

18th ASEICA INTERNATIONAL CONGRESS

SANTIAGO DE COMPOSTELA

16th to 18th of November 2022

ONSITE CONGRESS

#ASEICACongress

Venue:

Facultade de Medicina e Odontoloxía ·
Faculty of Medicine and Dentistry

Salón de Actos · Auditorium

Rúa de San Francisco, s/n. Santiago de Compostela

Organized by:

aseica

SCIENTIFIC COORDINATORS

Luis Paz-Ares
Rafael López
Verónica Torrano

Miguel Fernández de Sanmamed
Marisol Soengas

SCIENTIFIC COMMITTEE

Xosé R. Bustelo
Toni Celià-Terrassa
Ana Isabel Cuenda
Ignacio Durán
Roger Gomis
Rafael López

Ana Monfort
Gema Moreno
María Muñoz Caffarel
Luis Paz-Ares
Aleix Prat
SusanaPuig

Patricia Sancho
Miguel Fernández de Sanmamed
Marisol Soengas
Verónica Torrano





TUESDAY, 15th NOVEMBER

19:00-21:00

I REUNIÓN DE ASEICA JOVEN

(Venue: Espacio Riquela, Santiago de Compostela. Limited access.
Registration required)

WEDNESDAY, 16th NOVEMBER

09:15-9:25

WELCOME AND INTRODUCTION

Luis Paz-Ares, Hospital Universitario 12 de Octubre, Madrid
Rafael López López, Complejo Hospitalario Universitario de Santiago

09:25-10:15

OPENING LECTURE

Chair: Marisol Soengas, Centro Nacional de Investigaciones
Oncológicas-CNIO, Madrid

09:25-10:15

Function-based genomics to combat immunotherapy resistance

Daniel Peeper, Netherlands Cancer Institute, Amsterdam

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EACR European Association
for Cancer Research

10:15-12:15

SESSION 1:

AI AND MACHINE LEARNING/OMICS

Chairs: Angélica Figueroa, Instituto de Investigación Biomédica de
A Coruña (INIBIC)

Patricia Sancho, Instituto de Investigación Sanitaria Aragón

10:15-10:45

Mapping the evolution and heterogeneity of glioblastomas

Raúl Rabadán, Columbia University, New York (USA)

10:45-11:10

Machine learning-based transcriptomic signatures for cancer prognosis

José Antonio Seoane, Vall d'Hebron Instituto de Oncología,
Barcelona

11:10-11:35

Understanding tumour evolution with single-cell DNA sequencing

David Posada, CINBIO, Universidade de Vigo

11:35-12:00

Functional genomics meets machine learning: Human papillomavirus 42 drives digital papillary adenocarcinoma and elicits a germ cell like program conserved in HPV-positive cancers

Anna Christina Obenauf, Research Institute of Molecular Pathology,
Vienna (Austria)



- 12:00-12:15 **Early detection of colorectal cancer in Lynch Syndrome: a T cell-immunomics approach**
María Soledad Benítez, Centro de Genómica e Investigación Oncológica (Genyo), Granada
- 12:15-12:45 **Coffee break** ☕
- 12:45-13:30 **KEYNOTE LECTURE**
Chairs: Xosé Bustelo, Centro de Investigación del Cáncer, Salamanca
- 12:45-13:30 **From stem cell biology to cancer therapeutics**
Anna Bigas, Institut Hospital de la Mar d'Investigacions Mèdiques (IMIM), Barcelona
- 13:30-14:00 **OFFICIAL OPENING**
- 14:00-15:00 **Lunch** 🍴
- 15:00-16:00 **Poster discussion**
- 16:00-17:35 **SESSION 2:**
TUMOUR CELL DORMANCY AND PLASTICITY
Chairs: Ana Janic, Universitat Pompeu Fabra, Barcelona
Daniel Peeper, Netherlands Cancer Institute, Amsterdam
- 16:00-16:30 **Immunity in context: Tissue-specific innate immune barriers to metastasis**
Ana Luisa Correia, Champalimaud Foundation, Lisboa (Portugal)
- 16:30-16:55 **Modulating cell dormancy to overcome cancer persistence**
Héctor García Palmer, Vall d'Hebron Institut d'Oncologia, Barcelona
- 16:55-17:20 **Biomaterials in cancer dormancy and metastasis**
Amaia Cipitria, Biodonostia Health Research Institute, San Sebastián
- 17:20-17:35 **A palmitate-rich metastatic niche promotes metastasis formation via NF-κB acetylation**
Patricia Altea, VIB-KU Leuven (Belgium)
- 17:35-18:00 **Coffee break** ☕

18:00-18:30

Flash talks

Development of a tumor-site independent multiomic model of neuroendocrine neoplasias with potential clinical use

Carlos Carretero, Fundación de Investigación Biomédica Hospital 12 de Octubre, Madrid

RAS-PI3K signaling in CAFs controls activation and mechanical properties of CAFs to promote KRAS-driven lung cancer progression

Marta Alcón, Centro de investigación del Cáncer (CIC), Salamanca

The oncogenic role of hedgehog pathway co-receptors in habdomyosarcoma

Patricia Zarzosa, Vall d'Hebron Institut de Recerca, Barcelona

Study of ferroptosis transmission by small extracellular vesicles in epithelial ovarian cancer cells

Juan Antonio Fafian, CICA-UDC-INIBIC, A Coruña

Molecular and microenvironmental factors driving tumor and immune single cell behavior: understanding and improving cancer immunotherapy

Maria Alieva, Prinses Maxima Centrum, Utrecht (Netherlands)

18:30-19:30

Poster discussion



THURSDAY, 17th NOVEMBER

09:00-10:35

SESSION 3:

TUMOUR- MICROENVIRONMENT CROSSTALK

Chairs: Ana Isabel Cuenda, Centro Nacional de Biotecnología – CSIC, Madrid

Miguel Fernández de Sanmamed, Centro de Investigación Médica Aplicada (CIMA), Pamplona

09:00-09:30

Decoding the role of the tumour microenvironment in immune evasion and therapeutic resistance through multi-dimensional spatial analysis and data integration

Kurt Schalper, Yale School of Medicine, New Haven (USA)

09:30-9:55

Deciphering mechanisms of response and resistance to treatments in luminal breast tumours

Antoni Hurtado, Centro de Investigación del Cáncer, Salamanca

9:55-10:20

Neoplastic co-option of epigenetic plasticity and epithelial-immune interactions

Direna Alonso, Institut de Recerca Biomèdica, Barcelona

FERO ASEICA 2021 award

10:20-10:35

Targeting Brain Macrophages to Block Melanoma Brain Metastases and improve responses to immunotherapies

Francisco Javier Rodríguez Baena, Instituto de Neurociencias CSIC-UMH, San Juan de Alicante

10:35-11:00

Poster viewing and coffee break ☕

11:00-13:00

SESSION 4:

IMAGING AND MONITORING TUMOUR BURDEN

Chairs: Fernando Calvo, Instituto de Biomedicina y Biotecnología de Cantabria (IBBTEC), Santander

Roger Gomis, Institut de Recerca Biomèdica (IRB), Barcelona

11:00-11:30

Intravascular cues shape tumor metastasis

Jacky G. Goetz, Centre de Recherche en Biomédecine de Strasbourg (France)

11:30-11:55

Multiscale microscopy to understand systemic cancer immunotherapy

Bettina Weigelin, University of Tübingen (Germany)

- 11:55-12:20 **Multi-dimensional imaging of breast tumour initiation: how does healthy tissue structure prevent tumour formation?**
Colinda Scheele, Katholieke Universiteit Leuven (Belgium)
- 12:20-12:45 **Artificial intelligence-based radiomics and liquid biopsy as tools to identify minimal residual disease and develop a targeted approach to colorectal cancer**
Noelia Tarazona, Instituto de Investigación Sanitaria INCLIVA, Valencia
- 12:45-13:00 **Imaging Lipid peroxidation in prostate cancer and its microenvironment**
Isabel Quirós, Universidad de Oviedo
- 13:00-14:00 **Lunch break ☕**
- 14:00-15:00 **Poster discussion**
- 15:00-17:15 **SESSION 5:
PRECISION IMMUNOTHERAPY**
Chairs: Mónica Álvarez Fernández, Instituto de Investigación Sanitaria el Principado de Asturias (ISPA), Oviedo
Jon Zugazagoitia, Hospital Universitario 12 de Octubre, Madrid
- 15:00-15:45 **Identifying new immunotherapeutic strategies by studying checkpoint blockade resistance**
Thomas F. Gajewski, University of Chicago Medicine (USA)
- 15:45-16:10 **Increased proteasome activity defines exhausted T cells in the tumour microenvironment**
Asís Palazón, CIC bioGUNE, Derio
- 16:10-16:35 **CAR-T for the treatment of non-Hodgkin's lymphomas**
María Liz Paciello, Hospital Universitario 12 de Octubre, Madrid
- 16:35-17:00 **Molecular triggers of the abscopal effect by radiotherapy**
María Rodríguez-Ruiz, Clínica Universidad de Navarra, Pamplona
- 17:00-17:15 **Multifunctional nanoparticles for the intracellular delivery of therapeutic antibodies against mutant KRAS protein**
Lucía Sanjurjo, Fundación Instituto de Investigación Sanitaria de Santiago de Compostela (IDIS)
- 17:15-18:15 **Coffee break and Poster discussion ☕**



- 18:15-19:10 **SPECIAL LECTURES from +queuntrail, Asociación Española Contra el Cáncer, Cris Contra el Cáncer and FERO awardees**
Chairs: María Muñoz Caffarel, IIS Biodonostia, San Sebastián
Toni Celià-Terrassa, Institut Hospital del Mar d'Investigacions Mèdiques, Barcelona
- 18:15-18:25 **Deciphering and targeting unfolding protein response in high-grade B cell lymphoma**
Ana Ortega, Centro de Biología Molecular Severo Ochoa (CBMSO), Madrid
+QUEUNTRAIL ASEICA 2021 award
- 18:25-18:30 **Presentación de AECC**
- 18:30-18:40 **The impact of structural variation on the 3D cancer genome**
Jose M. C. Tubio, Centro de Investigación en Medicina Molecular y Enfermedades Crónicas (CIMUS), Santiago de Compostela
- 18:40-18:45 **Presentación de Cris contra el Cáncer**
- 18:45-18:55 **Omic-wide colorectal cancer risk: deciphering the missing heritability**
Ceres Fernández Rozadilla, Instituto de Investigación de Santiago (IDIS), Santiago de Compostela
- 18:55-19:00 **Presentación de Fero**
- 19:00-19:10 **Lights and shadows for the clinical implementation of the liquid biopsy in gastrointestinal stromal tumor**
César Serrano, Hospital Universitari Vall d'Hebron, Barcelona
- 19:15-20:30 **ASEICA ASSEMBLY**



FRIDAY, 18th NOVEMBER

09:00-10:20

SESSION 6:

NEW FRONTIERS IN TREATMENT/PRECISION MEDICINE (I)

Chairs: Elena Castro, Instituto de Investigación Biomédica de Málaga
Anna Christina Obenauf, Research Institute of Molecular Pathology,
Vienna (Austria)

09:00-09:30

Impact of the tumour microenvironment on immunotherapy

Joan Seoane, Vall d'Hebron Instituto de Oncología, Barcelona

09:30-09:55

Why and how to implement a precision oncology program?

Santiago Ponce, Institut Gustave Roussy, Villejuif (France)

09:55-10:20

A journey towards the identification of novel therapeutical strategies for advanced cholangiocarcinoma with IDH1 mutations

Tian Tian, Vall d'Hebron Institut d'Oncologia, Barcelona

10:20-10:45

Coffee break ☕

10:45-11:50

SESSION 6:

NEW FRONTIERS IN TREATMENT/PRECISION MEDICINE (II)

Chairs: Elena Castro, Instituto de Investigación Biomédica de Málaga
Anna Christina Obenauf, Research Institute of Molecular Pathology,
Vienna (Austria)

10:45-11:10

Uncovering the role of Flavin-containing monooxygenase 4 in lung adenocarcinoma: a new protector against oxidative damage

Antonio Maraver, Institut de Recherche en Cancérologie de Montpellier (France)

11:10-11:35

New mechanisms of action in the treatment of lung cancer: Bispecific antibodies and their relationship with the immune response

Antonio Calles, Hospital General Universitario Gregorio Marañón, Madrid

11:35-11:50

Signature-Driven repurposing of midostaurin (PKC412) for combination with MEK1/2 and KRASG12C inhibitors in lung cancer

Irati Macaya, Centro de Investigación Médica Aplicada (CIMA), Pamplona

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11:50-12:30

ASEICA AWARDS:

Premio ASEICA de Investigación en Cáncer

Presented by: Luis Paz-Ares, Hospital Universitario 12 de Octubre, Madrid

Premio ASEICA Mujer

Presented by:

Gema Moreno, Universidad Autónoma de Madrid & Fundación MD Anderson, Madrid

Marisol Soengas, Centro Nacional de Investigaciones Oncológicas-CNIO, Madrid

Premio ASEICA al Talento Investigador Joven Básico

Presented by: Verónica Torrano, Universidad del País Vasco, Derio

Premio ASEICA al Talento Investigador Joven Clínico

Presented by: Ignacio Durán, Hospital Universitario Marqués de Valdecilla, Santander

Premio ASEICA al Compromiso Social

Presented by: Xosé Bustelo, Centro de Investigación del Cáncer, Salamanca

12:30-12:45

RESEARCH GRANTS: FERRO-ASEICA and +QUEUNTRAIL-ASEICA

12:45-13:00

AWARDS FOR THE BEST POSTER AND ORAL COMMUNICATION

Sponsored by:

EACR European Association
for Cancer Research

13:00-13:45

CLOSING LECTURE

Chairs: Luis Paz-Ares, Hospital Universitario 12 de Octubre, Madrid

13:00-13:45

Cell plasticity trajectories in tumour evolution

Ángela Nieto, Instituto de Neurociencias (CSIC-UMH), Sant Joan d'Alacant

13:45-14:00

CLOSING and FAREWELL

Luis Paz-Ares, Hospital Universitario 12 de Octubre, Madrid

Marisol Soengas, Centro Nacional de Investigaciones Oncológicas-CNIO, Madrid



NOTES

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