



DATAETHICS Summer School 2021

Big Data, Big Implications: The Ethics of Artificial Intelligence in Biomedicine

ONLINE, hosted by the University of Barcelona

Hosted by:



UNIVERSITAT DE BARCELONA

	Monday, 12th July	Tuesday, 13th July	Wednesday, 14th July	Thursday, 15th July	Friday, 16th July
9:00 - 10:00	9:30 - Registration	S1. Clinical requirements and their impact on the clinical utility of AI solutions <i>Maciej Bobowicz (Medical University of Gdansk)</i> Discussion (30 minutes)	S5. Introduction to machine learning <i>Georgios Exarchakis (Université de Strasbourg)</i> Discussion (30 minutes)	S9. Biobanks, pathology & artificial intelligence – where they merge... <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 <i>Jordi Garcia (Vice-rector for Research, UB)</i> <i>Argyris Papantonis (Chair of the EEA and UMG DATAETHICS Coordination team)</i> <i>Xavier Gasull (Euralife Education Alliance, UB)</i> <i>Karim Lekadir (Director of the Summer School)</i>	S2. Ethics of learning healthcare systems <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 Keynote Responsible innovation: the guidance ethics approach <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 Keynote Bias in, bias out? Ethical and societal implications of AI and big data in biomedicine <i>Melanie Goisauf (BBMRI-ERIC; Univ. Vienna)</i> Discussion (15 minutes)	S3. Medical AI and patient's data: the question of consent <i>Lorina Buhr and Silke Schicktanz (UMC Göttingen)</i> Discussion (30 minutes)	S7. Healthcare inequities & bias in AI: an interdisciplinary perspective <i>Catherine Gallin (University of Barcelona)</i> Discussion (30 minutes)	S11. Asimov's Laws of Robotics in the operating theatre? New legal and ethical issues raised by medical AI <i>Orsolya Márta Péter (Semmelweis University)</i> Discussion (30 minutes)	Preparation for student presentations
12:20 - 13:20	VaKE introduction for students and trainers <i>Jean-Luc Patry and Sieglinde Weyringer (AVaKE)</i>	S4. Responsible data ecosystems in biomedicine <i>Davide Zaccagnini (Lynkeus)</i> Discussion (30 minutes)	S8. Dear Doctor AI: Can I trust you? Insights on validating future AI solutions in healthcare <i>Karim Lekadir (University of Barcelona)</i> Discussion (30 minutes)	Open discussion on case story (students) + Student Working Group Moderators: Jean-Luc Patry and Sieglinde Weyringer (AVaKE)	Student presentations (15 min per group) Moderator: Sieglinde Weyringer (AVaKE) Experts panel: Orsolya Márta Péter (Semmelweis University), Karim Lekadir (UB), Maciej Bobowicz (Medical University of Gdansk)
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)</i>	Introduction to group exercise Student Working Group Moderators: Jean-Luc Patry and Sieglinde Weyringer (AVaKE)	World Café exercise Moderator: Sieglinde Weyringer (AVaKE)	Parallel sessions: Student Working Group (students) + Open discussion on case story (speakers) Moderators: Jean-Luc Patry and Sieglinde Weyringer (AVaKE)	Student presentations continue (15 min per group)
15:30 - 15:50	break	break	break	break	break
15:50 - 16:30	VaKe introduction for trainers continues <i>Jean-Luc Patry and Sieglinde Weyringer (AVaKE)</i>	Student Working Group continues (16:00h Instruction of the table hosts -separate room)	World Café exercise Moderator: Sieglinde Weyringer (AVaKE)	Parallel sessions: Student Working Group (students) + Open discussion on case story (speakers) Moderators: Jean-Luc Patry and Sieglinde Weyringer (AVaKE)	Concluding remarks. Survey-evaluation. Goodbye!!
17:00 - 18:30		Social activity: Sweet visit to Barcelona - get to know some sweet culinary secrets from your Summer School host city <i>Led by Katharina Heil (ELIXIR)</i>			



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