

Olivier Laprévôte, born 1962

Cursus

Pharm. D, 1986

BS Degree in Organic Chemistry, 1987

PhD in Natural Products Chemistry, 1989

Qualification for Research Direction (HDR), 1994

Current position

- Professor of Toxicology (PU-PH 1st class), University Paris Descartes
- Head of the CNRS* 8638 Research Unit, "Organic, Medicinal and Extractive Chemistry & Experimental Toxicology" (*COMETE*), Faculty of Pharmacy, University Paris Descartes
- Head of the Biological Toxicology Department, Lariboisière Hospital, Paris
- French representative at the *International Mass Spectrometry Foundation* Board

Other professional experience

- Previous position: Research Director CNRS* (Institute of Natural Products Chemistry 1999-2008); head of the Mass Spectrometry Laboratory
- Research assistant at CNRS (1989-1999)
- Associate researcher at SOLEIL Synchrotron Facility (Biology and Health Section)
- Member of the Editorial boards of *Journal of Mass Spectrometry*, *European Journal of Mass Spectrometry*, *Analytical and Bioanalytical Chemistry*

Research topics:

The research team « Cellular and Analytical Toxicology » was created by the University Paris Descartes in January 2010 in order to explore new research fields in both experimental and analytical Toxicology. It brings together diverse skills including Toxicology, Analytical Chemistry and Biochemistry. Owing to its cell toxicology facility and its mass spectrometry platform, this team is able to propose multidisciplinary approaches to address complex toxicological issues. Several main axes have been selected including the mechanisms of oxidative stress and cell degeneration.

The research topics in analytical toxicology are mainly focused on lipid markers of toxicity/pathology and epigenetic markers (histones) and concern different fields including neurodegenerative diseases and placental toxicology. Besides such fields of applications, more fundamental studies involve the chemical mechanisms occurring under Atmospheric Pressure Photo-ionization conditions and the gas-phase behavior of photoionized organic compounds. Strong relationships between the research team and the hospital MS facility are very fruitful in terms of translational research and transfer into the "real world" of analytical processes developed in the academic lab.

Total number of publications: 194 (from Web of Knowledge), h 29

Web of Science Categories: Analytical Chemistry (49), Spectroscopy (43), Biochemistry

Molecular Biology (38), Biochemical research Methods (34), Medicinal Chemistry (24), Plant Sciences (21), Physics (21), Toxicology (10)

Honors and Awards:

Grammaticakis-Neuman Award 2006 (French Academy of Sciences),
French-British Award 1998 (French Academy of Sciences, Royal Society, British Council),
Scientia Europaea Selection 1997 (French Academy of Sciences, Rhône-Poulenc Foundation),
Bronze Medal of CNRS 1993

*CNRS: French National Center for Scientific Research