

HYBRID
FORMAT

International
Workshop on
**GENOMIC
TESTING IN
CANCER**
FACING A NEW ERA IN
PERSONALIZED MEDICINE

OCTOBER, 27th-29th, 2021

Co-Chairs:

Ignacio Gil-Bazo, Clínica Universidad de Navarra - Pamplona, Spain
Antonio González-Martín, Clínica Universidad de Navarra - Madrid, Spain

Scientific Committee

Antonio González-Martín, MD
Luis M. Montuenga, PhD
Rubén Pío, PhD
Josep María Argemí, PhD
Julián Sanz, PhD
Mariano Ponz-Sarvisé, MD, PhD

Álvaro González, MD, PhD
Miguel Fernández de Sanmamed, MD, PhD
Ana Patiño-García, PhD
María José Calasanz, PhD
Gorka Alkorta, PhD
Dr. Ignacio Gil-Bazo, MD, PhD

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International Workshop on
GENOMIC TESTING IN CANCER
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HYBRID FORMAT

OCTOBER, 27th-29th, 2021

WEDNESDAY, OCTOBER 27th

15:30 - 16:00

Welcome

Jesús San Miguel

Head of Clinical and Translational Medicine, Clínica Universidad de Navarra, Pamplona, Spain

Ignacio Gil-Bazo

Co-Chair, IV International Workshop, Clínica Universidad de Navarra and CIMA, Pamplona, Spain

Antonio González

Co-Chair, IV International Workshop, Clínica Universidad de Navarra, Madrid, Spain

16:05 - 17:55

SESSION I SINGLE-CELL TECHNOLOGIES IN CANCER TESTING

Chairs

Miguel F. Sanmamed

Clínica Universidad de Navarra and CIMA, Pamplona, Spain

Gorka Alkorta

CIMA LAB Diagnostics, Universidad de Navarra, Pamplona, Spain

16:05 - 16:35

Single-molecule sequencing

Iñigo Martincorena

Sanger Institute, Cambridge, UK

16:35 - 17:05

Novel radioligand and radiotracer development for various targets involved in cancer

Corinne Beinat

Stanford University, California, USA

17:05 - 17:35

Single cell proteomics and cancer Immunotherapy

Matthew Spitzer

UCSF, San Francisco, USA

17:35 - 17:55

Discussion

17:55 - 18:10

Pause

18:10 - 19:10

Keynote Session

Chairs

Luis Montuenga

Centro de Investigación Médica Aplicada (CIMA), Pamplona, Spain

Álvaro González

Clínica Universidad de Navarra, Pamplona, Spain

Genomic testing as a key tool in precision medicine

Mariano Barbacid

CNIO, Madrid, Spain



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OCTOBER, 27th-29th, 2021

THURSDAY, OCTOBER 28th

15:00 - 16:50 **SESSION II BIOMARKERS OF RESISTANCE TO TARGETED THERAPIES**

Chairs

Julián Sanz

Clínica Universidad de Navarra, Madrid, Spain

Antonio González

Clínica Universidad de Navarra, Madrid, Spain

15:00 - 15:30

Liquid biopsy in the identification of resistance to targeted therapy

Christian Rolfo

Mount Sinai Cancer Center, New York, USA

15:30 - 16:00

Molecular determinants of response and resistance to PARP inhibitors

Iain McNeish

Imperial college, London, UK

16:00 - 16:30

NRG1 fusions as predictors of response to Zenocutuzumab: eNergy Trial

Alison Schram

Memorial Sloan Kettering Cancer Center, New York, USA

16:30 - 16:50

Discussion

16:50 - 17:05

Pause

17:05 - 18:25 **SESSION III ARTIFICIAL INTELLIGENCE AND BIG DATA IN CANCER GENOMICS**

Chairs

Mikel Hernáez

CIMA, Universidad de Navarra, Pamplona, Spain

Josep María Argemí

Clínica Universidad de Navarra and CIMA, Universidad de Navarra, Pamplona, Spain

17:05 - 17:35

A meta-learning approach for genomic survival analysis in cancer

Olivier Gevaert

Stanford University, California, USA

17:35 - 18:05

The use of large-scale cancer genomics to identify new potential targets

Raúl Rabadán

Columbia University, New York, USA

18:05 - 18:25

Discussion

18:25 - 18:40

Pause

18:40 - 20:00 **SESSION IV CANCER EPIGENOMICS**

Chairs

María José Calasanz

CIMA, Universidad de Navarra, Pamplona, Spain

Ignacio Gil-Bazo

Clínica Universidad de Navarra, Pamplona, Spain

18:40 - 19:10

Are cancer epigenomics ready for primetime?

Manel Esteller

Josep Carreras Leukaemia Research Institute, Barcelona, Spain

19:10 - 19:40

Clinical trials targeting epigenetics for cancer therapy: what's new?

Alejandro Navarro

VHIO, Barcelona, Spain

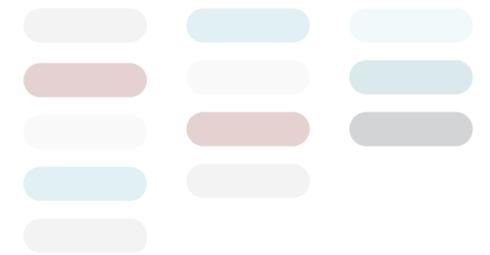
19:40 - 20:00

Discussion

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OCTOBER, 27th-29th, 2021



FRIDAY, OCTOBER 29th

15:00 - 17:20 **SESSION V BIOMARKERS OF RESISTANCE TO IMMUNOTHERAPY**

Chairs

Rubén Pío

CIMA, Universidad de Navarra, Pamplona, Spain

Ignacio Melero

Clínica Universidad de Navarra and CIMA, Pamplona, Spain

15:00 - 15:30

Sensitivity and resistance determinants in genitourinary tumors

Thomas Powles

Barts Cancer Center, London, UK

15:30 - 16:00

TMB, PD-L1 and beyond as predictive biomarkers in immunotherapy

Luis Ráez

Memorial Cancer Institute, Miami, USA

16:00 - 16:30

The immune landscape of lung cancer

Ignacio I. Wistuba

University of Texas, MD Anderson Cancer Center, Houston, USA

16:30 - 17:00

Gut microbiome and immune checkpoint inhibitors efficacy

Bertrand Routy

University of Montreal, Montreal, Canada

17:00 - 17:20

Discussion

17:20 - 17:35

Pause

17:35 - 19:55 **SESSION VI ADVANCED THERAPIES AGAINST CANCER**

Chairs

Ana Patiño

Clínica Universidad de Navarra and CIMA, Pamplona, Spain

Mariano Ponz-Sarvisé

Clínica Universidad de Navarra, Pamplona, Spain

17:35 - 18:05

CAR T-cell therapy against solid tumors

Marcela Maus

Massachusetts General Cancer Center, Boston, USA

18:05 - 18:35

Proton beam radiotherapy in the precision medicine era

Felipe Calvo

Clínica Universidad de Navarra, Madrid, Spain

18:35 - 19:05

Patient-derived organoids: Next-generation biopsies in precision oncology

Nicola Valeri

Imperial College London and The Institute of Cancer Research, London, UK

19:05 - 19:35

Challenges of BiTEs in cancer treatment

Elena Garralda

VHIO, Barcelona, Spain

19:35 - 19:55

Discussion

19:55 - 20:05

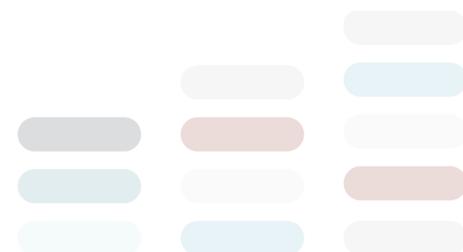
CLOSING REMARKS

Antonio González

Clínica Universidad de Navarra, Madrid, Spain

Ignacio Gil-Bazo

Clínica Universidad de Navarra, Pamplona, Spain



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Accreditation

An application has been made to the Navarre Healthcare Professional Continuing Education Commission (Spain)

Workshop Secretariat



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