

University Master's Degree in **BIOMEDICAL DATA SCIENCE**

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ROVIRA I VIRGILI

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BIOINFORMATICS
BARCELONA

2022/23 Summer School

DRAFT PROGRAM - Subject to change

Last update: 02 June 2023

Venue: Aula Capella- [ETSEIB](#)- Barcelona

LISTENER PARTICIPATION: Occasional attendees who are not enrolled in the MBDS should register through the following [LINK](#)

SPONSORS & COLLABORATORS: AMGEN & BIB

Day one – Tuesday 6th June 2023

Master Vision/ Health Data Science Applications/ Career perspectives

08:30 – 08:50 Arrival and registration

08:50 – 09:00 **Welcoming Speech** – ([Esther Garcia-Buscalla – Value, Access & Policy Sr Manager at Amgen Iberia](#), [Dr. David Torrents – Vice-president BIB](#))

09:00 – 10:00 **Opening Session:** “When the domain matters” – [Dr. David Torrents \(Computational Genomics Group Leader - BSC\)](#)

10:00 – 11:00 “Venous thromboembolic disease as a model for Personalised Medicine” – [Dr. José Manuel Soria \(Director of the Complex Diseases Genomics Unit of the Research Institute of the Santa Creu and Sant Pau Hospital, CEO Exheus\)](#)

Coffe break

11:30 – 12:30 “Impact and benefits for management of diseases and patients of Health data analysis” – [Prof. Pascal Mossuz \(Head of The Department of Biological Hematology, Responsible for Genetics Platform of Cancers- University Grenoble-Alps\)](#)

12:30 – 13:30 “Building a Biomedical Data Scientist career” – [Dr. Francesc Fernández \(Director R&D Data Science- Almirall\)](#)

Lunch break

14:30 – 15:30 Challenges induction

15:30 – 16:30 Work in groups – Challenges

Coffe break

17:00 – 18:00 Work in groups – Challenges

18:00 – 19:00 Work in groups – Challenges

Day two – Wednesday 7th June 2023

Data Standards/ Ethics/ Patient engagement

09:00 – 10:00 “Common Data Models” – [Dr. Maria Aragón \(General Coordinator SIDIAP\)](#)

10:00 – 11:00 “AI & Designing Ethics” – [Dr. David Casacuberta \(Profesor Contratado Doctor-UAB\)](#)

Coffe break

11:30 – 12:30 “Patient Engagement in Digital Health” – [Charlotta Norgaard \(CEO & Co-Founder at Patient in Focus\)](#)

12:30 – 13:30 “Patient Engagement in Digital Health” – [Lisbeth Oxholm Snede \(Patient Advocates, Chairwoman & Co-founder of Patient in Focus\)](#)

Lunch break

14:30 – 15:30 Work in groups – Challenges

15:30 – 16:30 Work in groups – Challenges

Coffe break

17:00 – 18:00 Work in groups – Challenges
18:00 – 19:00 Work in groups– Challenges

Day three – Thursday 8th June 2023

Innovation day

09:00 –10:00 “How is big data impacting the development of new drugs” – [Dr. Miquel Balcells \(Medical Director Amgen Iberia\)](#)

10:00 – 11:00 “Innovation Assessment for Digital Health”– [Dr. Laura Sampietro-Colom \(Deputy Director of Innovation. Head of Innovation Assessment Unit -Health Technology Assessment- Hospital Clinic Barcelona\)](#)

Coffe break

11:30 – 12:30 “Discovering the Future of Health: innovate in the field of precision medicine”– [Walter Sanseverino \(CEO and Co-founder at Sequentia Biotech\)](#)

12:30 – 13:30 “Use of terminology standards in Electronic Health records: Unlocking the power of clinical Data”–[Mireia Rodríguez \(CEO, Co-Founder & Business Development Manager Bitac\)](#)

Lunch break

14:30 – 15:30 Work in groups – Challenges
15:30 – 16:30 Work in groups – Challenges

Coffe break

17:00 – 18:00 Work in groups – Challenges
18:00 – 19:00 Work in groups– Challenges
20:00– 22:00 **Social evening** (to be confirmed)

Day four – Friday 9th June 2023

Plenary and Evaluation

09:00 –10:00 **Plenary Seion** “Use of Big Data and Digital Resources in Health. Digital Transformation in Pathology as Model” – [Dr. Federico Rojo \(Head of Pathology Department Scientific Director of FJD\)](#)

10:00 – 10:30 **Closing Remarks**

Coffe break

11:00 – 12:00 Challenges Presentations (G1, G2)
12:00 – 13:30 Challenges Presentations (G3, G4, G5)

Lunch & Farewell
