

EXPERTS

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MODERATORS

Felipe Hernández. Cardiólogo, Madrid

Íñigo Lozano. Cardiólogo, Hospital de Cabueñes

Raúl Moreno. Cardiólogo, Hospital Universitario La Paz

Armando Pérez de Prado. Cardiólogo, Hospital de León

José R. Rumoroso. Cardiólogo, Hospital de Galdakano

Ramiro Trillo. Cardiólogo, CHU de Santiago de Compostela)

COORDINATOR

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Cardiology Department University Hospital Marqués de Valdecilla, IDIVAL, Santander, Spain

TARGET AUDIENCE

These sessions will be very interesting for any professional involved in clinical care or in research activity, whether biomedical or technological, not only focused on the cardiovascular field but also on other fields of medicine.



Dates: 21-24 November (6 hours)
Schedule: Monday-Thursday from 4:30pm to 6pm
Place: Virtual attendance
Registration: www.idival.org

OBJECTIVES

Artificial intelligence, deep learning, machine learning, neural networks and others, are terms that have acquired extraordinary value in recent years.

The extremely high computational power achieved today and that is constantly growing allows us to talk about artificial intelligence methods that surpass humans in many of the tasks that we have classically developed, no matter how complex they may be, and among them is medicine. All these advances have allowed us to speak of "Precision Medicine" in which big data and artificial intelligence techniques play an essential role.

The evidence-based medicine that came to light about 50 years ago has been crucial in improving the quality of medical care in recent decades, but most commonly the evidence generated is applicable to general populations of patients with a very limited degree of adaptability to more specific patient profiles, not to mention the peculiarities of each particular patient.

For this series of sessions, we have invited a select group of medical and engineering professionals of various nationalities. All of them are directly involved in this type of development that includes the use of various artificial intelligence methodologies on medical research and practice. Thus, they will present us the results of their investigations and those of other groups and their potential or real implications for clinical practice. From the centennial electrocardiogram, through multiple imaging techniques or cardiovascular hemodynamics, all these diagnostic approaches are susceptible to exploitation by these artificial intelligence methods, yielding unimaginable possibilities that will extraordinarily enhance the discriminative diagnostic power of the techniques and their therapeutic implications. All this towards a truly personalized evidence-based medical care.

IDIVAL Precision Medicine FORUM

CONVERGENCE BETWEEN
HIGH TECHNOLOGY AND
MEDICAL CARE. AIMING TO
PRECISION CARDIOLOGY
21-24 November Virtual attendance



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Con el aval de:



P R O G R A M A

SESSION I. Monday 21 November

MODERATORS

Dr. José R Rumoroso
Dr. Felipe Hernández

16:30-17:15

Personalization of risk profiles in cardiovascular disease: impact on the selection of pharmacological and interventional therapies

Dr. Jose M de la Torre Hernandez

17:15-18:00

Computational tools and emerging technologies: evolving precision

cardiovascular care
Dr. Max L. Olender

SESSION II. Tuesday 22 November

MODERATORS

Dr. Raúl Moreno
Dr. Armando Pérez de Prado

16:30-17:15

Multi-modality Optical Coherence Tomography and Fluorescence Imaging

Dr. Lambros Athanasiou

17:15-18:00

The future of Optical Coherence Tomography: artificial intelligence supporting clinical decision-making

Dr. Richard Rapoza

SESSION III. Wednesday 23 November

MODERATORS

Dr. Íñigo Lozano
Dr. Ramiro Trillo

16:30-17:15

ECG and artificial intelligence

Dr. Rafael Vidal Pérez

17:15-18:00

The critical role of diagnostic, monitoring, and predictive tools in patients with valvular disease and TAVR

Dr. Zahra Motamed

SESSION IV. Thursday 24 November

MODERATORS

Dr. Ramiro Trillo
dr. Raúl Moreno

16:30-17:15

Digital Twin of the heart in the optimization of personalized therapies

Dr. Francisco Javier Saiz Rodríguez

17:15-18:00

Explainable Artificial Intelligence: Beyond Black Boxes for Precision Cardiology

Dr. Oscar Cámara

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