



**UNIVERSITÉ  
DE GENÈVE**

**FACULTY OF MEDICINE**  
Institute of Global Health

# Challenges in AI and mobile health for leveraging access to care in mental health - Spring school of Global Health Geneva

will take place in person in Geneva the 11th & 12th April 2024

[Courses - INSTITUTE OF GLOBAL HEALTH - UNIGE](#)

**Registration deadline:** 29th March 2024

## MODALITY

The course will take place in person but an hybrid modality online is possible

## CREDITS

- 1 ECTS (registration opened to graduates with a master's degree)

## ORGANIZERS & COURSE INSTRUCTORS

- **Dre Margot Morgiève** (researcher in the social sciences of mental health and digital mental health - INSERM CERMES3 Paris FR)
- **Pr Swann Pichon** (professor of psychology and digital health, HEDS, HES-SO CH)
- **Dre Camille Piguet** (MD, PhD, Psychiatry and Neuroscience – UNIGE, Geneva University Hospitals (*HUG*))
- **Pre Katarzyna Wac** (PhD, professor of computer science and digital health - UNIGE, Geneva School of Economics and Management)

## COURSE DESCRIPTION

The World Health Organization estimates that nearly one billion individuals grapple with a Mental Health disorder. Despite the substantial prevalence of mental health conditions, only a limited number of people worldwide have access to quality mental health services. Among a plethora of digital tools developed, only a few have shown capacity in addressing mental health problems and in compensating some of the known global inequalities in access to mental health support. For instance, internet websites and mobile applications have the potential to provide wider access to mental health prevention and promotion, to online peer-support communities, to online therapies, texting interventions or to teleconsultation. AI, including deep learning and large language models (LLMs), also offer promising pathways for increasing access to care in mental health. 2023 has seen a rapid acceleration of LLMs in their aptitude to answer complex questions, including medical questions. These capabilities attract speculations on the potential of LLMs to provide safe and evidence-based answers to the needs of the public and patients. These technologies also question their influence and place in the therapeutic alliance with healthcare professionals, and the involvement of patients in



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their design. At their present stage of development, important limitations remain which include safety, efficiency, access and data protection and because some of these technologies have also demonstrated their propensity to instigate harm and display biases related to gender, skin color, sexuality or age.

During this 2-day workshop, students and experts will present their work and discuss the opportunities and challenges that digital innovations are facing to leverage access to care in mental health. A second objective of this workshop will be to conduct a collaborative ideathon project in groups to conceptualize one project idea for which they think that mobile health and/or AI may bring a significant value for ameliorating well-being and access to care in mental health. Participants will be encouraged to anticipate the implications of the project in terms of cultural context, access, adhesion, ethics, data analytics and financing. This exercise will benefit from interactions with the speakers and the course instructors present during the workshop

## TARGET PARTICIPANTS

We seek to cultivate a multidisciplinary approach, the course is therefore opened to a broad range of disciplines (i.e. health/medical, social humanities, IT/engineering, ...) with an interest in digital technologies and mental health. The course is opened to persons with a master degree.

## PREPARATORY STEPS BEFORE THE WORKSHOP

- We will provide a Teams access to exchange information
- We will provide general readings on the topic before the workshop

## DATES AND VENUE

- 11th & 12th April 2024 (Geneva Faculty of Medicine, Rue Michel Servet 1. CH-1211 Geneva)

## Experts Invited (to be confirmed)

- Dr Stéphane Mouchabak (MD, PhD, Psychiatrist - Hôpital Saint Antoine à Paris)
- Dr François-Régis Chaumartin (fondateur et CEO de la startup Celeste, VP Semantic Data Science - Dassault Systèmes)
- Pr Neo Christopher Chung (PhD informatics - University of Warsaw)
- Dr Sofian Berrouiguet (Md, Psychiatrist & PhD in informatics - U. Hospital Brest)
- Pr Laura Ospina (MD, PhD, Psychiatrist child adolescent & family - Universidad Javeriana)
- Rania Niri, Guillaume Chanel (PhD informatics - University of Geneva)



SCHEDULE

Thursday 11th April 2024 @ UNIGE FacMed												
GVA time	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM
Group work / discussion with organizers								Mural	Sess1	Sess2	Sess3	Sess4
Lunch / Pauses / Social gathering			Ca			Lunch	Ca			Ca		Drink @ Jules Verne
Talk / Q&A / discussion with speakers		SP-wel.	Speaker1 (FC)		Speaker2 (Neo)	Speaker3 (SM)						

Friday 12th April 2024 @ UNIGE FacMed												
GVA time	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM
Group work / discussion with organizers				Project preparation								
Lunch / Pauses				Ca		Lunch + Ca		Ca				
Conference, Q&A		Speaker4 (SB)	Speaker5 (Rania)				Speaker6 (Laura)					P-MM-gt
Group presentations									gp1	gp2	gp3	gp4

FEES

- CHF 400 for SSPH+ members, UNIGE or HES-SO members.
- CHF 500 for externals
- Meals, coffees and a social event are offered to participants

NUMBER OF PARTICIPANTS

- 10 to 20 participants

REGISTRATION DEADLINE

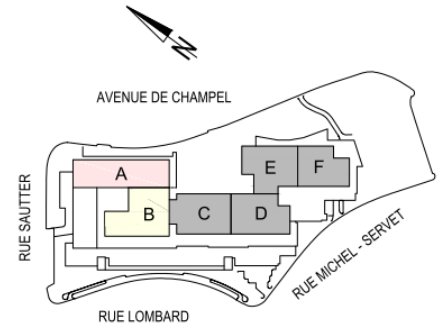
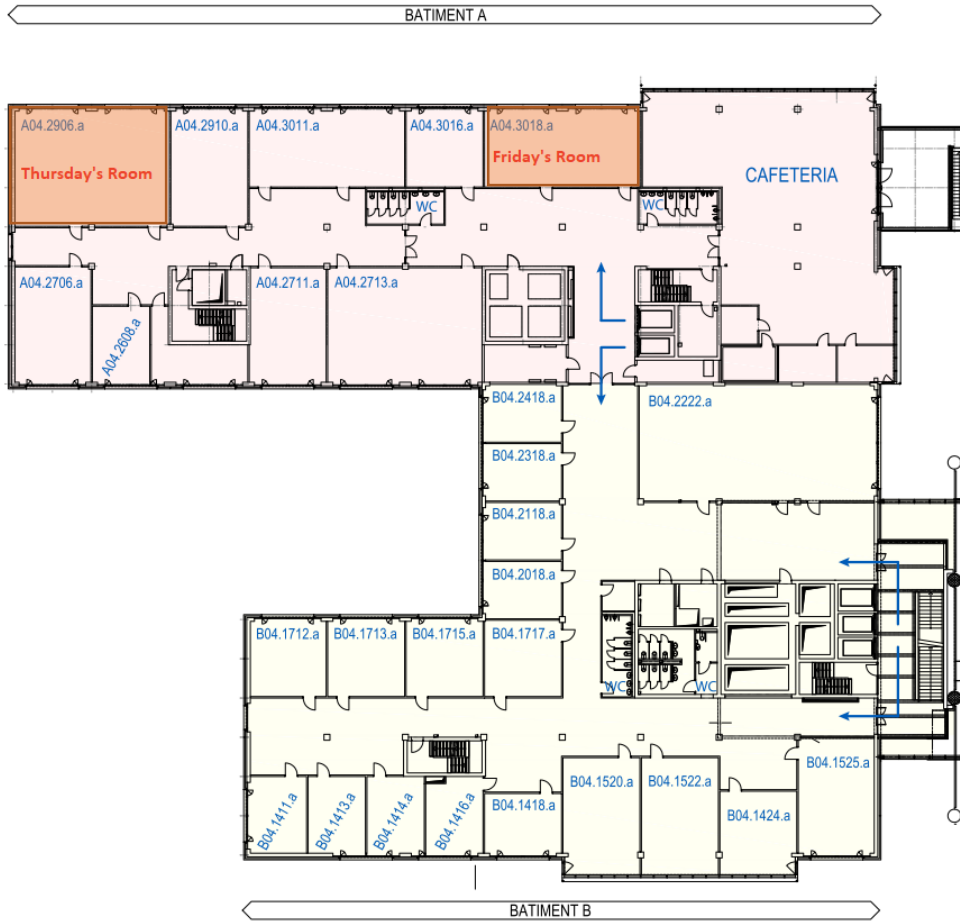
- **29/03/2024**



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## Detailed plan



# CMU 4e

University of Geneva, Faculty of Medicine,  
7 Avenue de Champel, 1206 Genève