

EE-740

ELLIS Summer School on AI for Health

Thanou Dorina

Cursus	Sem.	Type
Electrical Engineering		Opt.

Language of teaching	English
Credits	1
Session	
Exam	Oral
Workload	30h
Hours	30
Courses	30
Number of positions	70

Frequency

Only this year

Remark

7-11 July, 2025, Application & Fees ‒ EPFL-ELLIS ‐ EPFL:
<https://www.epfl.ch/research/domains/epfl-ellis/ellis-phd-postdoc-program/ellis-unit-lausanne-summer-school-2025/application/>

Summary

The EPFL AI Center and the ELLIS EPFL unit are organizing the AI for Health Summer School, taking place on the EPFL campus from 7th to 11th July, 2025. This intensive week will delve into how AI is transforming biomedicine, with a focus on the intersection of AI, life sciences, and medicine.

Content

The EPFL AI Center and the ELLIS EPFL unit are excited to announce the AI for Health Summer School, taking place on the EPFL campus from 7th to 11th July, 2025.

This intensive week will delve into how AI is transforming biomedicine, with a focus on the intersection of AI, life sciences, and medicine. Over five days, participants will gain an in-depth understanding of the latest advancements in AI, including large language models, generative AI, and graph machine learning, as well as their innovative applications in healthcare and biological discovery.

The program will feature internationally renowned AI experts working at the crossroads of AI and biomedicine, offering students the chance to learn from their pioneering research. Additionally, clinical experts and industry leaders will share their insights, providing valuable perspectives on the challenges and opportunities shaping the future of AI in the field.

Structure:

The students will enjoy a full week of lectures, where in the mornings, we will cover the fundamentals of advanced and timely areas of AI (i.e., LLMs, computer vision, GenAI, Graphs and Causality), and in the afternoons we show different applications in biomedicine.

Keywords

AI, health, biomedicine, summer school.

Learning Prerequisites**Required courses**

Introduction to machine learning.

Learning Outcomes

By the end of the course, the student must be able to:

- Develop a good understanding of the recent advancements on AI for health
- Discuss with well-known experts in the domain, and potentially foster collaborations.
- Discuss on timely research questions

Assessment methods

Oral.

Resources

Websites

- <https://www.epfl.ch/research/domains/epfl-ellis/ellis-phd-postdoc-program/ellis-unit-lausanne-summer-school-2025/>

Moodle Link

- <https://go.epfl.ch/EE-740>