

Scientific committee

- Arlicot Nicolas : Tours
- Bodet-Milin Caroline : Nantes
- Bourgeois Mickaël : Nantes
- Chérel Michel : Nantes
- Kraeber-Bodéré Françoise : Nantes
- Payoux Pierre : Toulouse
- Valable Samuel : Caen

Organizing committee

- Gaugler Marie-Hélène : Labex IRON, University of Nantes
- Espejo Giancarlo : University of Nantes
- Le Penne Anne : IRC TransForMed, University of Nantes

CONTACT

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THEY SUPPORT US



13^e
edition

1
day

14
symposium

1300
participants

JOURNÉES SCIENTIFIQUES

For the 13th year, Université de Nantes is holding the Science Days: 'Journées Scientifiques'.

The special feature of this event - 1 day in 1 venue – is the bringing together of research professionals. The objective is twofold: to promote the actors and research activities of the university's laboratories and to encourage exchanges in order to stimulate the emergence of new projects and thus explore an ever-increasing number of new research fields so as to meet the challenges of tomorrow.

Over the 12 years over which the event has been held - from 2008 to 2019 - the Science Days have welcomed more than 15,500 delegates, including 12% from abroad.

LA CITÉ

5 rue Valmy, Nantes

Bus ligne n°4, stop « Cité internationale des congrès »



UNIVERSITÉ DE NANTES

JOURNÉES SCIENTIFIQUES UNIVERSITÉ DE NANTES

SYMPOSIUM

06

Amino acids as diagnostic and therapeutic tools in nuclear medicine?

29.05.20
LA CITÉ, NANTES

js.univ-nantes.fr



UNIVERSITÉ DE NANTES



SYMPOSIUM

06

Amino acids as diagnostic and therapeutic tools in nuclear medicine?

This international symposium will deal with different aspects on amino acids from their metabolism in physiological and pathological conditions, their use as PET tracers in oncology, neurology, and neuro-oncology, to their potential use in radionuclide therapy.

In order to promote discussions and fruitful exchanges, the symposium will proposed only invited lectures, given by national and international speakers. Each session will be followed by discussions that will have to answer the current question: which are the amino acids most adapted to answer the problem of the needs in nuclear medicine?

This symposium remains a unique opportunity to bring together opinion leaders and various actors in these fields.

The symposium is organized by the IRC TransForMed in partnership with the Labex IRON and SIRIC ILIAD.

8h15 - 8h45

Welcoming participants

8h50 - 9h

Welcoming word

Mickaël Bourgeois
CRCINA, CHU, ARRONAX, Nantes,
France

SESSION 1 : Amino acid metabolism in physiological and pathological conditions

Chairs : Nicolas Arlicot,
Mickaël Bourgeois

9h - 9h30

Interorgan amino acid exchange in healthy humans

Dominique DARMAUN,
University of Nantes, France

9h30 - 10h

Implication of glutamatergic metabolism in neurodegenerative and psychiatric pathologies

Débora LANZMASTER,
University of Tours, France

10h - 10h30

Amino acid interorgan exchanges during cancer and their clinical consequences

Yves BOIRIE,
University of Clermont-Ferrand, France

10h30 - 10h45

Discussion

10h45 - 11h15

Coffee break

SESSION 2 : Amino acids for diagnostic imaging in oncology

Chairs : Caroline Bodet-Milin,
Françoise Kraeber-Bodéré

11h15 - 11h45

Amino acids as emerging targets in cancer

Roch-Philippe CHARLES,
University of Bern, Switzerland

11h45 - 12h15

Amino acid for diagnostic imaging in prostate and other solid tumours

Cristina NANNI,
University of Bologna, Italy

12h15 - 12h45

Fluorodihydroxyphenylalanine (¹⁸F) in functional imaging of neuroendocrine neoplasms

Sona BALOGOVA,
Tenon Hospital, France & St. Elisabeth
Oncology Institute, Slovakia

12h45 - 13h

Discussion

13h - 14h

Lunch break

SESSION 3 : Amino acid PET tracers in neurology and neuro-oncology

Chairs : Pierre Payoux,
Samuel Valable

14h - 14h30

The contribution of PET amino acid tracers to the management of brain gliomas

Jean-Michel DERLON,
University of Caen, France

14h30 - 15h

Application of radiopharmaceuticals for glutamate receptor system PET imaging

Nicolas ARLICOT,
University of Tours, France

15h - 15h30

Opportunities and diagnostic challenges of PET amino acid radiopharmaceuticals in neuro-oncology

Pierre PAYOUX,
University Hospital of Toulouse, France

15h30 - 16h

Amino acids and gliomas: towards multiparametric PET

Antoine VERGER,
University of Nancy, France

16h - 16h15

Discussion

SESSION 4 : Interest of amino acids for radionuclide therapy ?

Chairs : Michel Chérel

16h15 - 16h45

CXCR4 - directed theranostics in oncology

Constantin LAPA,
University Hospital of Augsburg,
Germany

16h45 - 17h

Discussion

17h

End of the symposium