

## GOALS

Developments of techniques in chemistry, physics, bioengineering, or big data analysis, in association with improvements in the understanding of biological mechanisms, yielded a bloom of new tools for experimental approaches in life sciences. In vivo, in silico and in vitro studies benefit from tools such as OMICs, organoids, bio-artificial organs, use of ex-vivo material, telemetry and non invasive measurements, imaging in vivo and on cellular material. They also make it possible to use both human and animal data, with clinical or epidemiological approaches, in pathological or healthy situations. **Some tools are so innovative that, beyond Replacing, Reducing or Refining existing approaches, they provide totally new information. Besides they offer opportunities to bridge presently separated scientific communities.**

The European platform Ecopa is dedicated to the promotion of the 3R principle (refinement, reduction and replacement of animal experiments) and acts by:

- Dissemination of results obtained in this field
- Promotion of exchanges between the disciplines and especially between the four interested parties (associations, research, authorities, economic actors)

It has teamed up with its national French component FRANCOPA to organize this scientific symposium, which should illustrate the tremendous potential offered by the new tools for the investigation in life sciences. This symposium will allow the stakeholders from the four pillars of Ecopa to find new ways to structure the ethical debate on experiments, at a time where the new tools soften the distinction between experiment and observation, as well as they break some borders between disciplines.



## ATTENDEES

Users of results in upstream and applied research, developers of methods, interested parties in product safety, in human and veterinary medicine, stakeholders NGOs on ethical research...

Following the symposium, a statement will be published.

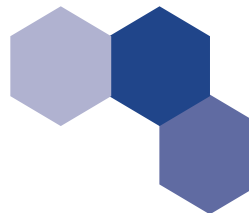


## Practical informations

### Registrations

on Francopa website: <http://www.francopa.fr>

Deadline: 1/10/2018



### Registration fees

Industry, Academic, NGOs : 230 euros

Students : 90 euros

Journalists: contact [francopa@ineris.fr](mailto:francopa@ineris.fr)

### Abstract and poster

Abstract submission for speaker and poster presentations: [francopa@ineris.fr](mailto:francopa@ineris.fr)

Deadline for abstract submission: 15<sup>th</sup> September 2018

For poster and abstract format: <http://www.francopa.fr>

### Place

Amphitheater BUFFON, Paris Diderot University

15 Rue Hélène Brion

75013 Paris-13E-Arrondissement

France



### Access

RER C

Subway line 14 Stop François Mitterrand library

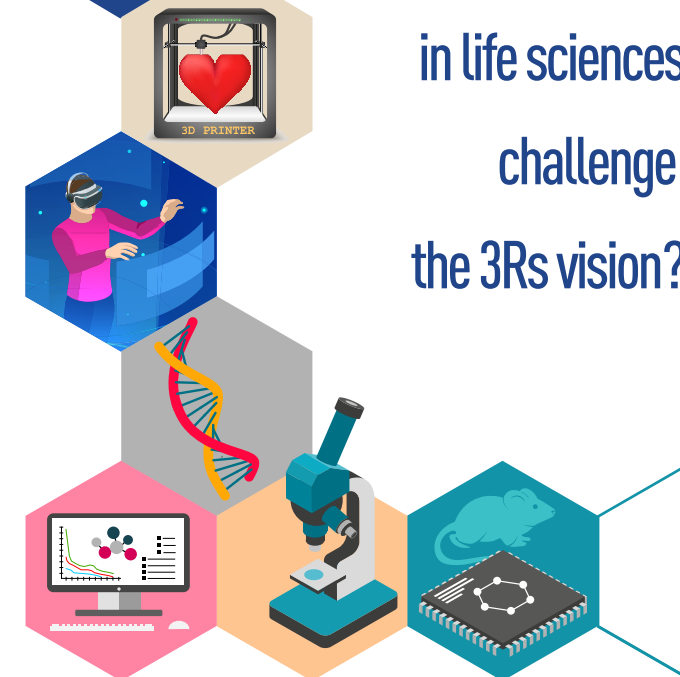
<https://universite.univ-paris-diderot.fr/plan-daccess>

2018

**SYMPOSIUM**

5<sup>th</sup> and 6<sup>th</sup> November 2018 in Paris

How new  
experimental tools  
in life sciences  
challenge  
the 3Rs vision?



**Amphitheater BUFFON,  
Paris Diderot University  
15 Hélène Brion Street**

## SCIENTIFIC COMMITTEE

Nathalie Alepee, *L'Oréal*  
Robert Barouki, *Inserm*  
Joseph-Paul Beaufays, *Université de Namur*  
François Busquet, *Altartax Public Affairs*  
Marie-Christine Chagnon, *Inserm*  
Luisa Ferreira Bastos, *Eurogroup for Animals*  
Laure Geoffroy, *Ineris*  
Tuula Heinonen, *University of Tampere*  
Philippe Hubert, *Ineris*  
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Nathalie Ledirac, *CEHTRA*  
Gregory Lemkine, *WatchFrog S.A.*  
Francelyne Marano, *Université Paris Diderot*  
Cécile Michel, *Anses*  
Michel Plotkine, *Université Paris Descartes*  
Costanza Rovida, *Center for Alternatives to Animal Testing-Europe (CAAT)*  
Catherine Vogt, *Université Claude Bernard Lyon 1*  
Kristina Wagner, *Deutscher Tierschutzbund Akademie*  
Rémy Slama, *Inserm*  
Philippe Vanparys, *Gentoxicon BVBA*

## ORGANISATION COMMITTEE

Henri-Michel Baudet, *Sanoft-Aventis*  
Joseph-Paul Beaufays, *Université de Namur*  
François Busquet, *Altartax Public Affairs*  
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Philippe Hubert, *Ineris*  
Francelyne Marano, *Université Paris Diderot*  
Eric Thybaud, *Ineris*  
Anne Tilloy, *Anses*



## FRANCOPA Members

ANSM - Agence nationale de sécurité du médicament et des produits de santé  
Anses - Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail  
CEA - Commissariat à l'énergie atomique  
CNRS - Centre national de la recherche scientifique  
Febea - Fédération des entreprises de la beauté  
Ineris - Institut national de l'environnement industriel et des risques  
Inra - Institut national de la recherche agronomique  
Inserm - Institut national de la santé et de la recherche médicale  
LEEM - Les entreprises du médicament  
LFDA - La Fondation Droit Animal, éthique et sciences  
Ministère de l'Enseignement supérieur et de la recherche  
Opal - Recherche Expérimentale et Protection de l'Animal de Laboratoire  
SIMV - Syndicat de l'Industrie du Médicament et réactif Vétérinaires  
SPTC - Société de Pharmacotoxicologie Cellulaire  
UIC - Union des industries chimiques



# PROGRAM

## 5<sup>th</sup> November

**Welcome** – 15 min      Francelyne MARANO, FRANCOPA President

**Opening Keynote** – 30 min      Robert BAROUKI, INSERM

### Session 1      System biology and physiopathology

**Keynote 1:** Uwe MARX, TissUse GmbH  
Oral presentations: Applications of new tools to investigate disease and physiology

### Session 2      Organoids and organ on chip

**Keynote 2:** Xavier GIDROL, CEA (to be confirmed)  
Oral presentations: the approaches for organ simulations, from organoids to organ on chip

### Session 3      Omics, Biomaps, Exposome

**Keynote 3:** Thierry RABILLOUD, CEA  
Oral presentations: Development of omics from highthroughput screening to exposome and personalized medicine

## ECOPA GENERAL ASSEMBLY for ECOPA members



## 6<sup>th</sup> November

**Session 4      Education and training in medicine**

**Keynote 4:** Antoine TESNIERE, Illumens  
Oral presentations: Use of new devices such as dummies and simulators in education and trainings

**Session 5      Computational toxicology and drug efficiency**

**Keynote 5:** Paul JENNINGS, Amsterdam University  
Oral presentations: Recent developments in computational biology and toxicology, virtual organs

**Session 6      Telemetry and Imaging**

**Keynote 6:** Gilbert SCHOENFELDER, BfR  
Oral presentations: Cell and small animal imaging and other non invasive methods

## Round Table : Scientific committee

**Conclusion:** Innovation for new tools and new tools for advances in life sciences  
Francesca PISTOLLATO, ECVAM  
Hélène CHRAYE, DG Research and Innovation

## Young Scientist Awards

## Symposium closing