International Dialogue on Bioethics, Health, and Research in Times of Disruptive Technologies

Krakow, Poland

21 March, 2024

Science is a collaborative global endeavor. Technological advances open new doors for scientific progress. Contrary to this optimist assertion, there is widespread concern about public trust in science, especially with increasing research misconduct evident in journal retractions and media reports.

The widespread adoption of computing and artificial intelligence in healthcare and biomedical research poses fresh challenges to traditional bioethical norms. The COVID-19 pandemic has also underscored the need for innovative clinical trial methodologies that balance efficiency and ethical considerations for participant safety.

Our symposium is poised to present a platform to facilitate discussions among leading experts from Europe, the Americas, and the World Health Organization. The focus will be on examining the potential advantages and ethical implications of employing AI in clinical settings and scientific studies and the role of transformer AI models in academia. This meeting will also analyze the research ethics landscape and the situation of research integrity initiatives in Europe, with a particular focus on Eastern European countries, and reflect on innovative clinical trials models carried out in response to public health emergencies.

Through these international discussions, our aim is to promote a collaborative approach to address ethical challenges in medical, public health and scientific research in an era of groundbreaking technologies.

VENUE: Jagiellonian University Collegium Maius (Michał Bobrzyński Room) Jagiellońska 15 street

1) **AI in Medicine and Scientific Research**

9:00-9:10 – Welcome and Introductions – **Piotr Pierzchalski** *(Dean – Faculty of Health Sciences, Jagiellonian University Medical College)*/**Marcin Waligóra/Mateusz Wasylewski** *(Research Ethics in Medicine Study Group, REMEDY, Department of Philosophy and Bioethics JUMC)*

9:10-9:30 – AI WHO Guiding Principles – **Andreas Reis** *(World Health Organization Science Division, Research for Health Department)*

9:30-9:50 – Ethics, Medicine, and AI – **Ken Goodman** (*Data Ethics and Society, Institute for Data Science and Computing, University of Miami Miller School of Medicine*)

9:50-10:10 – Research Integrity and Generative AI – **Sergio Litewka** (*Institute for Bioethics and Health Policy, University of Miami Miller School of Medicine*)

10:10-10:30 – Coffee Break

10:30-10:50 – Ethics of internet health research – **Jan Piasecki** (*Department of Philosophy and Bioethics JUMC*)

10:50-11:50 – General discussion

2) **Selected Challenges of Research Ethics**

11:50-12:10 – Ethics of adaptive design in clinical trials – **Marcin Waligóra & Katarzyna Klaś** (*Research Ethics in Medicine Study Group, REMEDY, Department of Philosophy and Bioethics JUMC*)

12:10-12:30 – Transparency in research – **Małgorzata Bała** (*Systematic Reviews Unit, Cochrane Poland, Medical Faculty JUMC*)

12:30-13:15 – General discussion

13:15-14:45 – **Lunch** (Chimera Salad Bar, Świętej Anny 3 street)

3) **Clinical trials, research integrity and publication ethics**

14:45-15:05 – The interplay between research ethics and integrity in the context of a public health emergency – **Eugenijus Gefenas** (*Centre for Health Ethics, Law and History, Vilnius University*)

15:05-15:25 – Comparative studies on research ethics in Europe – **Ulf Schmidt** (*Centre for the Study of Health, Ethics, and Society, University of Hamburg*)

15:25-15:45 – Publication ethics, plagiarism, retractions, pressure, perceived problems – **Mateusz Wasylewski** (*Research Ethics in Medicine Study Group, REMEDY, Department of Philosophy and Bioethics JUMC*)

15:45-16:45 – General discussion

16:45-17:00 – Next steps

17:00 – Closing remarks and conclusion of the workshop

Institute of Nursing and Midwifery | Department of Philosophy and Bioethics

Poland, 31-126 Kraków, ul. Michałowskiego 12, tel./fax +48 12 634 33 97 ext. 16, mobile: +48 693 220 102, e-mail: zfib@uj.edu.pl

www.bioetyka.wnz.cm.uj.edu.pl