

## DATAETHICS SUMMER SCHOOL 2021

*Big Data, Big Implications:*

*The Ethics of Artificial Intelligence in Biomedicine*

# PROGRAMME

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 10:00	9:30 - Registration	S1. Clinical Requirements of AI <i>Maciej Bobowicz (Medical University of Gdansk, Poland)</i> Discussion (30 minutes)	S5. Machine Learning Introduction <i>Georgios Exarchakis (Université de Strasbourg)</i> Discussion (30 minutes)	S9. An Introduction to Data Ethics and Data Protection Legislation in Health Research & Biobanking <i>Blanaid Mee (Trinity College Dublin)</i> Discussion (30 minutes)	Preparation for student presentations
10:00 - 11:00	10:00 - Registration continues 10:20 - Welcome	S2. Ethics of Learning Healthcare Systems (focused on AI) <i>SJM Laurijssen (Leiden University Medical Center)</i> Discussion (30 minutes)	S6. Explainable and interpretable AI for transparent clinical decision making <i>Petia Radeva (University of Barcelona)</i> Discussion (30 minutes)	S10. Clinical validation of medical prescriptions: sharing the work with machines <i>Julien Godet (Université de Strasbourg)</i> Discussion (30 minutes)	Closing Key Note Responsible innovation: ethical and moral boundaries <i>Martine de Vries (Leiden University Medical Center)</i> Discussion (15 minutes)
11:00 - 11:20	break	break	break	break	break
11:20 - 12:20	Opening Key Note Ethics on AI and Big Data <i>Melanie Gotsauf (BBMRI-ERIC, Univ. Vienna)</i> Discussion (15 minutes)	S3. Informed Consent & Data Access <i>Ms. Lorina Buhr and Prof. Silke Schicktanz (UMC Göttingen)</i> Discussion (30 minutes)	S7. Fairness in AI <i>Catherine Gallin (University of Barcelona)</i> Discussion (30 minutes)	S11. Legal aspects of AI in medicine <i>Orsolya Péter (Semmelweis University)</i> Discussion (30 minutes)	Preparation for student presentations
12:20 - 13:20	VAKE Introduction for students <i>Jean-Luc Patry and Sieglinde Weyringer (AVaKE, University of Salzburg)</i>	S4. Responsible data ecosystems in biomedicine <i>Davide Zaccagnini (Lynkeus)</i> Discussion (30 minutes)	S8. How to validate AI and assess risk <i>Karim Lekadir (University of Barcelona)</i> Discussion (30 minutes)	Student Working Group	Student presentations (15 min presentation per group) Moderators: Sieglinde Weyringer (AVaKE, University of Salzburg) + EuroLife tbc
13:20 - 14:00	lunch	lunch	lunch	lunch + video testimonial filming	lunch + video testimonial filming
14:00 - 15:30	Case Story presentation Mobile application for skin lesion assessment <i>Jean-Luc Patry and Sieglinde Weyringer (AVaKE, University of Salzburg)</i>	Introduction to group exercise Student Working Group Moderators: Jean-Luc Patry and Sieglinde Weyringer (AVaKE, University of Salzburg)	World Café exercise Moderators: Sieglinde Weyringer (AVaKE, University of Salzburg) + EuroLife tbc	Parallel sessions: Student Working Group (students) + Open discussion on case story (speakers) Moderators: Jean-Luc Patry and Sieglinde Weyringer (AVaKE, University of Salzburg)	Student presentations (15 min presentation per group) Moderators: Sieglinde Weyringer (AVaKE, University of Salzburg) + EuroLife tbc
15:30 - 15:50	break	break	break	break	break
15:50 - 16:30	VAKE introduction for trainers <i>Jean-Luc Patry and Sieglinde Weyringer (AVaKE, University of Salzburg)</i>	Student Working Group continues	World Café exercise Moderators: Sieglinde Weyringer (AVaKE, University of Salzburg) + EuroLife tbc	Parallel sessions: Student Working Group (students) + Open discussion on case story (speakers) Moderators: Jean-Luc Patry and Sieglinde Weyringer (AVaKE, University of Salzburg)	Concluding remarks. Survey-evaluation. Good-bye!!
17:00 - 18:30		Social activity Lead by Katharina Heil (ELNIR, Erasmus Mundus Association)			