22nd

Annual Meeting

Cancéropôle Grand Sud-Ouest



PROGRAM

Cancéropôle Grand Sud-Ouest

www.canceropole-gso.org

inca Institut National du Cancer

Wednesday 18th November

12h30 – 14h00: Welcome buffet

14h00-14h20: Opening Ceremony

Vincent BOUGET, *Mayor of the City of Nîmes,* **Loïc DELASTRE**, *Deputy General Director CHU Nîmes*, **Jean-Olivier ARNAUD**, *Cancéropôle Grand Sud-Ouest President* & **Nadine HOUEDE,** *Cancéropôle Grand Sud-Ouest Scientific Director*

14h20-16h00: TRANSLATIONAL RESEARCH IN COLORECTAL CANCER

Chairs: Niki CHRISTOU & Julie PANNEQUIN

Lecture: **Eduard BATLLE**, *ICREA & Cancer Science Program. Institute for Research in Biomedicine (IRB Barcelona). The Barcelona Institute of Science and Technology (BIST), Barcelona (Spain)*

Plasticity and therapy resistance in metastatic colorectal cancer

Lecture: **François GHIRINGHELLI**, *INSERM UMR1231, Bourgogne University; Centre Georges-François Leclerc; Clinical Trial Unit CLIPP, Dijon*

Immunotherapy for microsatellite-stable colorectal cancer: from resistance mechanisms to biomarker-guided combinations

Imène GASMI, *Institute of Functional Genomics (IGF), Montpellier*- Tuft cells remodel the mucosal immune microenvironment to promote intestinal tumourigenesis

Maëlle CAROFF, *Institute of Pharmacology and Structural Biology (IPBS), Toulouse* - Targeting Microsatellite-Instable cancers through ligand stabilization of DNA Three-Way Junctions

16h00-16h15: CANCER RESEARCH IN TOULOUSE AT A GLANCE

Pierre CORDELIER, *Cancer Research Center of Toulouse*

16h15-17h00: Coffee break

17h00-18h30: Two parallel sessions

THERAPIES & VACCINES

Chairs : Nathalie BONNEFOY & Sandrine DABERNAT

Lecture : **Cindy NEUZILLET**, *Hôpital Paul Brousse, Villejuif*

Advances in Immune-Based Therapies and Vaccine Strategies for Pancreatic Cancer

Jean-Marie CARPIER, *ENTEROME, Paris* - From gut-bacteria mimicry to anti-tumor immunity: a new class of *in vivo* immune therapies

Maha AYYOUB, *Cancer Research Center of Toulouse (CRCT)* - Lessons from Immune Checkpoint Blockade: Neoantigens and Shared Tumor Antigens for Therapeutic Cancer Vaccine Development

Juliette MAIRESSE, *Montpellier Cancer Research Institute (IRCM)* - Proof of concept of a new technology of RNA vaccine based on poly (β-amino ester) nanoparticles in lung cancer

GENOME DYNAMICS AND EXPRESSION

Chair: Thomas CLOUAIRE

Lecture: **Maria ABAD**, *Vall d'Hebron Institute of Oncology, Barcelona (Spain) & Altos Labs, Cambridge Institute of Science, Cambridge (UK)*

When the non-coding codes: Mining the microproteome for novel regulators of cell plasticity

Brice LAFFLEUR, *Control of the Immune B Response and Lymphoproliferations (CRIBL), Limoges* - DIS3 Ribonuclease Safeguards Genome Stability in Multiple Myeloma

Augustine BLANC-BEOKHOLT, *Toulouse Cancer Research Center (CRCT)* - Single-cell timecourse analysis of an *in-vitro* model of Chronic Lymphocytic Leukemia

Maximilien NDJAMI-MAKANDA, *Centre de Biologie Intégrative de Toulouse (CBI)* - How do cohesin and transcription cooperate to organize the genome?

Kuldeep LAHRY, *Montpellier Cancer Research Institute (IRCM)*- Hijacking the tRNA Epitranscriptome to Restrain Cancer Growth

18h30: Icebreaker: Posters & Drinks

Thursday 19th November

08h00-08h30: Welcome Coffee

08h30-10h20: HOT TOPICS IN ONCOLOGY

Chairs : Pierre CORDELIER & Eric JULIEN

Lecture : **Fanny MANN**, *Aix Marseille University, CNRS, IBDM, Marseille*

Nerve-tumor crosstalk in pancreatic cancer

Lecture: **Luca MAGNANI**, *Breast Cancer Epigenetics and Evolution Group, Breast Cancer Now Toby Robins Research Centre, The Institute of Cancer Research, London (United Kingdom); Onco-hematology department (DIPO) Universita' degli Studi di Milano La Statale (Italy)*

Dormancy's Dice: The Long Game of ER+ Breast Cancer

Giacomo CAVALLI, *Institute of Human Genetics (IGH), Montpellier* - Epigenetic memory of 3D genome architecture in cell fate and cancer

Gautier FOLLAIN, *BoRdeaux Institute of oncology (BRIC), Bordeaux* - Extravasation of circulating tumor cells

10h20-11h30: Coffee break & Posters Session

11h30-13h00: ARTIFICIAL INTELLIGENCE IN ONCOLOGY: CHALLENGES, METHODS & PERSPECTIVES

Guest Moderator & lecture: **Hugues BERRY**, *National Institute for Research in Digital Science and Technology, Lyon*

AI for Biomedical Research: Key Issues and Challenges Ahead

Marion TARDIEU, *Institute of Cancer Research of Montpellier (ICM)* - Artificial intelligence in medical imaging

Kevin MOUZAT, *Nîmes University Hospital* - Can AI help us understand the human genome? Current challenges and future perspectives

13h00- 13h15: Société Française du Cancer

13h15-14h30: Lunch break

14h30-16h00: Three parallel sessions

SIGNALING, MICROENVIRONMENT AND TARGETING



Chair: Violaine MOREAU

Lecture: **Vincent GUEN,** *Inserm UMR 1307, CNRS UMR 6075, CRCI2NA, Nantes Université, Inserm US16, CNRS UAR 3556, BioCore, Nantes Université, CHU Nantes, SFR Bonamy, Nantes*

Understanding and targeting tumor plasticity in breast cancer

Laure DAVID, *Research Institute for Digestive Health (IRSD), Toulouse* - Bacterial extracellular vesicles as innovative biotherapies for bladder cancer

Thibault HOULES, *Institute of Molecular Genetics of Montpellier (IGMM)* - SUMOylation controls Acute Myeloid Leukemia response to therapies

Claire CRAMPES, *Montpellier Cancer Research Institute (IRCM)* -Targeting Stromal BIGH3 Restores Anti-Tumor Immunity and Suppresses Cachexia

Camille ATTANE, *Institute of Pharmacology and Structural Biology (IPBS), Toulouse* - Bone marrow adipocytes as new metabolic actors in cancer progression

NEW MODELS FOR THERAPY



Chair: Bertrand LIAGRE

Lecture: **Rita FIOR**, *Champalimaud Research, Champalimaud Foundation, Lisbon (Portugal)*

Zebrafish Avatars: a Precision Oncology Platform for Personalized Medicine & Discovery of Innate Immune Evasion Mechanisms

Majid KHATIB, *BoRdeaux Institute of Oncology (BRIC)* - Zebrafish Models Reveal Protein Maturation as a Therapeutic Target in Cancer and Angiogenesis

Audrey FERRAND, *Metabolic and Cardiovascular Research Institut (I2MC), Toulouse* - Development of a human colon-on-chip for translational applications

IA DANS LES SOINS (*In French)*



Chair: Sophie GOURGOU

Marie CANTALOUBE, *Institut du Cancer de Montpellier* - Présentation du robot Miroki, compagnon en radiothérapie pédiatrique

Sabrina SUFFREN, *Université de Montpellier Paul-Valéry* - Le robot compagnon MIROKI peut-il réduire l'anxiété en radiothérapie pédiatrique ?

Renaud SCHIAPPA, *Centre Antoine Lacassagne, Nice* - Utilisation de l'IA dans la recherche clinique en oncologie

16h00-16h45: Coffee break

16h45-17h45: PRESTIGE CONFERENCE

Chair: Nadine HOUEDE

Lecture: **Ian TANNOCK,** *Princess Margaret Cancer Centre, Toronto (Canada)*

Clinical and scientific literature: Should we believe what we read?

17h45 -19h15 : Lecture de la pièce de théâtre RADICALE (TEXTE ET MISE EN SCÈNE : DAVID FRISZMAN) *In French*

Suivie d'un débat animé par **Nadine HOUEDE,** Directrice scientifique du Cancéropôle GSO en présence de **Muriel BRENGUES** (chercheur, IRCM), **Dominique CHORT** (Patient partenaire) et **Morgan MICHALET** (Oncologue radiothérapeute, ICM/CHU Nîmes)

20h00: Gala event

Friday 20th November

08h30-9h00: Welcome coffee

09h00-10h20: "RISING STARS" (Young Scientist Oral Presentation Competition)

Chairs : Caroline BONNANS, Guillaume BOSSIS & Agnese CRISTINI

Rayan DAKROUB, *Institute of Molecular Genetics of Montpellier (IGMM), Montpellier* - The Roles of Ki-67 in Cancer and the Anti-tumour Immune Responses

Cédric FABRE, *Institute of Pharmacology and Structural Biology (IPBS), Toulouse* - Overcoming T cell exclusion in PDAC: Periostin as a therapeutic target?

Laura JENTSCHEL, *Institute of Functional Genomics (IGF), Montpellier* - Chemotherapy-Induced Translational Rewiring Enables Drug-Tolerant Persister Exit and Tumor Relapse

Sahar MAHMOUD, *Institute of Human Genetics (IGH), Montpellier* - From AI-Predicted TOPBP1 Mutations to Biological Significance: Implications for the DNA Damage Response (DDR)

Soha ALLIOUI, *Institute of Molecular Genetics of Montpellier (IGMM), Montpellier* - A first-in-class self-activating cGas*-mRNA-LNP immunotherapy for hepatocellular carcinoma

Margaux AYEUL, *Montpellier Cancer Research Institute (IRCM)* - Understanding and Targeting ATF3-Mediated Resistance Mechanisms to Improve Therapeutic Outcomes in Upper Tract Urothelial Carcinoma

Jérémy BIGOT, *Toulouse Cancer Research Center (CRCT)* - Exploiting therapy-induced plasticity: the glucocorticoid–SPIB–CD20 axis creates a targetable vulnerability in residual B-ALL cells

Marianne RICHAUD, *Montpellier Cancer Research Institute (IRCM)* - Exploring Chromatin Organization Through Circulating DNA: Nucleosome Occupancy and Y Chromosome Fragmentation Across Health and Cancer

10h20-10h30: Presentation of the Nîmes University Hospital Foundation Fund

10h30-10h50: Young Scientists Prize awards

10h50-11h20: Coffee break

11h20-13h00: Two parallel sessions

TRANSLATIONAL RESEARCH IN PEDIATRIC ONCOLOGY

Chair: Marlène PASQUET

Marlène PASQUET, *CHU, Toulouse*– CIRCLE overview for pediatric oncology

Lecture: **Riccardo MASETTI**, *University of Bologna (Italy)*

Microbiome Characterization and Modulation in Pediatric Hematopoietic Stem Cell Transplantation

Anne LAPRIE, *Oncopole Claudius Regaud, Toulouse* & **Marc-Antoine DA VEIGA**, *Institute of Cellular Biochemistry and Genetics (IBGC), Bordeaux* - Advanced Imaging Biomarkers and Metabolic Plasticity in Pediatric Brain Tumors: Focus on Ependymoma

Alexandre THERON, *CHU, Montpellier* & **Lucille STUANI**, *Montpellier Cancer Research Institute (IRCM)* - From KMT2A-rearranged AML to therapy-related AML in children: the OSCARE registry and the OSCARELIN project

Farid BOULAD, *Président de la Commission scientifique d'Enfants Cancers Santé* – Patient Advocacy Perspective - Shaping the CIRCLE Research Programme Together

LITTERATIE EN SANTE - COMPREHENSION DE L'INFORMATION MEDICALE (*In French*)

Chair : Véronique BERNAD

Angéline GALVIN, *Institut de Santé Publique, d'Épidémiologie et de Développement, Bordeaux* - Littératie en santé chez les patients âgés atteints de cancer : comprendre, mesurer et agir

Françoise ABRIAL, *DigiScribMed, Lyon* - Comprendre ne suffit pas : concevoir des outils numériques patients réellement actionnables

Jérémy JOST, *Université de Limoges* - La littératie en santé à l'épreuve de la diversité culturelle : quels enjeux pour l'équité en cancérologie ?

13h00: Closing buffet

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