

# Challenging offerings of study and research at Belgian universities



## *Centre for Cosmology, Particle Physics and Phenomenology (Research Institute in Mathematics and Physics)*

### Description

**PhD and postdoctoral research in experimental particle physics with the CMS detector**

The UCL Centre for Cosmology, Particle Physics and Phenomenology (CP3) hosts research on particle detectors, high energy particle physics, phenomenology, theory of the fundamental interactions and cosmology, equally strongly on the experimental and theoretical fronts. The aim of the Centre, that is part of the Research Institute in Mathematics and Physics, is to bring together researchers in these scientific fields and to encourage collaboration.

We are looking for motivated US citizens interested in doing a PhD or postdoctoral stay in our lab to contribute to our activities within the CMS collaboration, either on the analysis of run 2 data (typically, extended scalar sector studies) or on the preparation of the Phase-II upgrade of the CMS tracking system.

### URL of the program or research unit:

<http://cp3.irmp.ucl.ac.be/Experiments/CMS>

### Contact person and e-mail link:

Christophe Delaere - [Christophe.delaere@uclouvain.be](mailto:Christophe.delaere@uclouvain.be)



## DE DUVE INSTITUTE

### Description

The de Duve Institute, founded by Nobel Prize laureate Christian de Duve, is a multidisciplinary biomedical research institute. It is located in Brussels and offers **PhD and postdoctoral positions**. Our research focuses on: **cancer** (cancer immunotherapy; melanoma, blood, liver and pancreatic cancer; signaling in cancer cells; cancer epigenetics), **genetics & development** (genetics of vascular disease; stem cells & organ development), **infections & inflammation** (bacterial stress responses; anti-viral immunity; chronic inflammatory diseases), and **metabolism & hormones** (inherited metabolic diseases & metabolic repair, diabetes, endometrium pathophysiology). Interested US students are invited to contact the head of the laboratory of their choice.

### URL of the program or research unit:

<http://www.deduveinstitute.be/research>

### Contact person and e-mail link:

Nathalie Krack, administrative coordinator - [Nathalie.krack@uclouvain.be](mailto:Nathalie.krack@uclouvain.be)



***INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGIES,  
ELECTRONICS AND APPLIED MATHEMATICS (ICTEAM)***

Description

The Institute of Information and Communication Technologies, Electronics and Applied Mathematics (ICTEAM) is currently home for more than [40 professors](#) and more than 200 researchers. These researchers carry out both basic and applied research in key [fields](#) of information and communication technologies, electronics, computer science and applied mathematics.

URL of the program or research unit:

<http://www.uclouvain.be/icteam>

Contact person and e-mail link:

Professor Jean-Didier Legat, Head of the Institute: [jean-didier.legat@uclouvain.be](mailto:jean-didier.legat@uclouvain.be)



## *Master in European Studies*

### **EUROPEAN STUDIES**

The Institute of European Studies of the Université catholique de Louvain offers two multidisciplinary programs organized jointly with the Université Saint-Louis.

**Master 120 in European Studies** (taught in French and English) gives a thorough understanding of the evolution and the current status of European integration by teaching four disciplines - law and institutions, economics, history and cultures and European policies.

**Advanced Master in European studies** with the same interdisciplinary approach and addressed to students who already have working experience.

URL of the program:

<http://www.uclouvain.be/en>  
<http://www.uclouvain.be/en-prog-2015-euro2m>

Contact person and e-mail link:

Beata Dunaj                      Beata.dunaj@uclouvain.be



## Institut pour la recherche interdisciplinaire en sciences juridiques (JUR- I)

### *Centre for medical and biomedical law*

#### *Description*

The Centre for medical and biomedical law (CDMB) offers an interdisciplinary research environment in health law (Belgian and comparative law, European and international law), bioethics and medical ethics. Research is focused among others on patient's rights, privacy, protection of vulnerable persons, end of life (euthanasia, palliative care), human body material, organ removal and transplantation, genomics, medically assisted reproduction, surrogacy, clinical trials, medical records, health networks, telemedicine, mediation, medical liability, no-fault compensation,...

American students or researchers interested to study in Louvain-la-Neuve for a (pre-) PhD or a postdoctoral research in the fields of health law, bioethics and medical ethics are welcome.

URL of the program or research unit:

<https://www.uclouvain.be/centre-droit-medical.html>

Contact person and e-mail link:

Prof Geneviève Schamps – [genevieve.schamps@uclouvain.be](mailto:genevieve.schamps@uclouvain.be)



## The Center for Family Law (Cefap)

### Description

The Center for Family Law (Cefap) of the Faculty of Law and Criminology leads researches in all fields of Family Law and Family Justice, as Family Forms, Marriage, Divorce, Unmarried Cohabitation, Same-sex relationships, Parentage, Assisted Reproduction Technologies and Surrogacy, Parental Responsibility as well as Successions and Wills and Financial consequences of Marriage and Divorce.

The Cefap is actually leading a worldwide research on the diversification of family patterns and regulation on Adults and Children relationships. In our post-modern societies, children are sometimes in the center of a complex network of links with several adults of both sexes (donor, surrogate, intended parents, biological parents, step-parents, foster-parents) and the law is not always clear regarding how, in such intricate configurations, to recognise, protect and promote valuable relationships.

The purpose of the research project is to give a clear, concise and up-to-date account of the current legal regulation of relationships between adults and children in a wide range of selected countries. It also aims to contribute to the current debates on the future of such regulation by providing useful modelling of possible developments.

### URL of the program or research unit :

<https://www.uclouvain.be/685028.html>

### Contact person and e-mail link:

Prof. Jehanne SOSSON - [jehanne.sosson@uclouvain.be](mailto:jehanne.sosson@uclouvain.be)



## Research project: Economic law and the regulation of online platforms (CRIDES)

### Description

Global online platforms such as Facebook, Google or Amazon, and in particular those behind the 'sharing economy' (Uber, Airbnb, TaskRabbit), are playing an increasing role in the economy by allowing new entrants, including non-professional suppliers, to offer content, goods, services or capital to the users of the platform. The CRIDES research project on the regulation of online platforms focuses on the legal disruptions generated by those platforms: for instance, the traditional notions of work and employee, the taxation of non-professional suppliers, the protection of consumers and privacy, the application of competition law are challenged by the new business models. The research also aims to propose new regulatory tools within the various domains of economic law (labor law, tax law, etc.) and to outline a regulation combining hard and soft law within the EU and national law frameworks.

### URL of the program or research unit:

<https://www.uclouvain.be/crides.html>

### Contact person and e-mail link:

Prof. Alain Strowel - [alain.strowel@uclouvain.be](mailto:alain.strowel@uclouvain.be)