

20th

Annual Meeting

Cancéropôle

Grand Sud-Ouest

November 20-22, 2024

Congress Center / Perpignan



PROGRAM



www.canceropole-gso.org



Wednesday 20th November

12h30 - 14h00: Welcome buffet

14h00 - 15h45: 2 parallel sessions



CELL SIGNALING, MICROENVIRONMENT AND TARGETING

Chairs: Guillaume BOSSIS & Dennis GOMEZ

Lecture: **Thomas BERTERO**, *Institute of Molecular and Cellular Pharmacology, Valbonne*

Mechano-metabolism: from tissues to molecules

- **Océane MARTIN**, *Institute of Cellular Biochemistry and Genetics, Bordeaux*
Gut inflammation impacts glioblastoma development and therapeutic resistance
- **Myroslava SLIUSAR**, *BoRdeaux Institute of Oncology*
Role of carbohydrate-binding proteins in controlling glioblastoma stem cell fate and tumorigenesis
- **Renaud POINCLOUX**, *Institute of Pharmacology and Structural Biology, Toulouse*
Macrophage mechanobiology: from tumour infiltration to the generation of protrusive forces during migration and phagocytosis
- **Grégoire MANAUD**, *BoRdeaux Institute of Oncology*
Deciphering the oncogenic properties of Fascin-1 in Hepatoblastoma

PRECISION THERAPEUTICS (1) - HEALTH TECHNOLOGIES

Chairs: Marie-Pierre ROLS & Bertrand LIAGRE

Lecture: **Christoph MERTEN**, *Ecole Polytechnique Fédérale de Lausanne (Switzerland)*

Biomedical microfluidics, new approaches for drug discovery and personalized cancer therapy

- **Myriam CHAUMEIL**, *University of California, San Francisco (USA)*
Hyperpolarized ¹³C metabolic MRI for adaptive cancer treatment and precision medicine
- **Chloé BAZILE**, *Cancer Research Center of Toulouse*
TAM Targeting with vectorized magnetic nanoparticles for anticancer therapies



15h45 - 17h15: Poster session & Coffee break



17h15 - 19h00: 2 parallel sessions



GENOME DYNAMICS AND EXPRESSION

Chairs: Jean-Christophe ANDRAU & Eric JULIEN

Lecture: **José Ignacio MARTIN-SUBERO**, August Pi Sunyer Biomedical Research Institute (IDIBAPS) & Catalan Institution for Research and Advanced Studies (ICREA), Barcelona (Spain)

An epigenetic journey into the origin and evolution of chronic lymphocytic leukemia

- **Marta RADMAN-LIVAJA**, *Institute of Molecular Genetics of Montpellier*
In vivo chromatin footprinting with nanopore sequencing reveals a new role for the yeast heterochromatin protein Sir3 in global transcription regulation
- **Luana CINTORI, Molecular**, *Cellular and Developmental biology unit, Toulouse*
Novel optogenetic tool for targeted oxidative DNA damage generation: effect of ROS on gene transcription
- **Léa BOUTON**, *Nucleic Acids: Natural and Artificial Regulations Laboratory, Bordeaux*
Development of RNA therapeutics targeting RBM39 as an anti-cancer strategy
- **Virginie MIEULET**, *Toulouse Institute for Infectious and Inflammatory Diseases*
MAPK-mediated translational regulation of QARS contributes to DNA damage response in high-grade serous ovarian cancers

PRECISION THERAPEUTICS (2) - THERAPEUTIC INNOVATION AND BIOMARKERS



Chairs: Sandrine DABERNAT & Véronique GIGOUX

Lecture: **Isabelle VAN SEUNINGEN**, ONCOLille & **Nicolas LEBEGUE**, Lille Neuroscience & Cognition

Emerging paradigms and recent progress in targeting ErbB/HER in cancers

- **Emmanuelle LIAUDET-COOPMAN**, *Montpellier Cancer Research Institute*
Immunotherapy of triple-negative breast cancers with cathepsin D targeting antibodies
- **Angela AGAËSSE**, *Cancer Research Center of Toulouse*
Magnetic hyperthermia and magnetic-mechanical ablation, two potential strategies for inducing an anti-tumor immune response in pancreatic ductal adenocarcinoma
- **Lisa BRUNET**, *Montpellier Cancer Research Institute*
Exploiting vulnerabilities in MET-driven non-small cell lung cancer
- **Lucile BANSARD**, *Institute for Functional Genomics, Montpellier*
A potent agonist-based PROTAC targeting Pregnane X Receptor that delays colon cancer relapse
- **Isabel GALEANO-OTERO**, *BoRdeaux Institute of Oncology*
Sulconazole prevents T-cell exhaustion and promotes cancer cell malignant phenotype repression by attenuation of NF- κ B and calcium signaling

19h00 - 20h00: Icebreaker & Poster session



Thursday 21st November

08h15 - 08h45: Welcome coffee

08h45-09h00: Opening ceremony

Nadine HOUEDE, *Scientific director of Cancéropôle Grand Sud-Ouest*

09h00-10h45

CANCER MICROENVIRONNEMENT

Chairs: Emmanuelle LIAUDET-COOPMAN & Frédéric SALTEL

Lecture: **Hervé FRIDMAN**, *Centre de Recherche des Cordeliers, Paris*

Tumor microenvironment and response to immunotherapy

- **Rawan HALLAL**, *Institute of Molecular Genetics of Montpellier*
Targeting the SUMO pathway to activate an anti-tumoral response mediated by Natural Killer cells in Acute myeloid leukemia
- **Tommy CHASTEL**, *Montpellier Cancer Research Institute*
Role of Eicosanoid Receptor in Stroma - Cancer Communication
- **Marine HERNANDEZ**, *Pharmacology and Structural Biology Institute, Toulouse*
A metabolic crosstalk occurs between human bone marrow adipocytes and prostate cancer cells

10h45-11h15

CANCER RESEARCH IN BORDEAUX AT A GLANCE

Frédéric SALTEL, BoRdeaux Institute of Oncology

11h15 – 12h30: Poster session

12h30 – 14h00: Lunch break

14h00-15h30

ALTERNATIVE MODELS FOR TRANSLATIONAL RESEARCH

Chair: Julie PANNEQUIN

Lecture: **Fanny JAULIN**, *Gustave Roussy Institute, Villejuif*

Functional personalized medicine in digestive cancers

- **Céline GONGORA**, *Montpellier Cancer Research Institute*
An *in vitro* heterotypic spheroid model to characterize anti-tumor immunity in chemotherapy and immunotherapy-treated urothelial carcinoma
- **Kasandra AGUILAR CAZAREZ**, *Institute for Functional Genomics, Montpellier*
Study of the reciprocal interactions between diffuse low-grade glioma IDH1 mutant cells and neurons



15h30 – 16h30: Coffee break

16h30-18h00

CELLULAR PLASTICITY

Chairs: Mary POUPOT & Antonio MARAVER

Lecture: **Alejo RODRIGUEZ-FRATICELLI**, *IRB Barcelona, Barcelona Institute of Science and Technology and Catalan Institute for Research and Advanced Studies (ICREA) (Spain)*

Pre-existing stem cell heterogeneity as a driver of cancer evolution

- **Jérôme TORRISANI**, *Cancer Research Center of Toulouse*
The E3 ubiquitin ligase TRIP12 is required for pancreatic acinar cell plasticity and DNA damage response in pancreatic carcinogenesis
- **Anissa ZAAFOUR**, *BoRdeaux Institute of Oncology*
Modelling metastatic dormancy of cancer stem cells in gastric cancer
- **David BRACQUEMOND**, *Montpellier Cancer Research Institute*
Overcoming osimertinib resistance in EGFR-driven lung cancer by targeting drug tolerant persister cells

18h00 – 19h00

PRESTIGE CONFERENCE

Chair: Véronique GIGOUX

Lecture: **Julian CARREY**, *National Institute of Science and Technology & ATelier d'ECologie POLitique, Toulouse*
The new role of scientific research and scientists facing ecological emergency

20h00 GALA DINNER

SESSIONS



14h00-15h30 : LA METHODOLOGIE ET REGLEMENTATION DANS LA RECHERCHE INTERVENTIONNELLE EN SANTE DES POPULATIONS (1)

Modération : Brigitte TRETARRE et Cyrille DELPIERRE

- **Florence COUSSON-GELIE**, *Institut du Cancer de Montpellier* et **Cyrille DELPIERRE**, *Centre d'épidémiologie et de recherche en santé des populations, Toulouse*
Présentation générale du réseau SORisp - Les méthodologies en recherche interventionnelle en santé des populations
- **Mathieu GOURLAN**, *Institut du Cancer de Montpellier*
De la théorie à la pratique : l'exemple du « Grand Défi Vivez Bougez » pour promouvoir l'activité physique des enfants

16h30-18h30 : LA METHODOLOGIE ET REGLEMENTATION DANS LA RECHERCHE INTERVENTIONNELLE EN SANTE DES POPULATIONS (2)

Modération : Brigitte TRETARRE et Cyrille DELPIERRE

- **Niamh M. REDMOND**, *CERPOP, Toulouse*
DECODE : essai clinique randomisé en clusters d'une intervention de littératie en santé pour le dépistage du cancer colorectal, ciblant les médecins généralistes et les patients dans les zones défavorisées
- **Elodie NEUMANN**, *ONCODEFI – Montpellier*,
PAM - Apprentissage du dépistage des cancers - Etude interventionnelle et participative avec des personnes déficientes intellectuelles
- **Morgane MARCOU DU TILLET DE VILLARS**, *IUCT Oncopole, Toulouse*
L'encadrement réglementaire des projets RISP à l'Oncopole Claudius Regaud



Friday 22nd November

08h00 – 08h30: Welcome coffee

08h30 – 09h00

POSTER AWARDS SESSION

09h00-10h30

TRANSLATIONAL RESEARCH IN RARE CANCERS

Chairs: Nadine HOUEDE & Fabrice LALLOUE

Lecture: **Isabelle JANOUÉIX**, *Institut Curie, Paris*

Non-genetic heterogeneity and phenotypic plasticity in neuroblastoma

• **Florent PEYRAUD**, *Institut Bergonié, Bordeaux*

Immunotherapy in Sarcomas: from Bench to Bedside

• **Sabrina CROCE & Nathalie TRUFFAUX**, *Institut Bergonié, Bordeaux*

Translational research in gynecological rare sarcomas : examples of ongoing translational projects

10h30 – 11h30: Coffee break

11h30-13h00

METASTASIS

Chairs: Violaine MOREAU & Frédéric LAGARRIGUE

Lecture: **Jacky GOETZ**, *Centre de Recherche en Biomédecine de Strasbourg*

Nanoscale tracking of Metastasis

• **Inès GARROUCHE**, *Université de Poitiers, ProDiCeT*

New insights of YAP activity in brain metastases from colorectal cancer

• **Tra-Ly NGUYEN**, *BoRdeaux Institute of Oncology*

Role of immunosuppressive myeloid cells on gastric cancer stemness promotion

• **Julie PANNEQUIN**, *Institute for Functional Genomics, Montpellier*

Unraveling the metastatic process in colorectal cancer

13h00 LUNCH



SESSIONS



09h00-10h30 : L'INTEGRATION DES PATIENTS PARTENAIRES EN RECHERCHE

Modération : Florence SORDES

- **Patrick LARTIGUET**, Université Jean Jaurès, Toulouse

Le partenariat avec les patients dans la recherche en santé : un défi épistémologique, éthique et démocratique !

- **Cyril SARRAUSTE DE MENTHIÈRE**, Institut de Génétique Humaine, Montpellier

Patients et chercheurs, unis pour innover : l'engagement pour réinventer, ensemble, la recherche humaniste et engagée

- **Célia CARDOSO**, Institut Imagine, Paris

Co-construction d'un programme de partenariat patient dans un Institut Hospitalo-Universitaire : inspiration concrète

11h30-13h00 : LES RECHERCHES SUR LES SOINS DE SUPPORT

Modération : Cyrille DELPIERRE

- **Maria Claudia ADDAMIANO**, Université Paul Sabatier, Toulouse

AASSOAC : Améliorer l'Accès aux Soins oncologiques de Support sur la région Occitanie par l'Amélioration des connaissances des patients

- **Kerstin FARAVEL**, Institut du Cancer de Montpellier

La prise en charge Kiné-Yoga-ETP

- **Véronique GERAT-MULLER**, onCOGITE, Bordeaux

Prise en charge des séquelles cognitives du cancer et de ses traitements



L'équipe du Cancéropôle Grand Sud-Ouest remercie vivement

- les conférenciers et les modérateurs des sessions,
- les coordonnateurs et les membres des Comités de Pilotage des Axes,
- les membres des Bureaux des Groupes de Travail,
- les membres du Comité de Pilotage Scientifique,

pour leur participation et leur implication dans l'élaboration du programme de ces 20^{èmes} Journées et la qualité scientifique des présentations.



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