

BioMed-AI 2025 Summer School Program

Theme: Transforming Healthcare Through Artificial Intelligence: Opportunities, Challenges, and Ethical Frontiers

Duration: 2.5 Days - May 26-28 2025

Place: IARC/WHO, Lyon

Audience: Researchers, Healthcare Professionals, Legal Experts, Policy Makers

Day 1 (26 May)

Understanding AI's Role in Healthcare and Biomedical Research

Chair: Timos Sellis, Scientific Director, Archimedes, Athena Research Center, Greece

9:00 – 9:45

Registration and Welcome

Hosted by the Director of the School & the Esteemed Members of the Steering Committee

9:45 – 10:15

Keynote 1:

Professor Nikos Kyrpides, Lawrence Berkeley National Laboratory

Tentative Title: Unlocking the Microbiome with AI: Revolutionizing Health Through Data and Technology

10:15 – 10:30

Q&A

10:30 – 11:00

Coffee Break

11:00 – 11:30

Keynote 2:

Professor Manjit Dosanjh, Visiting Professor, University of Oxford, Project Leader for STELLA, ICEC-CERN

Title: STELLA (Smart Technologies to Extend Lives with Linear Accelerators) Project and role of AI

11:30 – 11:45

Q&A

11:45 – 12:45

Guided Tour to the IARC/WHO Biobank

12:45 – 14:00

Lunch

14:00 – 16:30

Workshop: Powering Healthcare with AI: Developing Cutting-Edge Data-driven Models for Better Care

Facilitators: Dr. Maria Vakalopoulou, CentraleSupélec University Paris-Saclay, Lead Researcher, Archimedes, Athena Research Center, Greece

Dr. Stergios Christodoulidis, CentraleSupélec University Paris-Saclay

16:30 – 17:00

Coffee Break

17:00 – 17:40

Steering Committee Case Study Panel: AI in Digital Health: Tackling the Ethical, Legal, and Social Dilemmas of Tomorrow

Steering Committee:

Olga Tzortzatou-Nanopoulou, Digital Health Literacy & Policy Hub, CEO and Co-Founder

Zisis Kozlakidis, Head Laboratory Support, Biobanking, and Services, IARC/WHO

Timos Sellis, Scientific Director, Archimedes, Athena Research Center, Greece

Spyros Kouvelis, Director, ISD-EPLO / Senior Associate, Cambridge Institute for Sustainability Leadership, University of Cambridge

19:30

Reception Cocktail/buffet aboard a yacht in the rivers of Lyon

Day 2 (27 May)

Addressing the Challenges of AI in Digital Health

Chair: Zisis Kozlakidis, Head Laboratory Support, Biobanking, and Services, IARC/WHO

9:00 – 9:30

Keynote 3:

Orestis Trasanidis, Managing Director EIT Silicon Valley Hub and Lead EIT Health

Tentative Title: Growth of AI and Sustainability in Europe

9:30 – 9:45

Discussion

9:45 – 10:00

Short Break

10:00 – 10:45

Panel Discussion 1: Transforming Digital Health: Using AI to Drive Progress on the SDGs

Panelists:

Stella Apostolaki, Executive Director, Center of Excellence in Sustainability/ Assistant Professor,
Department of Science and Mathematics, Deree-The American College of Greece

Moderator: Christina Deligianni, Policy and Programs Director, ISD – EPLO, EU Climate Pact
Ambassador

10:45 – 11:00

Christina Deligianni, Policy and Programs Director, ISD – EPLO, EU Climate Pact Ambassador

Title: Presentation of NeuroClima, an EU-funded Horizon Project

11:00 – 11:30

Coffee Break

11:30 – 12:30

Workshop 2: Regulatory Frameworks in Healthcare: Global Perspectives on AI and ESG

Facilitator: ISD- EPLO

Panelists:

Professor Paraskevi Papadopoulou, Biomedical Sciences and Environmental Studies Programs,
Department of Science and Mathematics, Deree-The American College of Greece

Danai Spentzou, Accredited Parliamentary Assistant (APA) at the European Parliament

Moderator: Christina Deligianni, Policy and Programs Director, ISD – EPLO, EU Climate Pact
Ambassador

12:30 – 14:00

Lunch

14:00 – 14:30

Professor Antoine Harfouche, University of Tuscia

Title: Shaping the future of AI in medicine and healthcare through human-centric, ethical AI design

14:30 – 14:45

Q&A

14:45-16:45

Professor Antoine Harfouche, University of Tuscia

Module: A hands-on workshop on AI ethics in medicine: a practical and mindful framework to building ethical AI in cancer diagnostics

16:45 – 17:00

Coffee Break

17:00 – 17:30

Case Study Panel: Bridging Science and Society: Innovative Outreach in Biobanking Education: The SCIBIOEU Project

Participants: Olga Tzortzatou Nanopoulou, Digital Health Literacy & Policy Hub, CEO and Co-Founder
Vasileios Zogopoulos, Biomedical Research Foundation of the Academy of Athens

Moderator: Professor Antoine Harfouche, University of Tuscia

19:30

Social Event 2:

Guided Coach tour to Lyon

Day 3 (28 May):

Shaping the Future of Healthcare

Chair: Olga Tzortzatou Nanopoulou, Digital Health Literacy & Policy Hub, CEO and Co-Founder

9:00 – 9:30

Keynote 4:

Professor Andreas Mershin, Chief Science Officer, RealNose.ai

Co-Speaker: Adan Rotteveel, Head of AI, RealNose.ai

Title: From Hippocrates to RealNose the MIT Way -Diagnosing Cancer by Scent in the Age of AI

9:30 – 9:45

Q&A

9:45 – 10:00

Short Break

10:00 – 10:45

Panel Discussion 2: Opportunities and Challenges: Integrating AI into Healthcare Systems for a Smarter Future

Moderator: Christina Deligianni, Policy and Programs Director, ISD – EPLO, EU Climate Pact Ambassador

Panelists:

Kostas Athanasakis, Assistant Professor, University of West Attica, Greece

Tim Beck, Associate Professor, School of Medicine, University of Nottingham

Affiliated Researcher, Archimedes, Athena Research Center, Greece

Zisis Kozlakidis, Head Laboratory Support, Biobanking, and Services, IARC/WHO

Olga Tzortzatou Nanopoulou, Digital Health Literacy & Policy Hub, CEO and Co-Founder

10:45 – 11:15

Coffee Break

11:15 – 11:45

Kostas Athanasakis, Assistant Professor, University of West Attica, Greece

Affiliated Researcher, Archimedes, Athena Research Center, Greece

Tentative Title: How will AI transform our interactions with the health system? AI and information asymmetries in healthcare

11:45 - 12:00

Q&A

12:00 – 12:30

Keynote 5:

Julia Tsetis, Honorary Doctor of NKUA, CEO of OFET, GS of BoD of SEV, Chair of UN GCNH, UNI-

PHARMA SA & InterMed SA, Greece

Title: AI: Speed up Innovation in Pharma Industry

12:30 - 12:45

Q&A

12:45 – 13:15

Keynote 6:

Professor John Ioannides, Stanford University

Title: Artificial Intelligence in Biomedicine: hope, hype and evidence.

13:15 – 13:30

Q&A

13:30 – 13:40

Short Break

13:40 – 13:45

Mustafa Mert Corbaci, Digital Content Creator, Digital Health Literacy & Policy Hub

Dayana Isabel Espinosa Pozo, Digital Content Creator, Digital Health Literacy & Policy Hub

Title: Presentation of the Digital Health Literacy & Policy Hub

13:45 – 14:05

Keynote 7:

Professor Dimitri V. Nanopoulos, Distinguished Professor Emeritus, Texas A&M University

Tentative Title: A Quantum Brain?

14:05 – 14:25

Breakthrough Panel:

Professor Dimitri V. Nanopoulos, Distinguished Professor Emeritus, Texas A&M University

Professor Andreas Mershin, Chief Science Officer, RealNose.ai

Title: A Quantum Brain?

14:25 - 14:35

Q&A

14:35-15:00

Summary Session, Brief Presentation of next Summer School June 2026 in Antwerp by Prof. Elke Smits & Closing Remarks

Hosted by the Director of the School & the Esteemed Members of the Steering Committee
