

EACR

European Association  
for Cancer Research

CONFERENCES

[www.eacr.org](http://www.eacr.org)

EACR Conference  
**Cancer  
Neuroscience**

14-16 October 2025 | Bilbao, Spain

**Scientific Programme Committee**

Frank Winkler (Chair)  
Barbara Marte

Michelle Monje  
Erica Sloan

Scan the QR code to access online conference  
resources, including speaker and poster abstracts

[eacr.org/conference/cancerneuroscience2025](http://eacr.org/conference/cancerneuroscience2025)



# EACR onsite team



**Chris Iliffe**  
Conference Officer



**Kathryn Wass**  
Conferences Manager



**Alexandra Boitor**  
Scientific Manager



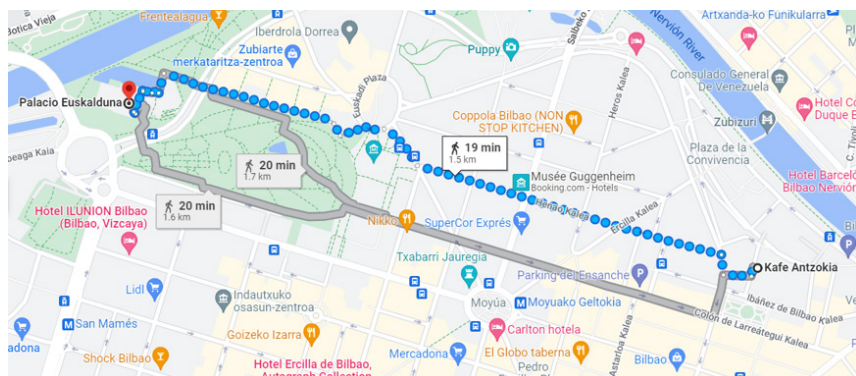
**Sam Kirk**  
Communications and  
Social Media Coordinator

## Conference dinner

**Optional ticketed event [SOLD OUT]**  
**Wednesday 15 October, 20:00**

The Conference Dinner will take place at Kafe Antzokia's Restaurant. It will be an excellent opportunity for participants and speakers to get to know each other in a relaxed and informal environment. After dinner, we will enjoy music and dancing with a live DJ.

Kafe Antzokia's Restaurant: Done Bikendi Kalea, 2, 48001 Bilbo, Bizkaia, Spain



## 8 top speakers:

Benoit Bilanges  
Eunice Cho  
Vesselina Cooke  
Matheus Dias

Andrew Intlekofer  
Markus Muschen  
Kimberly Stegmaier  
Arun Unni

### A fundamentally different perspective on ways to treat cancer

Explore a seemingly paradoxical approach to cancer therapy, based on the deliberate hyperactivation of cancer-relevant signalling pathways.

- Drugs that activate oncogenic signalling
- Vulnerabilities of cancer cells that experience hyperactivation
- Resistance to hyperactivation drugs
- Finding novel targets for hyperactivation therapy

EACR Conference

## OVERACTIVATION OF ONCOGENIC SIGNALLING AS A POTENTIAL CANCER TREATMENT STRATEGY

Virtual event | 20 - 21 January 2026

[eacr.org/conferences](https://eacr.org/conferences)

## EACR Conference THE TUMOUR ECOSYSTEM

From Mechanisms to  
Novel Therapeutics

17 - 19 March 2026, Bergamo

[eacr.org/conferences](https://eacr.org/conferences)

## 15 top speakers including:

Johanna Joyce  
Anna Obenauf  
Erik Sahai  
Ilaria Malanchi

Yardena Samuels  
Jacco van Rheenen  
Ashani Weeraratna  
Andrea Schietinger

Explore cutting-edge  
research and its  
implications for novel  
cancer therapies

- The role of inflammation and immunity in tumour progression and metastasis.
- Tumour-host interactions in response to therapy.
- Cancer interactions with the nervous system.
- Organ-specific metastatic niches.



## 8 top speakers:

Cassandra Burdziak	Eduard Batlle
Frederic de Sauvage	Mark Dawson
Raphael Rodriguez	Ilaria Malanchi
Direna Alonso-Curbelo	Adrienne A. Boire

### Counteracting the adaptive prowess of cancer cells

Explore the fundamental mechanisms that control cancer cell plasticity at multiple biological levels, including the epigenome, transcriptome, metabolome, and cellular microenvironment

- Metastasis
- Therapy resistance
- Tumour heterogeneity
- Non-genetic adaptations in cancer cells
- Tumour-microenvironment interactions
- Therapy resistance

## EACR Conference **CANCER CELL PLASTICITY:**

Cracking the Code of  
Adaptation and Survival

Virtual event | 02 - 03 December 2025

[eacr.org/conferences](https://eacr.org/conferences)

## EACR Conference **CANCER GENOMICS, MULTIOMICS & COMPUTATIONAL BIOLOGY**

12 - 14 May 2026, Essen

[eacr.org/conferences](https://eacr.org/conferences)

### 16 top speakers including:

Yardena Samuels	Andrea Sottoriva
Nuria Lopez-Bigas	Itay Tirosh
Nicholas McGranahan	Elaine Mardis
Jessica Zucman Rossi	Carlos Caldas

**A conference covering  
the full breadth of  
innovation transforming  
the field**

- Cancer genomics and epigenomics
- Single cell-resolved tumour analysis
- Machine learning and artificial intelligence
- Spatial biology and molecular pathology
- Cell tracking to monitor evolution and plasticity
- Cancer evolution and immune evasion



## Day 1 | Tuesday 14 October

Session 1  
posters can be  
put up

From 11:30

### REGISTRATION

12:00-13:00

### WELCOME REFRESHMENTS

*A chance to meet fellow attendees and enjoy a light buffet*

13:00-13:10

### CONFERENCE WELCOME

#### Scientific Programme Committee

13:10-13:40

Q&A: 13:40-13:55

### SESSION 1: NEURAL INFLUENCES ON CANCER CELLS

Chair: Frank Winkler

#### OPENING KEYNOTE LECTURE

**Michelle Monje** Stanford University, USA

'The Neuroscience of Brain Cancers'

13:55-14:15

Q&A: 14:15-14:25

**Varun Venkataramani** University of Heidelberg, Germany

'Characterizing and targeting glioblastoma neuron-tumor networks with retrograde tracing'

14:25-14:35

Q&A: 14:35-14:40

**Matteo Bergami** University Hospital Cologne, Germany

Proffered Paper 1: 'Functional synapses between small cell lung cancer and glutamatergic neurons'

14:40-14:50

### EXHIBITOR INTRODUCTIONS

14:50-15:20

### COFFEE, EXHIBITION AND SOLO MEET-UP

*Solo travellers are invited to meet up at the EACR banner to connect with fellow adventurers*

15:20-15:40

Q&A: 15:40-15:50

**Humsa Venkatesh** Harvard Medical School, USA

[Remote presentation] 'Neural Communication Axes in Small Cell Lung Cancer'

15:50-16:10

Q&A: 16:10-16:20

**Vera Thiel** DKFZ, Germany

'Trace-Me(tastasis)-if-you-CAN (Cancer-Associated-Neurons): Unravelling how cancer-associated neurons shape the tumor microenvironment'

16:20-16:30

Q&A: 16:30-16:35

**Karen Sleiman** IBDM, France

Proffered Paper 2: 'Matrix stiffness and its impact on cancer innervation'

16:35-16:45	<b>MOLECULAR ONCOLOGY: CALL FOR CONTENT</b>
16:45-16:55	<b>POSTER SPOTLIGHTS</b> <i>Posters 1, 30 and 60 will be presented in 3-minute 'flash talks'</i>
16:55-17:45	<b>MEET THE SCIENTIFIC PROGRAMME COMMITTEE</b> An informal session where the organisers for the conference will share their own personal and professional experiences of their path to scientific leadership.
17:45-18:15	 <b>WELCOME RECEPTION BUFFET AND DRINKS</b>
18:15-19:45	<b>POSTER DISCUSSION SESSION 1</b> <i>Presenters of posters 1-65 should stand by their boards.</i>

## Day 2 | Wednesday 15 October

08:15-08:45	 <b>EARLY POSTER VIEWING WITH COFFEE</b>
08:45-09:00	<b>BIOMODAL INDUSTRY SPOTLIGHT</b> <b>Leonardo Motta</b> biomodal 'The 6-base genome as a tool to reveal novel biomarkers and mechanistic insight in cancer neuroscience'
09:00-09:20 Q&A: 09:20-09:30	<b>SESSION 2: NEURAL INFLUENCES ON THE TUMOUR ENVIRONMENT</b> Chair: Michelle Monje <b>Erica Sloan</b> Monash University, Australia 'Neural-tumour crosstalk drives breast cancer metastasis and impairs treatment response'
09:30-09:40 Q&A: 09:40-09:45	<b>Anastasia Maria Zavitsanou</b> Columbia University, USA Proffered Paper 3: 'Investigating how lung cancer alters behavior via regulating the internal sensory system'
09:45-10:05 Q&A: 10:05-10:15	<b>Sebastien Talbot</b> Queen's University, Canada 'Nociceptor neurons impact anti-tumor immunity'
10:15-10:35 Q&A: 10:35-10:45	<b>Linda Douw</b> Amsterdam UMC, Netherlands 'Multiscale network neuroscience in neuro-oncological patients: from cell to circuit to cognition'
10:45-11:15	 <b>COFFEE BREAK &amp; EXHIBITION</b>
11:15-11:45	<b>MEET THE EDITORS</b> Join us in this session led by Barbara Marte, Senior Editor at Nature (UK), to hear advice and insight about being an editor.

Take down  
session 1  
posters

Session 2  
posters can be  
put up



11:45-11:55 Q&A: 11:55-12:00	<b>Meike Thijssen</b> Maastricht UMC, Netherlands Proffered Paper 4: 'Adrenergic Signaling affects Tumor-associated B cell Maturation in Colorectal Cancer'
12:00-12:10	<b>POSTER SPOTLIGHTS</b> <i>Posters 70, 100 and 120 will be presented in 3-minute 'flash talks'</i>
12:10-12:30 Q&A: 12:30-12:40	<b>LUNAPHORE SYMPOSIUM</b> <b>Müge Akpınar-Puchalla</b> (Lunaphore) <b>Daniel Azorín</b> (ETH Zurich) 'Spatial Multiomics for Cancer Neuroscience: Mapping Neuron-Tumor Interactions in Glioblastoma and Other Tumors'
12:40-13:30	 <b>LUNCH BREAK</b> <i>light refreshments will be served</i>
13:30-15:00	<b>POSTER DISCUSSION SESSION 2</b> <i>Presenters of posters 66-131 should stand by their boards.</i>  <b>SESSION 3: INFLUENCES OF CANCER ON THE NERVOUS SYSTEM</b> Chair: Barbara Marte <b>Timothy Wang</b> Columbia University, USA 'Nociceptive neurons interact directly with gastric cancer cells via a CGRP/Ramp1 axis to promote tumour progression'
15:00-15:20 Q&A: 15:20-15:30	<b>Valentina Lind</b> University College London, UK Proffered Paper 5: 'Glioblastoma neural activity maps to a prognostic human brain network'
15:45-16:05 Q&A: 16:05-16:15	<b>EANO SPEAKER</b> <b>Manuel Valiente</b> CNIO, Spain 'Molecular and cellular rationale underlying the heterogeneous impact of metastases on brain activity'
16:15-16:45	 <b>COFFEE BREAK &amp; EXHIBITION</b>
16:45-17:05 Q&A: 17:05-17:15	<b>Benjamin Deneen</b> Baylor College, USA 'Decoding the Language of Brain Tumor and Neuron Communication'
17:15-17:35 Q&A: 17:35-17:45	<b>Shawn Hervey-Jumper</b> UCSF, USA 'A Multiscale Framework for Neuromodulation in Glioma-Infiltrated Cortex'
17:45-18:45	<b>PANEL DISCUSSION</b> Discussing the biggest questions about the future technologies and therapies of cancer neuroscience.

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20:00



## OPTIONAL CONFERENCE DINNER [SOLD OUT]

*Join us for traditional Basque cuisine at Kafe Antzokia Restaurant. After dinner, we will enjoy music and dancing with a live DJ (separate ticketed event).*

## Day 3 | Thursday 16 October

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08:15-08:45



## EARLY POSTER VIEWING WITH COFFEE

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08:45-09:00

## CELL SIGNALING TECHNOLOGY SPOTLIGHT

**Maxime Jacquet** Cell Signaling Technology  
'From Chimeric Antibodies to SignalStar™: CST's Innovative Solutions for Cancer Neuroscience Research'

09:00-09:20

Q&A: 09:20-09:30

## SESSION 4: CANCER-INTRINSIC NEURAL MECHANISMS

Chair: Erica Sloan

**Frank Winkler** DKFZ, Germany

'Neural influences on brain tumor progression and therapy resistance: from fundamental insights to clinical trials'

09:30-09:50

Q&A: 09:50-10:00

**Itay Tirosh** Weizmann Institute, Israel

'Cancer cell states and their neuronal associations'

10:00-10:10

Q&A: 10:10-10:15

**Melina Müller** University Hospital Heidelberg, Germany

Proffered Paper 6: 'KCa3.1 inhibition increases antitumor effects of radiotherapy in glioblastoma models'

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10:15-10:45



## COFFEE BREAK & EXHIBITION

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10:45-10:55

Q&A: 10:55-11:00

**Sofia Micheli** Institute of Anatomy, Switzerland

Proffered Paper 7: 'Peripheral glia drive the initiation of cutaneous squamous cell carcinoma'

11:00-11:20

Q&A: 11:20-11:30

**Leanne Li** Francis Crick Institute, UK

'Genetically engineered mouse models in cancer neuroscience research'

11:30-12:00

Q&A: 12:00-12:15

## THE EMBO CLOSING KEYNOTE LECTURE

**Doug Hanahan** EPFL, Switzerland

'The neuronal RNA-binding protein FMRP is a master regulator of the immuno-evasive tumor microenvironment'

12:15

## SUMMARY, AWARDS AND DEPART

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GET  
UPDATES:  
[eacr.org/congress](http://eacr.org/congress)

Annual Congress of the

# EACR 2026

08 - 11 June | Budapest

Innovative Cancer Science

European Association for Cancer Research

**OUTSTANDING  
SCIENCE IN A  
WELCOMING  
ENVIRONMENT**

**GREAT NETWORKING  
OPPORTUNITIES  
WITH 2000+ CANCER  
RESEARCHERS**

**98% OF  
PARTICIPANTS  
WOULD  
RECOMMEND**

## SESSION TOPICS INCLUDE:

- Advances in Clinical Trial Design
- Cancer and RNA modifications
- Cancer Immunology and Immunotherapy
- Cancer Initiation
- Cancer Prevention
- Cell Cycle Regulation

- Cell Death Mechanisms
- Functional Genomics
- Genomic Instability
- Immune Activation beyond T cells
- Mechanisms of Tumour Metastasis
- Novel Cancer Models
- Plasticity and Non-genetic

- Cancer Evolution
- Spatial Tumour Biology / Tumour Heterogeneity at the Single Cell Level
- Tumors are Ecosystems: New insights on the Tumor Microenvironment
- Tumour Innervation
- Tumour Macroenvironment (cachexia, metabolics)

# Travel grants

More information about EACR grants: [eacr.org/travel-grant](https://eacr.org/travel-grant)

**EACR-Worldwide Cancer Research Travel Grants** provide funds to help early-career EACR members and researchers based in low- or middle-income economy countries to participate in our conferences.

Congratulations to the recipients of the Travel Grants for this conference. Each recipient received a full registration free of charge and funds to assist with travel and accommodation costs.

- **NEDIM CAN ÇEVİK** TURKEY
- **JAI SIDPRA** UK
- **SOFIA MICHELI** SWITZERLAND
- **MEIKE THIJSEN** NETHERLANDS
- **MELINA MÜLLER** GERMANY

worldwide  
cancer  
research

EACR

European Association  
for Cancer Research

## Supporters

Our thanks to the following partners for supporting us in promoting this conference:

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Journal



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& Mechanisms

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Experimental  
Medicine

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We would also like to thank the following grant providers:

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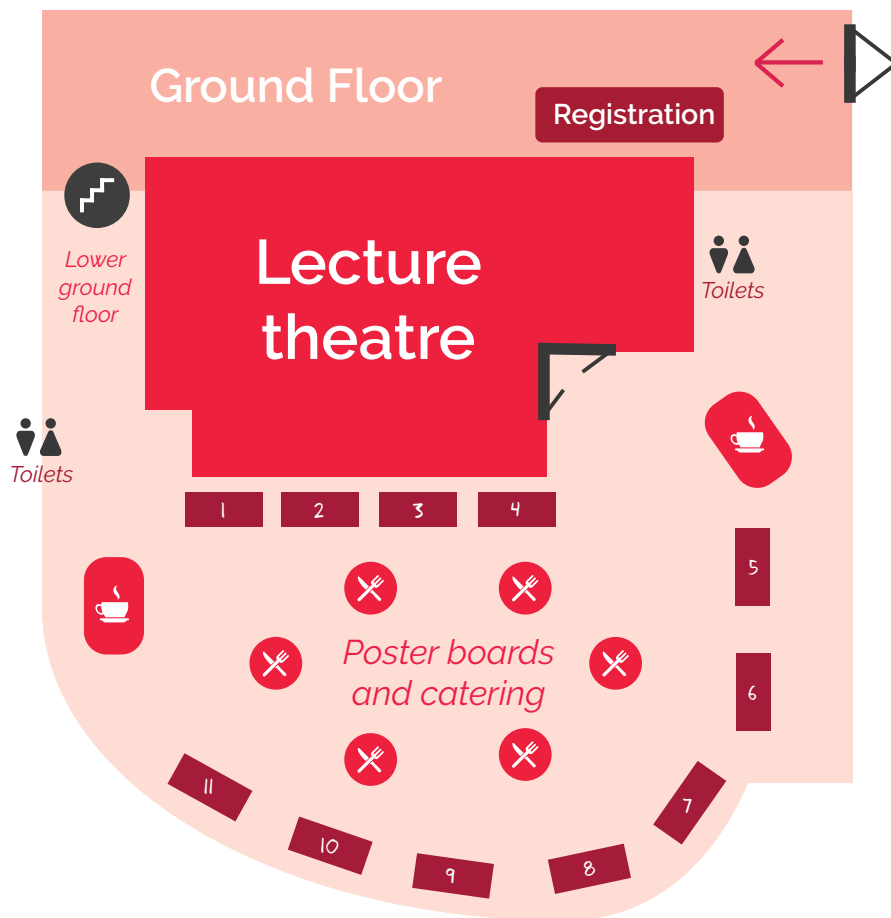
EMBO

This activity has been supported by a grant from F. Hoffman-La Roche Ltd, which has had no control over the educational content of this activity.



# Venue floor plan

*Main entrance*



## Exhibitors

1. MedChemExpress
2. VectorBuilder
3. Cell Signaling Technology
4. biomodal
5. Lunaphore

6. Tessa Jowell Brain Cancer Mission
7. Lucid Scientific
8. SYSY Antibodies
9. Olink
10. Hello Bio
11. Don Whitley Scientific

# Meet the exhibitors

**MedChemExpress** Stand: 1  
**Website:** [www.medchemexpress.com](http://www.medchemexpress.com)  
**Represented at the conference by:**  
Cristina Peral, Jordi Remero



**VectorBuilder** Stand: 2  
**Website:** [www.vectorbuilder.com](http://www.vectorbuilder.com)  
**Represented at the conference by:**  
Sandra Akpe



**Cell Signaling Technology** Stand: 3  
**Website:** [www.cellsignal.com](http://www.cellsignal.com)  
**Represented at the conference by:**  
Maxime Jacquet, Flora Guarnotta,  
Maria Rifé, Miriam Gomes



**Spotlight:** Thursday 16 October, 08:45-09:00  
Maxime Jacquet PhD: 'From Chimeric Antibodies to SignalStar™: CST's Innovative Solutions for Cancer Neuroscience Research'

**biomodal** Stand: 4  
**Website:** [www.biomodal.com](http://www.biomodal.com)  
**Represented at the conference by:**  
Dirk Bartels, Leonardo Motta, Tom Charlesworth



**Spotlight:** Wednesday 15 October, 08:45-09:00  
Leonardo Motta PhD: 'The 6-base genome as a tool to reveal novel biomarkers and mechanistic insight in cancer neuroscience'

**Lunaphore** Stand: 5  
**Website:** [www.lunaphore.com](http://www.lunaphore.com)  
**Represented at the conference by:**  
Müge Akpınar, Euplio Visco, Giulia Boniardi



**Symposium:** Wednesday 15 October, 12:10-12:40  
Müge Akpınar-Puchalla PhD (Lunaphore) and Daniel Azorin (ETH Zurich):  
'Spatial Multiomics for Cancer Neuroscience: Mapping Neuron-Tumour Interactions in Glioblastoma and Other Tumors'



## **Tessa Jowell Brain Cancer Mission**

**Stand:** 6

**Website:** [www.tessajowellbraincancermission.org](http://www.tessajowellbraincancermission.org)

**Represented at the conference by:**

Charlotte Aitken



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## **Lucid Scientific** Stand: 7

**Website:** [www.lucidsci.com](http://www.lucidsci.com)

**Represented at the conference by:**

Mike Lu



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## **SYSY Antibodies** Stand: 8

**Website:** [www.sysy.com](http://www.sysy.com)

**Represented at the conference by:**

Roser Ufartes, Carsten Schmidt



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## **Olink** Stand: 9

**Website:** [www.olink.com](http://www.olink.com)

**Represented at the conference by:**

Kay Wiebrands, Pilar Lara Lopez



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## **Hello Bio** Stand: 10

**Website:** [www.hellobio.com](http://www.hellobio.com)

**Represented at the conference by:**

Daria Dolecka



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## **Don Whitley Scientific** Stand: 11

**Website:** [www.dwscientific.com](http://www.dwscientific.com)

**Represented at the conference by:**

Charlie Murray, Libby Hawksworth



# Proffered paper and poster index

View abstracts when logged in at [www.eacr.org/conference/cancerneuroscience2025](http://www.eacr.org/conference/cancerneuroscience2025)

## Poster Spotlight session 1: Tuesday, 16:45 | Also as posters on Tuesday

1 Regional functional connectivity shapes neuron-glioma interactions in oligodendroglioma Presented by Sena Oten, University of California, San Francisco, USA

30 Characterizing innervation in patients with high-grade serous ovarian cancer Presented by Mirela Perla, University Medical Center Groningen, NETHERLANDS

60 Tumor Cell Neural Mimicry Orchestrates Neural Invasion in Pancreatic Ductal Adenocarcinoma: Insights of a Multiomic Approach Presented by Carmen Mota Reyes, Klinik und Poliklinik für Chirurgie, Klinikum rechts der Isar and German Cancer Consortium (DKTK), Munich, GERMANY

## Poster Spotlight session 2: Wednesday, 12:00 | Also as posters on Wednesday

70 A prognostic human brain network for diffuse midline glioma Presented by Jai Sidpra, University College London, UK

100 Activity-Dependent Glutamatergic Synaptic Signaling Drives Brain Metastasis Proliferation Presented by Tara Moghiseh, German Cancer Consortium (DKTK), DKFZ, Heidelberg, GERMANY

120 Neuro-immune regulation of metastatic breast cancer dormancy in the liver Presented by Andreia Gonçalves, Champalimaud Centre for the Unknown and ITQB NOVA University Lisbon, PORTUGAL

## Poster presentations session 1: Tuesday, 18:15 - 19:45

2 Epigenetic switching and transcription factors deregulation contribute to aberrant differentiation in high-risk medulloblastoma Presented by Luana Abballe, IRCCS, Rome, ITALY

3 SPOCD1 Controls Mesenchymal Reprogramming of Glioblastoma Stem Cells Presented by Adriana Aguila Cordova, McGill University, Montreal, CANADA

4 Uncovering the contribution of RNA-misprocessing in glioblastoma for the development of novel therapeutic strategies Presented by Josune Martinez de Mara  n, Biogipuzkoa Health Research Institute, Donostia, SPAIN

5 Pulmonary breast cancer metastasis induces local neuroplasticity Presented by Mia Lin Amato, CSHL Cancer Center and Cold Spring Harbor Laboratory, NY, USA

6 3D In Vitro Glioma-Neuron-Astrocyte Biomimetic Composites Recapitulate Key Molecular Mechanisms Linked to Glioblastoma Multiforme Pathophysiology Presented by Mateo Andrade, University Hospital W  rzburg, GERMANY

7 A Matrix Therapy to counteract the early radiation-induced brain injury in rats Presented by Manon Audebert, Universit   de Caen Normandie, CNRS, Caen, FRANCE

8 Investigating the Role of Sensory Neuron-Cancer Cell Interactions in Breast Cancer Metastasis Presented by Ne  e Aysit, Istanbul Medipol University, TURKEY

9 IGF1 Microglia Drive Diffuse Midline Glioma Proliferation: Identifying Therapeutic Vulnerabilities in the Developing Brainstem Presented by Austeja Baleviciute, Karolinska Institute, Stockholm, SWEDEN and University College Cork, IRELAND

- 10 Structural Characterization of AMPAR-Mediated Synapses Between Neurons and Human Brain Metastases Using Super-Resolution Microscopy Presented by Malin Bautz, German Cancer Consortium (DKTK), DKFZ, Heidelberg, GERMANY
- 11 Inhibition of RNA-Binding Protein HuR as a Promising Approach in Glioblastoma Therapy Presented by Martina Bedeschi, IRCCS-IRST, Meldola and Università di Bologna, ITALY
- 12 Neural function of Netrin-1 in precancerous lesions of the pancreas Presented by Anaïs Bellon, Aix-Marseille University, Marseille, FRANCE
- 13 Neural Cues Governing Disseminated Tumor Cells Dormancy and Reactivation in Metastatic Organs Presented by Paloma Bragado Domingo, Complutense University of Madrid and Hospital Clínico San Carlos, Madrid, SPAIN
- 14 Pericytes orchestrate a tumor-suppressive microenvironment by impinging on the crosstalk between macrophages and tumor-initiating cells in glioblastoma Presented by Sebastian Braun, Lund University, SWEDEN
- 15 Neuroblastoma Cells Integrate into the Peripheral Nervous System Network Through Functional Synaptic Interactions Presented by Barbara Braz, Cancer Research Center of Lyon, FRANCE
- 16 In Vitro Modeling of the Tumor–Brain Interface to Investigate Post-Surgical Glioblastoma Progression Presented by Tristan Briot, Université de Lorraine, Villers-lès-Nancy, FRANCE
- 17 Glioblastoma cell-derived secreted proteins regulate invasion and neuronal integrity Presented by Tanja Buhlmann, Goethe University Hospital, Frankfurt, GERMANY
- 18 The role of Pcdh9 in adult neural stem cells in the context of glioblastoma formation Presented by Andrzej Cwetsch, Universidad de Valencia, SPAIN
- 19 Impact of METTL1 in Glioblastoma development and intratumoral immune response Presented by Aurora Campos Diaz, University of Salamanca, SPAIN
- 20 Adrenergic Signals Influence Proteomic Responses in Breast Cancer Cells Presented by Manuel Carrasco, University of Bergen, NORWAY
- 21 NMDAR1A-driven neuro-immune crosstalk underlies pain and tissue pathology in pancreatic cancer and chronic pancreatitis Presented by Nedim Can Çevik, Acibadem University and Yeditepe University, Istanbul, TURKEY
- 22 Integrated Transcriptomic Atlas of 1.4 million Cells Reveals Conserved and Divergent Molecular Programs in Pan-Cancer Brain Metastases Presented by Debojyoti Chowdhury, University of Southern Denmark, Odense, DENMARK
- 23 Exploring the mutual influence of neurons and cancer in humans Presented by Terarina Chung Shing, Institute of Developmental Biology of Marseille and Aix Marseille University, FRANCE
- 24 Overcoming glioblastoma resistance by targeting its heterogeneity with a synergistic approach: A preclinical study Presented by Francesca Cianci, Università di Milano, ITALY
- 25 Adhesion of cancer cells to Schwann cells leads to metabolic adaptations with increased glutamine synthetase activity Presented by Kaan Cifcibasi, Technical University of Munich, GERMANY
- 26 Neuro-Inspired ECM Scaffolds: A Novel Tool for Investigating Glioma Progression Presented by Claudia Cocchi, IRCCS Istituto Romagnolo Per Lo Studio Dei Tumori (IRST) "Dino Amadori", Meldola, ITALY

- 27 Understanding the role of pro-tumour astrocytes in the glioblastoma growth and malignancy Presented by Erika Coletto, IRCCS San Camillo, Venice Lido, ITALY
- 28 Chemogenetic Modulation of Enteric Neurons and Glia Drives Gut Immunity Toward a Tumor-Permissive Landscape Presented by Linde Coolkens, Maastricht University Medical Center, NETHERLANDS
- 29 YWHAG Silencing Impairs Glioblastoma Cell Proliferation and Migration: Implications for Tumor-Neural Crosstalk and Therapeutic Targeting Presented by Marta Costa, B-ARGO (IGTP), BADALONA, SPAIN
- 31 A Multiomics Workflow to Study the Spatio-Temporal Dynamics of Neuron-Tumor Networks Presented by Daniel Domínguez Azorín, ETH Zurich, Basel, SWITZERLAND
- 32 A machine learning predictive model of aphasia in patients with diffuse glioma using radiomic, molecular, and clinical features Presented by Abraham Dada, University of California, San Francisco, USA
- 33 Survival impact and predictive factors of epilepsy in glioblastoma patients Presented by Maria Dencker, Rigshospitalet, Copenhagen, DENMARK
- 34 Blockade of perioperative -adrenergic and prostaglandin signaling modulates tumor secretome and immunity to suppress metastasis Presented by Anabel Eckerling, Tel Aviv University, ISRAEL
- 35 Optogenetic modulation of breast cancer cells to study the functional consequences of spontaneous voltage fluctuations Presented by Dobrina Eneva, Imperial College London, UK
- 36 Reproducible 3D brain cancer models for more effective drug development Presented by Viola Erdelyi, PeptiMatrix Ltd., Nottingham, UK
- 37 Targeting C1TK in high-grade brain tumors: a comparison of polypharmacological and specific Inhibitors Presented by Alessia Ferraro, Neuroscience Institute Cavalieri Ottolenghi, Turin, ITALY
- 38 Pancreatic cancer risk at the interface of peripheral innervation and tissue regeneration Presented by Rute Ferreira, The Francis Crick Institute, London, UK
- 39 -adrenergic signaling blockade attenuates metastasis through activation of cytotoxic CD4 T cells Presented by Klaire Fjaestad, University of Copenhagen, DENMARK
- 40 Axonal injury is a targetable driver of glioblastoma progression Presented by Zán Florjanic Baronik, University College London, UK
- 41 Understanding the antitumoral impact of the G protein-coupled estrogen receptor expression on glioblastoma Presented by Alice Gantner, Université de Lorraine, Vandoeuvre-lès-Nancy, FRANCE
- 42 Hedgehog and Wntless/WNT Crosstalk: How GB Cells Manipulate Neuronal Signaling to Fuel Progression Presented by Clara Gavira O'Neill, Instituto de Salud Carlos III and CTB-UPM, Madrid, SPAIN
- 43 Modelling glioma stem cell plasticity and derived tumours hosted by normal brain cells Presented by Jon Gil Renedo, University of Plymouth, UK
- 44 The FAS receptor mediates neural invasion in pancreatic cancer Presented by Mara Goetz, Klinikum rechts der Isar, Technical University of Munich and University Medical Center Hamburg-Eppendorf, GERMANY



- 45 In vivo mesoscale imaging of cortical spontaneous activity in a mouse model of pediatric brain cancer Presented by Teresa Guillaumon-Vivancos, Cajal Institute, Madrid and Institute of Neuroscience, Alicante, SPAIN
- 46 Multiomic profiling of the therapeutic response to IDH1 mutant inhibitor using patient-derived diffuse low grade glioma cell lines Presented by Antonija Hanžek, Université de Montpellier, CNRS, INSERM, FRANCE
- 47 Investigating subtype-specific migration of patient-derived glioma cells in 3D matrix models Presented by Uzma Hasan, Tampere University, FINLAND
- 48 m6A RNA modifications as a mechanism for synaptic signaling in IDH-mutant gliomas Presented by Yvette Hayat, Institut du Cerveau, Paris, FRANCE
- 49 Calcium Oscillations Drive a Neural-Like Transcriptional Program in Brain Metastases Presented by Nils Hebach, German Cancer Consortium (DKTK), DKFZ and University Hospital Heidelberg, Heidelberg, GERMANY
- 50 Pro-tumoral Ca<sup>2+</sup> signaling is dependent on Ca-v1T and Slowpoke channels in Drosophila melanogaster glioma Presented by Judit Herreros, University of Lleida-IRBLleida, SPAIN
- 51 Deciphering molecular anomalies of Pacemaker cells in Glioblastoma Presented by Dirk Hoffmann, University Hospital Heidelberg and DKFZ, Heidelberg, GERMANY
- 52 Neuro-immune crosstalk in bladder cancer Presented by Luba Hunakova, Comenius University, Bratislava, SLOVAK REPUBLIC
- 53 Exploring multicellular interactions between glioblastoma and the brain: 3D in vitro models with integrated neuronal and vascular networks Presented by Lotta Isoaari, Tampere University, FINLAND
- 54 Spatial transcriptomic analysis of sensory neurons in murine pancreatic cancer reveals a potential role for neuron-mediated immune suppression in the tumor microenvironment Presented by Rouzanna Istvánffy, Technical University of Munich and German Cancer Consortium (DKTK), Munich, GERMANY
- 55 Spatially dissecting the molecular landscape of ER<sup>+</sup> breast cancer brain metastases Presented by Petra Jagušť, RCSI University of Medicine and Health Sciences, Dublin, IRELAND
- 56 Direct excitatory synapses between neurons and tumor cells drive brain metastatic seeding Presented by Matthia Karreman, University Hospital Heidelberg and German Cancer Research Center, Heidelberg, GERMANY
- 57 Study of the reciprocal interactions between IDH1 mutant diffuse low-grade glioma cells and neurons Presented by Kasandra Aguilar Cazarez, Montpellier University, FRANCE
- 58 3D Neuron-Cancer Co-cultures Reveal Neuronal Mimicry as a Driver of Metastasis in Cholangiocarcinoma Presented by Khalil Kass Youssef, Instituto de Neurociencias de Alicante (CSIC-UMH), Sant Joan d'Alacant, SPAIN
- 59 Dissecting Epileptogenic Glioma Networks Using Human Cerebral Organoids Presented by Oguzhan Kaya, Austrian Academy of Sciences, Vienna Biocenter (VBC), AUSTRIA
- 61 Nerves in the Kidney? An Exploration of the Innervation in Renal Cell Carcinoma Presented by Jaycey Kelly, Maastricht University Medical Center, NETHERLANDS
- 62 AK4 Drives Glioblastoma Radioresistance via Ferroptosis Inhibition Presented by Byeongsoo Kim, Pusan National University, Busan, SOUTH KOREA

63 Automated Python-Based Analysis for Cancer Pain Studies: Facilitating Behavioral and Cellular Data Workflows Presented by Eliza Kramarska, PORT Polish Center for Technology Development, Wroclaw, POLAND

64 The Silent Nociceptors as regulators of immune cells activity Presented by Ewelina Krzywinska, PORT Polish Center for Technology Development, Wroclaw, POLAND

65 Targeting KCa3.1 to disrupt tumor networks and improve radiotherapy effectiveness in glioblastoma Presented by Jonas Künzel, University Hospital Heidelberg and DKFZ, Heidelberg, GERMANY

#### Poster presentations session 2: Wednesday, 13:30-15:00

66 Expanding Conventional Type 1 Dendritic Cells to Mitigate Neurocognitive Sequelae Following Pediatric Brain Tumor Radiotherapy Presented by Sara Labiano Almiñana, CIMA Universidad de Navarra and IdisNA, Pamplona, SPAIN

67 From Data and Disease Silos to FAIR Access: (GEN-)BioDORA Platforms for Oncology and Neuroscience Precision Medicine Research Presented by Marjolein Lansbergen, Amsterdam UMC and Amsterdam Neurosciences, NETHERLANDS

68 Investigating the Role of AHR signaling for Neuron-Tumor Interactions in Glioblastoma Presented by Nikolas Layer, University Hospital Heidelberg, GERMANY

69 Slit/Robo signaling in glioblastoma invasion Presented by Teo Leboucq, Bordeaux Institute of Oncology, FRANCE

71 Mechanistic insights into transcriptional regulation identify a factor predictive of neuroblastoma survival Presented by Ordan Lehmann, University of Alberta, Edmonton, CANADA

72 Exploring Astrocyte-Driven Remodeling of the Tumor Microenvironment in a 3D Ex Vivo Cerebellar Medulloblastoma Model Presented by Meng-Syuan Lin, University Children's Hospital Zürich, SWITZERLAND

73 Exploring the crosstalk between breast cancer cells and peripheral neurons Presented by Tessa Lohr, University of Bergen, NORWAY

74 Characterization of the neuron-tumor interface in glioblastoma using spatial transcriptomics Presented by Gretchen Long, Yale University, New Haven, CT, USA

75 Born to Kill: Neurodevelopmental Cells as Renewable Targets in T Cell Therapy for Glioblastoma Presented by Caitland Love, University of Florida, Gainesville, USA

76 Evolution and interactions of malignant and TME cell states in a cohort of paired initial-recurrence IDH-mutant glioma tumour samples Presented by Anne-Marie Lyne, Institut Curie and INSERM U1331, Paris, FRANCE

77 Investigating radiotherapy effects on healthy brain using advanced 3D brain models Presented by Teresa Maria Ribeiro, Universidade de Lisboa, PORTUGAL

78 Crosstalk between stroke and glioma: ischemia-enhanced glioma infiltration Presented by Christine Madamba, Cancer & Cell Biology at Baylor College of Medicine and Texas Childrens Hospital, Houston, TX, USA

79 7-acetoxy-6-hydroxyroyleanone (Roy) targeted autophagy via modulation of AMPK- and mTOR-dependent signaling pathways, impairing tumor growth in glioblastoma cell models Presented by Mariana Magalhaes, University of Coimbra, PORTUGAL

80 AMPAR-Mediated Synaptic contacts in Brain Metastases Across Metastatic Stages Revealed by Expansion Microscopy Presented by Luca Mangherini, German Cancer Consortium (DKTK), DKFZ, Heidelberg, GERMANY and University of Turin, ITALY

81 Deciphering the antitumor effect of the Src inhibitory peptide TAT-Cx43266-275 in a murine model of glioblastoma resection Presented by Maria Martínez Fernández, Instituto de Neurociencias de Castilla y León (INCyL), Salamanca, SPAIN

82 Enteric Neuronal Innervation Shapes Lipidomic and Proteomic Landscape in Colorectal Cancer Presented by Lisa Mayrgrinther, Maastricht University Medical Center, NETHERLANDS

83 Role of innervation in thyroid cancer Presented by Mara Mazzoni, Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, ITALY

84 Neuroimmune regulation of metastatic cell fate Presented by Tamara McErlain, Karolinska Institutet, Stockholm, SWEDEN

85 Spatial Mapping of SIGLEC-10 Myeloid Cells as an Innate Immune Checkpoint in Glioblastoma Presented by Vinicio Melo Gallegos, Amsterdam UMC, Amsterdam, NETHERLANDS

86 Cell-cell communication in IDH-mutant gliomas: toward a better understanding of tumor heterogeneity and tumor-microenvironment crosstalk Presented by Emma Moliere, Institut Curie, Paris, FRANCE

87 TIM-3 inhibition enhances survival without neurological impairment in preclinical models of diffuse midline glioma Presented by Sandra Morales, Universidad de Navarra and CIMA, Pamplona, SPAIN

88 Mechanical Ablation of Glioblastoma Cells by Iron Oxide Nanoparticles Under Magnetic Field Stimulation Presented by Anastasija Neimane, University of Rome Tor Vergata, ITALY

89 Functional Networks in Primary Breast Cancer Presented by Christina Nürnberg, German Cancer Consortium (DKTK), DKFZ and University Hospital Heidelberg, Heidelberg, GERMANY

90 Elucidating malignant prostate cell interactions with nerves: A potential new target for cancer therapy Presented by Margherita Obinu, Dublin City University, IRELAND

91 Co-inhibition of tumor intrinsic and extrinsic regulators of glioblastoma network activity and tumor proliferation Presented by Erinne Cherisse Ong, DKFZ and University Hospital Heidelberg, Heidelberg, GERMANY

92 Activating GABA(A) Receptors to Potentiate Temozolomide for Glioblastoma Treatment Presented by Matthew Owusu, Univeristy of North Carolina, Chapell Hill, North Carolina, USA

93 DGKB-Mediated Lipid Metabolic Reprogramming Drives Radioresistance in Glioblastoma Presented by Sujin Park, Pusan National University, Busan, SOUTH KOREA

94 Creatine-Driven AMPK Activation by CKB Enhances Radioresistance in Glioblastoma Presented by Junhyeong Park, Pusan National University, Busan, SOUTH KOREA

95 Dissecting the role of perivascular nerves in melanoma heterogeneity Presented by Cecilia Pazzi, VIB-KU Leuven, BELGIUM

96 Modeling perineural invasion in pancreatic cancer reveals a critical driver of neural remodeling and tumor growth Presented by Marta Pellegatta, IRCCS San Raffaele Scientific Institute, Milan, ITALY

97 Sparing of organs at risk of head and neck in animal models of radiation-induced brain injury: focus on cognitive deficits Presented by Elodie Pérès, Normandie Université, Caen, FRANCE

98 Multi-modal imaging and 3D analysis of the tumor micro and macro-environment of diffuse intrinsic pontine glioma: a phenotypic characterization in brain tumor organoids and mouse brain Presented by Giulia Pericoli, Bambino Gesù Children's Hospital, Rome, ITALY

99 Real-Time Tracking of Tumor Invasion Dynamics in Organotypic Brain Slices at Subcellular Resolution Presented by Jana Petr, ETH Zürich, Basel, SWITZERLAND

101 Comprehensive genomic profiling - new hope for rare low-grade gliomas? Presented by Irena Pintaric, University Hospital Split and University of Split, CROATIA

102 Intercellular communication and mitochondrial transfer dynamics in glioblastoma Presented by Rubén Quintana-Cabrera, Instituto Cajal (CSIC), Madrid, SPAIN

103 Epigenetic insights into neuron-glioma crosstalk: The emerging role of GABA signalling in Glioblastoma Presented by Silvia Remeseiro, Umeå University, SWEDEN

104 tmCLIC1 as a Key to Metformin's Action: Connecting Molecular Insights to Glioblastoma Therapy Presented by Guido Rey, Università degli Studi di Milano, ITALY

105 Long-term tracing of neuron-tumor networks in vivo using second-generation rabies viruses Presented by Ekin Reyhan, University Hospital Heidelberg and German Cancer Consortium (DKTK), DKFZ, Heidelberg, GERMANY

106 Cancer-Neuroscience in a Dish – Tumor-Brain-Organoids for Studying Complex Cancer-Neuron Interactions in Vitro Revealed Complex Tumor Neuron Interactions in ETMR Presented by Nicole Christin Riedel, University Children's Hospital Münster, GERMANY

107 Dietary methionine restriction mitigates chemotherapy-induced deficits in synaptic plasticity and cognition in mice Presented by Deogratias Riwa, Memorial University of Newfoundland, St. John's, CANADA

108 Neural Activity-Dependent Released Factors Shape the Neuroblastoma Microenvironment and Tumor Behavior in the Developing Peripheral Nervous System Presented by Charlene Roussel, Cancer Research Center of Lyon, FRANCE

109 Investigation of RNA mis-splicing in Patient-Derived Glioma Stem Cells using a CRISPR-dCas13 High Throughput Screening Presented by Ane Rubio Zulaika, Biogipuzkoa Health Research Institute, Donostia, SPAIN

110 Yttrium-90-loaded chitosan hydrogel for local control of glioblastoma recurrence: from dosimetric modeling to in vitro radiobiological efficacy Presented by Perrine Schneller, Nano-H, Fontaines-Saint-Martin and Université de Lorraine, Vandoeuvre-Lès-Nancy, FRANCE

111 Disrupted brain waste clearance may underlie chemotherapy-induced cognitive impairment Presented by Monawar Shahwan, Memorial University of Newfoundland, St. John's, CANADA

112 Cell plasticity of host astrocytes drives glioblastoma progression via cell-cell interactions Presented by Florian Siebzehnruhl, Cardiff University, UK

113 Disruption of non-canonical NF-B signaling impacts radiation sensitivity in pediatric medulloblastoma using patient-derived models Presented by Jesus Maria Sierra-Parraga, CABIMER, Seville, SPAIN

114 5-fluorouracil may reduce endogenous D-serine to impair hippocampal synapses: implications for chemobrain Presented by Carly Stevenson, Memorial University of Newfoundland, St. John's, CANADA

115 Investigating the role of GABAergic signalling in the tumour immune environment Presented by Kaja Stoklosa, University of Southampton, UK



- 116 Schwann Cells in NSCLC shift from neural Supporters to Tumor-Associated Stroma Cells Presented by Carina Strell, Uppsala University, SWEDEN and University of Bergen, NORWAY
- 117 Discovering the ionic origins and metastatic consequences of spontaneous membrane voltage fluctuations in human breast cancer cells Presented by Yilin Sun, Imperial College London, UK
- 118 Identifying molecular mechanisms of nerve-tumor interactions Presented by Amol Tandon, Umeå University, SWEDEN
- 119 Characterization of tumor to tissue interactions in an autochthonous mouse model of glioblastoma Presented by Eileen Tedt, University of Bonn, GERMANY
- 121 Transcriptional remodeling and resistance mechanisms in regorafenib-treated patient-derived glioblastoma cells Presented by Anna Tesei, IRCCS Istituto Romagnolo per lo Studio dei Tumori (IRST) "Dino Amadori", Meldola, FC, ITALY
- 122 Mechanism of Neuron-Tumor Cell Communication in the Murine B16F10 Melanoma Model: Role of Acetylcholine in Tumor Proliferation Presented by Francisca Torres, University of Talca, Maule Region, CHILE
- 123 Unconventional Localization of the Synaptic Protein SNAP25 and its Interaction with the Extracellular Matrix, in Glioblastoma and Neuroendocrine Carcinoma Presented by Laura Tovar Martinez, Institute of Advanced Chemistry of Catalonia IQAC-CSIC and Universitat de Barcelona, Barcelona, SPAIN
- 124 CSF extracellular vesicles and iPSC models to study shared molecular mechanisms in Alzheimer's disease and glioma Presented by Esmee van Rixel, Amsterdam UMC and Vrije Universiteit Amsterdam, NETHERLANDS
- 125 The role of the neuron-melanoma crosstalk in the adaptation to the human brain microenvironment Presented by Antonietta Verrillo, Institute Oncology Research IOR, Bellinzona and Università della Svizzera Italiana, Lugano, SWITZERLAND
- 126 The Role of Astrocyte Calcium Signaling in Glioblastoma Growth Presented by Kate Wheeler, Texas Children's Hospital and Baylor College of Medicine, Houston, USA
- 127 Targeting BST2-Dependent Membrane Flexibility Overcomes EGFRvIII-Mediated Radioresistance in Glioblastoma Presented by Gaeun Yoo, Pusan National University, Busan 46241, SOUTH KOREA
- 128 Nerve innervation in solid tumors Presented by Hui Yu, Uppsala University, SWEDEN
- 129 Targeting sensory neuron-derived Galectin-3: A dual-action strategy for cancer pain and tumor control Presented by Ruofan Zhang, Fudan university, Shanghai, P.R. CHINA
- 130 ETMR Remodels the Extracellular Matrix to Establish a Pro-Tumorigenic Stem Cell Niche Presented by Flavia de Faria, University Hospital Münster, GERMANY
- 131 *In Vitro* 3D Microfluidic models of pediatric brain tumors for the study of nanoparticle drug delivery platforms Presented by America Garcia Alvarado, Gray Faculty of Medical and Health Sciences, Tel Aviv, ISRAEL

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More information: [eacr.org/conferences/cancerneuroscience2025/abstracts](https://eacr.org/conferences/cancerneuroscience2025/abstracts)

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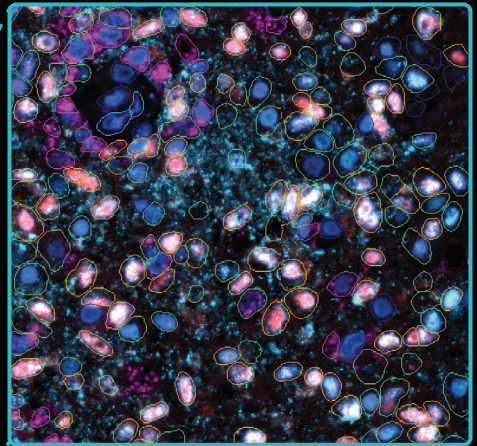






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