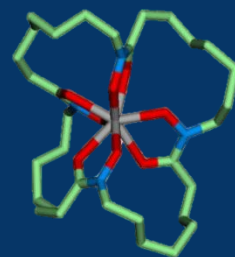
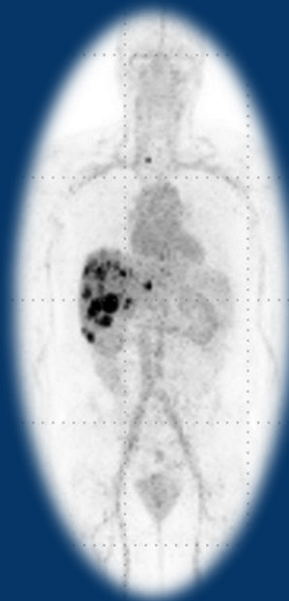
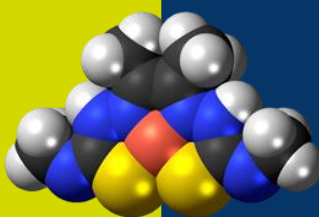
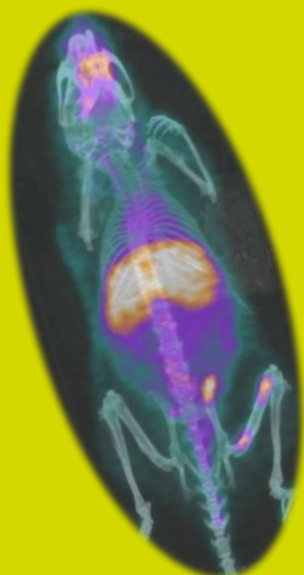


JOURNÉES SCIENTIFIQUES UNIVERSITÉ DE NANTES

Symposium n°7



**Copper-64 and Zirconium-89:
Current status and future challenges
for targeted imaging**



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JUNE 21, 2019

**La Cité
NANTES**

8:15 - 8:45

WELCOMING PARTICIPANTS

8:50 - 9:00

WELCOMING WORDS

Michel Chérel,
CRCINA, ICO, Nantes, FR

SESSION 1: SUPPLY THE RADIONUCLIDE: WHAT SPECIFICATIONS?

9:00 - 9:30

Specifications for production and purification of Copper-64

Cyrille Alliot,
CRCINA, Arronax, Nantes, FR

9:30 - 10:00

Specifications for production and purification of Zirconium-89

Ali Ouadi,
IPHC, Strasbourg, FR

SESSION 2: HOW TO RADIOLABEL EASILY AND SUSTAINABLY ALL VECTORS?

10:00 - 10:30

Does copper need specific radiochemistry?

Alain Faivre-Chauvet,
CHU, CRCINA, Nantes, FR

10:30 - 11:00

Zirconium radiochemistry: new approaches for labelling bioactive molecules

Jason P. Holland,
UZH, Zurich, CH

11:00 - 11:30

COFFEE BREAK

SESSION 3: IMPACT OF METAL METABOLISM ON IMAGING

11:30 - 12:00

Copper metabolism: physiological fixation and impact on image analysis

Mickael Bourgeois,
CHU, CRCINA, Nantes, FR

12:00 - 12:30

**Zirconium metabolism:
does the chelator matter
for bone targeting?**

Danielle J. Vugts,
VUmc, Amsterdam, NL

12:30 - 14:00

LUNCH BREAK

SESSION 4: WHAT ABOUT PRECLINICAL MODELS AND CLINICAL STUDIES?

14:00 - 14:30

**^{64}Cu -ATSM in glioblastoma
and its relation to hypoxia**

Samuel Valable,
ISTCT, Caen, FR

14:30 - 15:00

**PET imaging with ^{89}Zr :
from preclinical studies to
clinical trials**

Clément Bailly,
CHU, CRCINA, Nantes, FR

SESSION 5: RADIATION DOSIMETRY ASPECTS: FROM RADIONUCLIDE PRODUCTION TO IMAGING

15:00 - 15:30

**Copper-64 in nuclear
medicine: a new
radionuclide for therapy, a
theranostic agent or just a
beta-plus emitter for PET
imaging?**

Nicolas Chouin,
Oniris, CRCINA, Nantes, FR

15:30 - 16:00

**Radiation doses from ^{89}Zr -
labeled antibody PET and
how to reduce them**

Joseph A. O'Donoghue,
MSKCC, New-York, USA

16:00 - 16:45

ROUND TABLE

**What is the point of using
Copper-64 and Zirconium-89
in nuclear medicine?**

Scientific committee

- Chérel Michel : CRCINA UMR 1232 Inserm
- Haddad Ferid : Arronax, SUBATECH UMR 6457 CNRS
- Bailly Clément : CHU de Nantes, CRCINA UMR 1232 Inserm
- Oaudi Ali : IPHC UMR 7178 CNRS, Strasbourg
- Bernaudin Myriam: ISTCT, FRE 2001 CNRS, Caen

Organizing committee

- Gaugler Marie-Hélène: CRCINA UMR 1232 Inserm
- Richard Chrystelle: CHU de Nantes
- Espejo Giancarlo: Université de Nantes

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