

*La nostra recerca,
la salut del futur*

*Nuestra investigación,
la salud del futuro*

*Our research,
the health of the future*

4TH ANNUAL SCIENTIFIC SYMPOSIUM IRBLLEIDA

13th December 2024

9.30 a.m. to 6.30 p.m.



Salut/  Hospital Universitari
Arreu de Vilanova Lleida

Salut/  Institut de Recerca Biomèdica


Diputació de Lleida
La força dels municipis



La Llotja de Lleida

Avinguda de Tortosa, 6 25005 Lleida

20th Anniversary

9.30–10.00 h Opening table

Rosa Pérez Pérez,

Gerent de la Regió Sanitària Lleida i directora dels serveis territorials de Salut a la regió

Francisco Javier Massó Pérez,

Subdirector general de Recerca del Departament de Recerca i Universitats

Jaume Puy Llorens,

Rector de la Universitat de Lleida

Joan Tarnal Gilabert,

President de la Diputació de Lleida

Diego Arango del Corro,

Director de l'Institut de Recerca Biomèdica de Lleida

Albert Lecube Torelló,

Director territorial d'Innovació, Recerca i Docència de l'Hospital Universitari Arnau de Vilanova de Lleida

10.00–11.00 h IRBLleida Directors' Round Table: 20 years of excellence in biomedical research

Xavier Matias–Guiu Guia, Elvira Fernández Giráldez and Diego Arango del Corro

11.00–11.30 h

Presentation by the director of the IRBLleida, Diego Arango del Corro

'Results IRBLleida 2024'. An overview of the main highlights of the institute in 2024

11.30–11.45 h Coffee break

11.45–12.30 h Posters session

12.30–13.30 h

Keynote presentation: Precision with Confidence: Combining Expert Knowledge and Data-Driven Insights in Biomedicine

Keynote lecturer: **Rubén Armañanzas Arnedillo**, Universidad de Navarra

13.30–14.15 h

Scientific sessions of the scientific programs of the IRBLleida

13.30–13.45 h:

Nutrition, Metabolism and Cellular Stress Program

Speaker: **Mariona Jové Font**, Metabolic physiopathology. Title: **Decoding Longevity: Lipidomic Insights from Centenarians and Their Offspring**

13.45–14.00 h.

Chronic diseases, Surgery and Health Care Program

Speaker: **Rafael Villalobos Mori**, Experimental surgery. Title: **Translational research in abdominal wall surgery: our experience.**

14.00–14.15 h:

Cancer Program

Speaker: **M. Alba Sorolla Bardaji**, Research Group of Cancer Biomarkers (GReBIC). Title: **Liquid biopsy of pleural fluid for the diagnosis of malignant pleural effusions secondary to cancer: what have we learned?**

14.15– 15.30 h

Lunch

15.30–16.00 h

Scientific sessions of the scientific programs of the IRBLleida (continuation)

15.30–15.45 h:

Neurosciences Program

Speaker: **Maria Mulet Fernández**, +Pec Proteomics Group. Title: **Extracellular Vesicle Metaproteomics and the Oral Microbiome: New Frontiers in Dementia Research**

15.45–16.00 h.

Epidemiology, Infectious Diseases and Public Health Program

Speaker: **Alba Muñoz Santa**, Research in clinical microbiology and antibiotic resistance. Title: **Pseudomonas aeruginosa chronic infections in patients with bronchiectasis: a silent reservoir of carbapenemase-producing epidemic high-risk clones.**

16.00–17.15 h

Presentation of 5 outstanding communications

IRBLleida

16.00–16.15 h

Effectiveness of Workplace Exercise Interventions for Spinal Pain Reduction in Sedentary Workers: A Sequential Mixed-Methods Study.

Speaker: **Carles Tersa Miralles**, Research group of health care (GReCS)

16.15–16.30 h

Susceptibility to ferroptosis induction in ARID1A-deficient Endometrial cancer

Speaker: **Manel Albertí Valls**, Oncological pathology

16.30–16.45 h

Circadian clock disruption as a contributor to persistent respiratory dysfunction in survivors of Acute Respiratory Distress Syndrome

Speaker: **Carlos Rodríguez Muñoz**, Translational research in respiratory medicine group

16.45–17.00 h

Nusinersen-like ASO: a potential therapeutic strategy for lymphoid organ pathology in spinal muscular atrophy

Speaker: **Paula Guillaumon Gil**, Experimental Neuromuscular Pathology

17.00–17.15 h

Leiglitazone rescue mitochondrial dysfunction and ferroptotic markers in cellular models of Friedreich Ataxia

Speaker: **Marta Portillo Carrasquer**, Biochemistry of Oxidative Stress

17.15– 18.00 h

Dissemination activity Big Van Ciencia 'The life of a biomedical researcher'

18.00–18.20 h

Scientific sessions

IRBLleida Intramural Research Program (IREP) 2024

Intramural Collaborative Research projects

- PIRS 2024: Collaborative Research Projects to Promote Health Research
- AgroHealth 2024: joint projects IRBLleida and Agrotecnio
- ProBiGene 2024: joint projects IRBLleida and Centre for Genomic Regulation (CRG)
- ISP 2024: Innovation Seed Projects in Biomedicine

Intramural Talent Support

- RO researchers: Master students fellowships
- RO researchers: Research initiation fellowships 2024
- R1 researchers: Fourth year PhD fellowships 2024
- R1 researchers: four-year PhD fellowships
- R2 researchers: postdoctoral fellowships
- International mobility fellowships – AMI 202

High School Research Project Award 2024

IRBLleida 4th Annual Symposium awards

- Outstanding publications 2024 awards
- Outstanding oral communications 2024 awards
- Outstanding poster communications 2024 awards

18.20–18.25 h Closing