

**PAMM**  
PHARMACOLOGY & MOLECULAR  
MECHANISMS GROUP

**EORTC**  
*The future of cancer therapy*

# 43<sup>rd</sup> EORTC-PAMM

DECEMBER 15-16-17 2022 - FLORENCE

AUDITORIUM DEL CTO

## FINAL PROGRAMME



WITH THE ENDORSEMENT OF



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FIRENZE



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RICERCA ONCOLOGICA

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# DECEMBER 15 | 08H30 14H00

## 8:30 OPENING CEREMONY

(Welcome Greetings from representatives of the University of Florence, AOU Careggi, ISPRO and PAMM)

## 9:00 PAMM ORAL COMMUNICATIONS - SESSION 1

New therapeutics in thoracic malignancies: from bench to bedside

INAUGURAL LECTURE  
9:00-9:30

- **Major Advances in Metastatic NSCLC: Inactive state KRAS (G12C) inhibitors**

*Rafael Rosell (Catalan Institute of Oncology, Barcelona, Spain)*

9:30-9:45

- **Improving precision oncology effectiveness in advanced NSCLC by exploiting a co-clinical platform**

*Paolo Bironzo (Università di Torino, Turin, Italy)*

9:45-10:10

- **Molecular drivers and therapeutic targets of Lineage Plasticity in Lung Cancer**, *Triparna Sen (Memorial Sloan Kettering, New-York, USA)*

### Free communications from abstracts by PAMM members/collaborators:

10:10-11:10 **Chairmen:** Godefridus J. Peters (*Amsterdam UMC, VU University, Amsterdam, The Netherlands and Medical University of Gdansk, Poland*), Carmelo Tibaldi (*Ospedale S. Luca, Lucca, Italy*)

10:10-10:25

- **Open reference resource for genomic copy number aberrations in cancer implementing emerging global standards**

*Michael Baudis (University of Zurich, Switzerland)*

10:25-10:40

- **Fatty acid synthase as a novel prognostic biomarker and a potential therapeutic target in diffuse malignant peritoneal mesothelioma**

*Valentina Doldi (Fondazione IRCCS, Istituto Nazionale dei Tumori di Milano, Italy)*

10:40-10:55

- **Role of sphingolipid metabolism in osimertinib-resistance in EGFR-mutated NSCLC models**

*Silvia La Monica (University of Parma, Parma, Italy)*

10:55-11:10

- **B-raf inhibitors and diclofenac target glycolytic metabolism of BRAF-mutated thyroid carcinomas and synergistically restrain cell viability**

*Simona Cataldi (Institute of Genetics and Biophysics, Naples, Italy)*

11:10 Coffee-Break

## 11:30 CLINICAL SYMPOSIUM 1

### - LUNG CANCER THERAPEUTICS

11:30-12:00

- **Optimizing efficacy of immunotherapy with combinations**

*Marcello Tiseo (Università di Parma, Parma, Italy)*

12:00-12:30

- **Why and how target KRAS in daily practice today**

*Fabrice Barlesi (Institut Gustave Roussy, Paris, France)*

**Chairmen:** Francesco Annunziato (*Università di Firenze, Florence Italy*), Nadia Zaffaroni (*Istituto Nazionale Tumori Milano, Milan, Italy*)

12:30 Lunch



# DECEMBER 15 | 14H00 19H00

## 14:00 **CANCER PHARMACOLOGY KEYNOTE LECTURE** - TARGET SELECTIVITY IN DRUGS AND CHEMICAL PROBES AND THE PHARMACOLOGICAL AUDIT TRAIL

*Paul Workman (The Institute of Cancer Research, London, United Kingdom)*

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## 14:30 **CLINICAL SYMPOSIUM 2** - GASTROINTESTINAL CANCER THERAPEUTICS

### 14:30-15:00 • **Evolutionary landscape of treatment for BRAF mutant colorectal cancer**

*Andrea Sartore Bianchi (Università di Milano Statale – Ospedale Niguarda, Milan, Italy)*

### 15:00-15:30 • **Tumor Mutational Burden, microsatellite instability, and actionable alterations in metastatic colorectal cancer**

*Chiara Cremolini (Università di Pisa – AOUP, Pisa, Italy)*

### 15:30-16:00 • **Precision oncology in metastatic colorectal cancer**

*Federica Di Nicolantonio (Università di Torino – IRCCS Candiolo, Turin, Italy)*

### 16:00-16:30 • **Oesophago-gastric neoplasms and immunotherapy: a new deal for our patients?**

*Jean-Philippe Metges (Université de Bretagne Occidentale, Brest, France)*

**Chairmen:** Gérard Milano (*Université Côte d'Azur, Nice, France*),

Enrico Mini (*Università di Firenze, Florence, Italy*)

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## 16:30 **Coffee-Break**

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## 17:00 **PAMM ORAL COMMUNICATIONS - SESSION 2**

New therapeutics in gastrointestinal malignancies: from bench to bedside

### 17:00-17:30 • **Biological underpinnings of pancreatic cancer chemoresistance**

*Elisa Giovannetti (Amsterdam UMC – Vrije Universiteit Amsterdam, The Netherlands)*

### 17:30-18:00 • **Molecular biomarkers for precision medicine in early colorectal cancer**

*Enrico Mini (Università di Firenze, Florence, Italy)*

### 18:00-18:30 • **New players in PDAC-TME: bacteria as biomarkers and potential therapeutic targets**, Cindy Neuzillet (*Institut Curie, Paris, France*)

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## 18:30-19:00 **Free communications from abstracts by PAMM members/collaborators:**

**Chairmen:** Andrea Galli (*Università di Firenze, Florence, Italy*),

Jose Padron (*University of La Laguna, Tenerife, Spain*)

### 18:30-18:45 • **Insight on pancreatic cancer nerves: uncovering the cross-talking between TGF $\beta$ and NGF and their impact on clinical outcomes**

*Rita Balsano (Cancer Center Amsterdam, Vrije Universiteit, Amsterdam, The Netherlands)*

### 18:45-19:00 • **Investigation into Antigrowth Effect of Palladium(II)-Barbiturate Complex on Different Genetic Subtypes of Colon Cancer**

*Engin Ulukaya (Istinye University, Istanbul, Turkey)*

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## 19:00 **PAMM BOARD MEETING**

## 8:30 BASIC AND TRANSLATIONAL RESEARCH SYMPOSIUM 1 (PHARMACODYNAMICS)

- 8:30-9:00 • **Preclinical development of self-assembly anion receptors with metal-dependent kinase inhibition as a novel class of anti-cancer compounds**  
*Roger M. Phillips (University of Huddersfield Queensgate, Huddersfield, UK)*
- 9:00-9:30 • **Cellular senescence in NSCLC: clinical relevance and preclinical evaluation of senescence-targeting strategies**, *An Wouters (University of Antwerp, Antwerp, Belgium)*
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- 9:30-10:30 **Free communications from abstracts by PAMM members/collaborators:**  
**Chairmen:** Annette Larsen (*Saint-Antoine Research Center, Paris, France*),  
Paola Perego (*Istituto Tumori Milano, Milan, Italy*)
- 9:30-9:45 • **Early Pharmacological Profiling of Antiproliferative Compounds by Continuous Live-Cell Imaging**, *José M. Padrón (Instituto Universitario de Bio-Orgánica Antonio González (IUBO-AG), La Laguna, Canary Islands)*
- 9:45-10:00 • **A reverse molecular pharmacology approach to unveil new therapeutic options in high-risk neuroblastoma**, *Marion Le Grand (CRCM, Marseille, France)*
- 10:00-10:15 • **Combining sunitinib and anti-PD1 nivolumab is a valid strategy to enhance anti-cancer immunity and therapeutic potential in CRC**  
*Roberta Di Fonte (IRCCS Istituto Tumori G.Paolo II, Bari, Italy)*
- 10:15-10:30 • **Gender-related metabolic differences in melanoma: correlation with an immunosuppressive environment**, *Elisa Giannoni (Università di Firenze, Florence, Italy)*

10:30 Coffee-Break

## 11:00 CLINICAL SYMPOSIUM 3 - BREAST AND GYNECOLOGICAL CANCERS THERAPEUTICS

- 11:00-11:30 • **PARP inhibitors in BRCA1- or BRCA2-Mutated Breast Cancer**  
*Valentina Guarneri (Università di Padova, Padua, Italy)*
- 11:30-12:00 • **PARP inhibitors in gynaecological cancers and beyond**  
*Judith R.Kroep (Leiden University Medical Center, Leiden, The Netherlands)*
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- 12:00-12:30 **Free communications from abstracts by PAMM members/collaborators:**  
**Chairmen:** Gianni Amunni (*Università di Firenze – ISPRO, Florence, Italy*),  
Andrea Bonetti (*Ospedale Mater Salutis, Legnago, Italy*)
- 12:00-12:15 • **The impact of the efflux transporter ABCG2 gene polymorphism on the development of adverse events in CML patients treated with Imatinib**  
*Marwa Hamza (The British University in Egypt, Cairo, Egypt)*
- 12:15-12:30 • **Identification of novel strategies to combat ABCB1 gene amplification as a key mechanism underlying paclitaxel resistance in PDAC cells**  
*Cecilia Bergonzini (Leiden University, The Netherlands)*

## 12:30 CLINICAL KEYNOTE LECTURES - CAR-T CELLS AND INNOVATIVE THERAPIES IN ONCOLOGY-HEMATOLOGY

- 12:30-13:00 • **CAR-T cells in lymphoid malignancies : where do we stand and where are we going**, *Gabriel Brisou (Paoli Calmettes Institute, Marseille, France)*
- 13:00-13:30 • **Use of liquid biopsies to tailor actionable mutations in NSCLC**  
*Christian Rolfo (Tisch Cancer Institute at Mount Sinai, New York, USA)*



# DECEMBER 16 | 13H30 20H30

13:30 Lunch

## 14:30 (BIO)TECHNOLOGY TECHNIQUES KEY LECTURE

ThermoFisher  
SCIENTIFIC

- **NGS in Predictive Molecular Pathology: from tissue to liquid biopsy**  
*Umberto Malapelle (University Federico II of Naples, Naples, Italy)*

## 15:00 CLINICAL SYMPOSIUM 4

- MELANOMA AND PEDIATRIC CANCER THERAPIES

- 15:00-15:30 • **Sequential BRAF-MEK inhibition in BRAF V600 Mutation-Positive Advanced Melanoma**, *Michele Del Vecchio (Istituto Nazionale Tumori, Milan, Italy)*
- 15:30-16:00 • **New combinations with I-O drugs in melanoma**  
*Michele Maio (Università di Siena, Siena, Italy)*
- 16:00-16:30 • **Reverse Molecular Pharmacology: using existing drugs to reveal novel vulnerabilities in refractory cancers**, *Eddy Pasquier (Aix-Marseille University, INSERM, France)*

**Chairmen:** *Gabriella Nesi (Università di Firenze, Florence, Italy),  
Eric Raymond (Paris Saint-Joseph Hospital Group, Paris, France)*

16:30 Coffee-Break

## 17:00 PAMM ORAL COMMUNICATIONS - SESSION 3

New therapeutics in breast and gynecological cancers and melanoma :  
from bench to bedside

- 17:00-17:30 • **Background relevance and preclinical/clinical activity of PPT1 inhibitors in patients with advanced cancer**  
*Eric Raymond (Paris Saint-Joseph Hospital Group, Paris, France)*
- 17:30-18:00 • **Gender-related metabolic differences in melanoma: correlation with an immunosuppressive environment**  
*Elisa Giannoni (Università di Firenze, Florence, Italy)*

## 18:00-18:45 Free communications from abstracts by PAMM members/collaborators

**Chairmen:** *Giovanni Codacci-Pisanelli (Università di Roma La Sapienza, Rome, Italy),  
Nicola Pimpinelli (Università di Firenze, Florence, Italy)*

- 18:00-18:15 • **Standardized immunohistochemical and pharmacological studies to evaluate Human Equilibrative Nucleoside Transporter 1 (hENT1)**  
*Jisce Puik (Vrije Universiteit Amsterdam, The Netherlands)*
- 18:15-18:30 • **Cytotoxic activity of novel 1,2,4-oxadiazole-based derivatives in pancreatic ductal adenocarcinoma by modulation of CDK1 and GSK3 $\beta$** ,  
*Camilla Pecoraro (Università degli Studi di Palermo, Italy)*
- 18:30-18:45 • **GLUT-1: a new target/prognostic factor in Hepatobiliary cancers?**  
*Annalisa Comandatore (University of Pisa, Italy)*

## 18:45 PAMM BUSINESS MEETING / GENERAL ASSEMBLY

20:30 SOCIAL DINNER

## 8:30 BASIC AND TRANSLATIONAL RESEARCH SYMPOSIUM 2 (PHARMACOKINETICS)

### SECTION 1: PHARMACOKINETICS OF MONOCLONAL ANTIBODIES

- 8:30-9:00
- **Model informed precision dosing of Mabs in oncology: Challenges and opportunities**  
*Dirk Jan Moes (Leiden University Medical Center, Leiden, The Netherlands)*
- 9:00-9:30
- **TDM of monoclonal antibodies in oncology: hype or hope?**  
*Joseph Ciccolini (Aix-Marseille University, Marseille, France)*

### SECTION 2: PHARMACOKINETICS OF PROTEIN KINASE INHIBITORS AND OTHER ANTICANCER DRUGS

- 9:30-10:00
- **Pharmacokinetic Considerations for Anticancer Therapy in Children**  
*Georg Hempel (University of Münster, Münster, Germany)*
- 10:00-10:30
- **Pharmacokinetics of antimetabolites in the modern era**  
*Antonello Di Paolo (Università di Pisa, Pisa, Italy)*
- 10:30-11:15
- Free communications from abstracts by PAMM members/collaborators**  
Chairmen: *Georg Hempel (University of Münster, Münster, Germany),  
Marina Ziche (Università di Siena, Siena, Italy)*
- 10:30-10:45
- **Adaptive-dosing strategies of high dose Busulfan in bone-marrow transplant conditioning**, *Laure Carriat (Clinical Pharmacokinetics lab, Marseille, France)*
- 10:45-11:00
- **Evaluation of targeted nano-architectures in alternative in vivo models of Head and Neck Squamous Cell Carcinoma**  
*Patrizia Sarogni (Istituto Italiano di Tecnologia, Pisa, Italy)*
- 11:00-11:15
- **Novel approaches to hamper cancer associated fibroblasts tumour support**  
*Belen Toledo (University of Jaén, Spain)*

11:15 Coffee-Break

## 11:35 CLOSING LECTURE

- 11:35-12:05
- **Role of EORTC in translational research to support (independent/academic) clinical studies in Europe**  
*Winetta Van der Graaf (Netherlands Cancer Institute, Amsterdam)*

Chairman: *Lorenzo Antonuzzo (Università di Firenze, Florence, Italy)*



# DECEMBER 17 | 12H05 14H00

## 12:05 PAMM ORAL COMMUNICATIONS - SESSION 4

Basic and Translational Research: novel studies from early career investigators

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### 12:05-13:20 Free communications from abstracts by PAMM members/collaborators:

Chairmen: Luigi Messori (*Università di Firenze, Florence, Italy*),  
Andrew D. Westwell (*Cardiff University, Cardiff, UK*)

- 12:05-12:20 • **AXL emerges as a promising biomarker and target for pancreatic cancer**  
*Benoit Immordino (Fondazione pisana per la Scienza, Pisa, Italy)*
  - 12:20-12:35 • **Enhanced cancer-selectivity and antitumour activity in carcinoma cell lines by transferrin receptor-targeted, apoferritin-encapsulated therapeutic agents**  
*Tracey Bradshaw (University of Nottingham, UK)*
  - 12:35-12:50 • **New class of reversible benzylpiperidine-based monoacylglycerol lipase (MAGL) inhibitors displaying anti-proliferative activity in pancreatic ductal adenocarcinoma cells**, *Giulia Bononi (University of Pisa, Italy)*
  - 12:50-13:05 • **Circulating TGF-Beta and PD-L1 in Pancreatic Cancer**  
*Ingrid Garajova (University Hospital of Parma, Italy)*
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## 13:10 BEST ORAL COMMUNICATION AND POSTER PRIZES AND CLOSURE

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## PAMM BOARD

Elisa Giovannetti, Amsterdam, The Netherlands (Chair)  
Joseph Ciccolini, Marseille, France (Secretary)  
Eric Raymond, Paris, France (Past-Chair)  
Annette Larsen, Paris, France (Treasurer)

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## SCIENTIFIC COMMITTEE

Etienne Chatelut, Toulouse, France  
Joseph Ciccolini, Marseille, France  
Elisa Giovannetti, Amsterdam, The Netherlands  
Georg Hempel, Münster, Germany  
Markus Joerger, St. Gallen, Switzerland  
Annette Larsen, Paris, France  
Brian Leyland-Jones, Sioux Falls, USA  
Enrico Mini, Florence, Italy  
Stefania Nobili, Chieti, Italy  
Jose Padron, La Laguna, Spain  
Paola Perego, Milan, Italy  
Godefridus J. Peters, Amsterdam, The Netherlands  
Roger M. Phillips, Huddersfield, UK  
Eric Raymond, Paris, France  
Christian Rolfo, New York, USA  
Giandomenico Roviello, Florence, Italy  
Andrew D. Westwell, Cardiff, UK

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## LOCAL ORGANIZING COMMITTEE

Enrico Mini, Florence, Italy  
Stefania Nobili, Chieti, Italy  
Giandomenico Roviello, Florence, Italy  
Ida Landini, Florence, Italy

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## ORGANIZATION

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## CONGRESS VENUE

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