

## ODELIA Summer School

September 16 – 18, 2025

Vall d'Hebron Institute of Oncology (VHIO), C/ Saturnino Calleja 11-13, 08035,  
Barcelona, Spain

### Dive into the intersection of AI and medicine at the intensive ODELIA Summer School

Tailored for early career researchers eager to explore the integration of artificial intelligence in healthcare and clinical trials, this program will delve into transformative areas such as privacy-preserving Distributed Learning, the use of imaging in oncological routines, and the design and implementation of clinical trials, with special focus on how AI is reshaping and advancing these critical domains.

Hosted at the Vall d'Hebron Institute of Oncology (VHIO), leading center for personalised oncology in Europe, participants will benefit from a cutting-edge research environment. Founded in 2006, VHIO is renowned for its multidisciplinary, translational research model. Its Research Unit in Molecular Therapy of Cancer has contributed to the approval of over 70 new cancer therapies, transforming, in record time, the latest research discoveries into early clinical trials and, thus, in new opportunities for patients.

#### Programme:

##### Tuesday, 16th of September

**13:30-14:00** – Arrival and welcome (Raquel Pérez López, VHIO)

**14:00-15:00** – Keynote Lecture (Daniel Truhn, Aachen University Hospital)

**15:00-16:30** – SESSION I: Student Elevator Pitches (Moderator: Adrià Marcos Morales, VHIO)

*Students will give 5min presentations of their projects. A total of 10 projects will be selected based on submitted abstracts. Moderated by Adrià Marcos Morales.*

**16:30-17:00** – Guided Tour of Vall d'Hebron campus

**17:00-19:30** – Networking Tapas at CELLEX



This project has received funding from the European Union's Horizon  
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agreement No 101057091.

### **Wednesday, 17th of September**

**9:00-10:00** – Keynote Lecture (Silvia Casacuberta, VHIO)

**10:00-11:00** – Workshop part I: theory

*Two VHIO experts will give introductory talks to the Workshop session. The talks will focus on Clinical Trials for Oncology and AI in clinical settings.*

**10:00-10:15** – Workshop Introduction (Raquel Pérez López, VHIO)

**10:15-10:30** – Intro Lecture I: Clinical Trials 101

**10:30-10:45** – Intro Lecture II: AI Models in Clinical Trials at VHIO

**10:45-11:00** – Intro Lecture III: Regulatory Aspects

**11:00-11:30** – Coffee Break

**11:30-13:00** – Workshop Kick-Off and Group Work (A)

*Interactive sessions where participants will design a clinical trial including AI, moderated by Raquel Pérez López. Clinical trial experts from VHIO will be available throughout for support and guidance. Available experts include members from:*

*VHIO's Radiomics Group  
VHIO's Biostatistics Unit  
VHIO's Clinical Trials Office  
VHIO's Academic CRO*

**13:00-13:45** – Lunch

**13:45-14:45** – Workshop part II: Group Work (B)

**14:45-16:00** – Workshop final presentations and feedback

**17:00-19:00** – Team building activity: guided tour of Sant Pau Hospital

### **Thursday, 18th of September**

**9:00-11:00** – SESSION II: Distributed Learning

**9:00-9:30** Mikulas Bankovic (DKFZ)

**9:30-10:00** Karim Lekadir (Universitat de Barcelona)

**10:00-10:30** Oliver Saldanha (Technische Universität Dresden)

**10:30-11:00** Malte Toelle (Universität Heidelberg)



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**11:00-11:30** – Coffee Break

**11:30-13:00** – SESSION III: Breast Cancer Screening Techniques

**11:30-12:00** TBD

**12:00-12:30** Breast MRI: Technique, Indications, and Future Applications  
(Belén Ubeda, Hospital Clinic de Barcelona)

**12:30-13:00** Francesco Grussu (VHIO)

**13:00-13:30** – Closing Remarks and Elevator Pitch Awards (Raquel Pérez López, VHIO)



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