

ANNOUNCEMENT AND CALL FOR APPLICATION

Virtual Course

“AI-Powered Research: From Idea Generation to Literature Review”

2024, June 1st - July 6th, Online

Virtual Course

The Heidelberg Institute of Global Health (HIGH), Germany, proudly announces the launch of the virtual course **“AI-Powered Research: From Idea Generation to Literature Review”**, set to occur online from **June 1st to July 6th, 2024**.

This cutting-edge course is meticulously crafted to empower global health researchers by integrating Artificial Intelligence (AI)-based tools into their research methodology. Targeting former Master's and Ph.D. students, as well as professionals, researchers, and scientists eager to amplify their impact in global health, especially in lower- and middle-income countries (LMICs), the course stands as a bridge between traditional research approaches and the transformative potential of AI technologies.

The course objectives are multifaceted, aiming to (i) imbue participants with the ability to utilize AI tools such as ChatGPT, Microsoft Copilot, Mendeley, Dektopus, Scite.ai, and Scholarcy for enhancing research ideation, question formulation, and literature review processes; (ii) develop skills for creating effective research strategies and proposals; and (iii) encourage the ethical application of AI in research.

Participants will engage in a **total of 9 hours** of online discussion across six weeks, with sessions scheduled on Saturdays at times accommodating the diverse geographic locations of the participants. In addition to the weekly discussions, participants should anticipate spending approximately **4 hours on homework/group** work each week (**~24 hours in total**), plus an hour of pre-course reading. The course will be conducted in English.

To successfully complete the course, participants are required to attend all sessions (100% attendance), actively engage in group assignments, deliver a **final project presentation**, and submit all individual assignments on time. The course emphasizes collaborative learning, peer-assisted brainstorming, and self-evaluation, fostering an environment of honesty and kindness in all interactions.

Participants can anticipate a transformative learning experience, emphasizing collaborative learning, peer feedback, and the practical application of AI in global health research. This virtual course not only aims to enhance research skills but also fosters a global community of researchers committed to addressing health challenges through innovative AI applications.

Participant's profile

You are eligible to apply if you:

- Have a bachelor's degree in public health, global health or medicine OR are pursuing a master's or doctoral degree in public health or another related discipline. We will give preference to current PhD students.
- Originate in a low- or middle-income country, work in public health in a low- or middle-income country, or work with immigrants from LMIC.

Participation fee

Free.

Other expenses

All expenses incurred by the participant in the Summer School shall be covered by the participants. These expenses may include (but are not limited to) the following:

- Internet connectivity fees
- Article printing costs
- Computer usage/ electricity

Application procedure

Your application shall consist of 2 parts (to be done in the application form):

- A short CV, max. 1 page, highlighting your background and experience in Global Health.
- A letter of motivation (max. 100 words) detailing your interest in this course.

Please fill out the application on Google Forms before **May 15th, 2024**. Note that you cannot save your work. The link can be found here: <https://forms.gle/aSVhoB2v2hhEXMAs8>

All applicants will be informed about the results of the selection process **by 20th of May**; the aim is 18 participants total.

For further questions, please contact the Summer School facilitator:

Felipe Mejia-Medina, (felipe.mejia@uni-heidelberg.de alephoric@gmail.com)

Felipe Mejia-Medina

Global health and social development research professional, specializing in Digital Health and Ethics of Artificial Intelligence (AI) in Health. With 11 years of experience at the Pan American Health Organization in Washington DC, has supported the digital transformation process of the health sector. Holds a Master's degree in International Health from the University of Heidelberg, Germany, and is completing a Master's in Bioethics focused on AI in health. Has published in international journals and has been an educator delivering lectures on global health and bioethics at recognized institutions.

Also serves as a peer reviewer for the Journal of Medical Internet Research and has developed the educational project "Humanity in Data: Discovering the World in Figures" available on his website.