HARMONY ALLIANCE

EHA EUROPEAN HEMATOLOGY ASSOCIATION

ALMA MATER STUDIORUM A.D. 1088

INFN CNAF

PERSONAL INVITATION

HARMONY Alliance Big Data Bootcamp

26 & 27 March 2024
Bologna, Italy

From data to the next generation of care

Join us for an engaging and educational experience to deepen your understanding of working with large-scale data sets and using the **HARMONY Big Data Platform** with its integrated data services.

2-Day Bootcamp for early career clinical and research hematologists already working on data-driven research projects and eager to broaden their knowledge and improve their skills.

The HARMONY BigData Platform is a secure, innovative research data ecosystem providing a large data lake and state-of-the-art analytic services. The anonymous patient data sets at the Big Data Platform are collected securely following all legal and ethical requirements, harmonized and then analyzed. The data sets are provided by HARMONY Alliance Partners and Associated Members. Over 165,000 blood cancer patient datasets have been identified and 115,000 records are currently available for analysis on the HARMONY Big Data Platform.

Read more >
www.harmony-alliance.eu/bigdata-platform

Bootcamp outline program and learning objectives

Day 1

- Gain deep understanding of the HARMONY mission, the data lake and the Big Data Platform;

- Understand advanced techniques in statistical modelling, Machine Learning, Neural Networks and Deep Learning to the data; as well as data harmonization and the OMOP data model.

Day 2

- Learn how to make use of the HARMONY Big Data Platform dashboards, how to perform basic statistical analyses and visualization in large-scale datasets and how to interpret these analysis results and make meaningful observations such as instance in disease progressing, identification of new markers and performance of risk stratification.

We are honored to present already our lineup of lecturers, mentors, and trainers who will be the guiding forces at the HARMONY Alliance Bootcamp. These experts bring a wealth of experience and knowledge in their area of the hematology field to inform, inspire, empower and guide the bootcamp participants.

Gastone Castellani
University of Bologna

Eric Fey
University of Helsinki

Valeria Santini
University of Florence

Maria Cristina Vistoli
INFN – CNAF

Andrea Chierci
University of Bologna

Alberto Hernández
IBSAL/University of Salamanca

Eric Stang
Charite

Ellen de Waal
EHA

Mateo Della Porta
HUMANITAS

Barbara Martelli
INFN CNAF

Amin Turki
Universit of Essen

We are also honored to have the full support of our HARMONY Alliance Data Science Teams for targeted trainings:

María Abáigar
Helena Fidalgo Gómez
Javier Martinez
Angela Villaverde
IBSAL/University of Salamanca

Luciana Carota
Enrico Giampier
Daniele dal'Olio
University of Bologna

Criteria for participation

- You already are involved in data-driven research and are eager to learn about the impact of using big data and AI tools in research projects;

- You are employed in a hematology research environment;

- You are a trainee or junior faculty and hold an MD or MD/PhD (within twelve years of post-graduation at the time of the deadline for application. PhD applicants must have less than eight years of post-doc experience after graduation at the time of application);

- You have been involved in clinical trials and have experience with handling clinical trial data;

- You are based in Europe, have a valid passport that allows you to travel abroad and you are proficient in English;

- You are working for an organization that is either a HARMONY Alliance Partner (HARMONY PLUS) (1 applicant per organization).

Note: We have 8 spots open for non-HARMONY Alliance Partners

Last updated: 31 January 2024

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Application

Embark on this 2-day journey of discovery and education, here is how:

1. Send an email about your interest to participate to e.dewaal@ehaweb.org

2. You will receive an application form (motivation, bio, personal details)

3. Send the completed application back, before 15 February 2024

4. We will discuss your application with our Bootcamp Committee and share with you the outcome about possible acceptance asap.

5. Further details about program, venue and activities will follow.

Participation cost

- The cost for the bootcamp, including venue, and social activities are covered by the HARMONY Alliance.

- Bootcamp participants are asked to book their own travel arrangements.

- Bootcamp participants working at HARMONY PLUS Partner organizations can submit their travel costs at the latest by 31 March 2024.

#bigdataforbloodcancer: Accelerate blood cancer care through data-driven research

The HARMONY Alliance is a European Public–Private Partnership for Big Data in Hematology. When we started in 2017, the hematology community was embarking on a journey towards embracing data sharing and recognizing the transformative power of big data. HARMONY set a crucial milestone when this endeavor was only starting. By laying the foundation for future collaborations, advancements, and discoveries that would incorporate state-of-the-art technologies in the field of hematology, we are making our contribution to improving the understanding and treatment of blood disorders. Now, just almost seven years later with 128 partners from 28 countries, we have transformed both the sharing and use of data. We have developed the Big Data Platform with a data lake that has identified over 165,000 patient records. All data is protected using a unique anonymization and security process. In more than 30 research projects, groundbreaking research is being carried out with the help of advanced customized data analytic services, including AI modeling. www.harmony-alliance.eu

More information

Ellen [P.B.] de Waal

Lead Engagement, Communications & Dissemination HARMONY Alliance

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