, San Francisco, specializing in psychiatric neuroimaging. Her PhD in neuroscience investigated brain neuroplasticity in severe depression following electroconvulsive therapy and intranasal esketamine, using advanced diffusion MRI techniques. Her postdoctoral research focuses on developing MRI-based biomarkers to guide innovative treatments for depression, such as deep brain stimulation. She also leads the Psychiatric Imaging Working Group of the French Society of Neuroradiology, which aims to translate advances in neuroscience into clinical psychiatric care. She hosted the French Radiological Society's podcast "Trajectoires aux Rayons X", dedicated to inspiring career paths in radiology.