



Infraestructura de Medicina de Precisión  
asociada a la Ciencia y la Tecnología



MINISTERIO  
DE CIENCIA, INNOVACIÓN  
Y UNIVERSIDADES



Instituto de Salud Carlos III

WITH THE COLLABORATION OF



# IMPACT MEETING

An initiative to improve health  
through precision medicine

November 18, 2024

ISCIII, Ernest Lluch Room

from 9.30 to 18.00



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## WELCOME

### 9.30 – 10.20 OPENING WELCOME SESSION

**Authorities** TBC

### 10.20 – 11.00 Keynote lecture

#### THE ALL OF US RESEARCH PROGRAM: SUCCESSFUL US PRECISION MEDICINE STORY

**Chairman:** Rosario Perona Abellón. (Deputy Director on Cell therapy and Regenerative Medicine, Instituto de Salud Carlos III)

**Sheri Schully.** Ph.D. Deputy Chief Medical and Scientific Officer, All of Us Research Program. National Institutes of Health

**Melissa Basford.** MBA, Senior Director, Big Data Support Services, Vanderbilt Institute for Clinical and Translational Research (VICTR) – and Genomics Principal Investigator, All of Us Research Program. National Institutes of Health

### 11.00 – 11.20 Coffee & Networking

### 11.20 – 12.30 PRESENTATION OF ACHIEVEMENTS IN THE THREE IMPaCT AXES

**Chairman:** Fernando Rodríguez Artalejo (Universidad Autónoma de Madrid)

**Beatriz Pérez-Gómez.** Axe 1 IMPaCT-Cohort Coordinator. Centro Nacional de Epidemiología, Instituto de Salud Carlos III

**Alfonso Valencia Herrera.** Axe 2 IMPaCT-Data Coordinator. Barcelona Supercomputing Center

**Ángel Carracedo Álvarez.** Axe 3 IMPaCT-Genomics Coordinator. Fundación Pública Gallega de Medicina Genómica

## Round Tables 1 / PERSONALIZED MEDICINE PROJECTS 2021: PRESENTATION OF RESULTS

### 12.30 – 13.30 **Chairman:** Joaquín Dopazo Blázquez (Hospital Virgen del Rocío, Fundación Progreso y Salud)

**Javier Corral de la Calle.** (Instituto Murciano de Investigación Biosanitaria (IMIB)). 4th generation sequencing with nanopores in the diagnosis of genetic diseases

**Pablo Lapunzina Badia.** (Instituto de Genética Médica y Molecular (INGEMM)). Hospital Universitario La Paz) ONTOPREC

**Aroa Soriano Fernández.** (Instituto de Investigación Vall d'Hebron (VHIR)) SEHOP-PENCIL

**Dolores Corella Piquer.** (Universidad de Valencia) Advances in precision medicine for obesity: Multiomic and dynamic analysis for the discovery and validation of biomarkers predicting weight loss after intervention in high-risk individuals

## Round Tables 2 / WORK OF THE COMMITTEES

### 13.30 – 14.15 ÉTICA E INTEGRIDAD CIENTÍFICA Y PARTICIPACIÓN CIUDADANA Y COMUNICACIÓN

**Chairman:** David Velasco Gail. (S.G. Terapia Celular y Medicina Regenerativa, Instituto de Salud Carlos III)

**Pilar Nicolas Jiménez.** (Universidad del País Vasco)

**Pedro Carrascal Rueda.** (Plataforma de Organizaciones de Pacientes)

**Daniel de Vicente Corbeira.** (Federación Española de Enfermedades Raras)

**Inés Ortega Villanueva.** (Centro de Investigación Biomédica en Red)

**José Antonio Plaza Ramos.** (Unidad de Apoyo a Dirección, Instituto de Salud Carlos III)

### 14.15 – 15.30 Lunch & Networking

### 15.30 – 16.20 THE ROLE OF INTERNATIONALIZATION ON IMPACT

**Chairman:** Daniel Ruíz Iruela (Deputy Director for International Research Programs and Institutional Relations, Instituto de Salud Carlos III)

**Elena Doménech Cruz.** (S.G. Programas Internacionales de Investigación y Relaciones Institucionales, Instituto de Salud Carlos III)

**Marta Marín Barba.** (NCP «Cluster I-Salud Horizonte Europa» y NCP «EIC Pathfinder y Transition Horizonte Europa» Oficina Europea, Fundación Española para la Ciencia y la Tecnología)

**Juan Arenas Márquez.** (Head of ELIXIR Project Management Office and European Genomic Data Infrastructure Deployment)

**Salvador Capellá-Guitierrez.** (Leader of the Spanish National Bioinformatics Institute (INB) at the Barcelona Supercomputing Center (BSG))

## Round Tables 3 / PERSONALIZED MEDICINE PROJECTS 2022: PRESENTATION OF RESULTS

### 16.20 – 17.40 **Chairman:** Isabel Cuesta. (Unidad Bioinformática, Instituto de Salud Carlos III)

**Enrique de Alava Casado.** (Hospital Universitario Virgen del Rocío) Immu-ne4ALL. Exploring the feasibility of predictive and pharmacodynamic biomarkers for immunotherapy in solid tumors

**Ángeles Almeida Parra.** (Instituto de Investigación Biomédica de Salamanca (IBSAL)) Personalized Medicine (MedPer) in the early detection of preclinical cognitive impairment (CD). Development of a predictive risk model

**Jesús Oteo Iglesias.** (Centro Nacional de Microbiología, Instituto de Salud Carlos III) Precision medicine against antimicrobial resistance: MePRAM Project

**Maria Molina Molina.** (Instituto de Investigación Biomédica de Bellvitge (IDIBELL)) Integration of molecular, genomic, morphological, and environmental features to improve precision diagnosis and treatment in Diffuse Fibrosing Interstitial Lung Diseases (Precision-ILD)

**Teresa Padró Campany.** (Instituto de Investigación Sant Pau (IIB-Sant Pau)) Precision Medicine in Familial Hypercholesterolemia and Premature Cardiovascular Disease by Integrating Omics and Imaging Technologies (MedPreHF)

### 17.40 – 18.00 MAIN CONCLUSIONS AND CLOSURE TBC