

Philippe Jorens obtained his MD degree at the University of Antwerp (UA) in 1987. He performed his PhD-research at UA and at the Cardiovascular Research, UCSF, San Francisco, USA on the alveolar macrophage as pivotal regulator of the immunological homeostasis. He obtained his PhD degree in 1993 (Title: Nitric oxide and interleukin-8: two mediators released by pulmonary macrophages). After obtaining his recognition as specialist in internal and critical/intensive care medicine, he oriented his research interests towards the inflammatory reaction in acute lung injury, neurological disorders and clinical and analytical toxicology. Currently he is chairman of the department of critical care/intensive care medicine of the Antwerp University Hospital (UZA) and full professor (ZAP in critical care medicine and clinical pharmacology/toxicology) at the UA. He is (co) author of over 400 peer-reviewed papers on diagnosis and treatment of infection and inflammation in translational models of critical illness and environmental sciences. His group has a large expertise in working with laboratory animals, pharmacological models in vivo and cell culture, clinical toxicology and clinical trials.

ORCID number: 0000-0002-5434-957X

Major achievements and research topics:

A. the underlying physiopathology and inflammatory reaction in acute organ failure i.e. the lung and the central nervous system; by combining studies (1) in vitro in advanced cell culture models and (2) in vivo in validated animal and human models (looking at immunology, pharmacology and pharmacokinetics in sepsis, acute lung injury and neurological emergencies).

B. exploring the acute and chronic toxicology of chemicals and the detection in several matrices.

C. Moreover, the clinical department has access to large numbers of phenotypically well characterised patients and experience of conducting investigator initiated trials in patients, especially on the value of biomarkers (10 new trials successfully performed and/or initiated yearly in the period 2012-2025). which is a guarantee for also successfully obtaining relevant patient data and human samples.

Job position/appointment:

TITLE	INSTITUTION	DATES
- Research fellow	University of California, San Francisco, USA, Cardiovascular Research Institute, Department of Pulmonary Medicine	1991-1992
- Specialist in Internal Medicine	University of Antwerp (UA)	30.11.1993
- Associate Professor (10%)	Department of Critical Care Medicine, University of Antwerp (UA)	01.01.2000
- Associate Professor (60%)	Clinical Pharmacology and Pharmacotherapy / Toxicology, (UA)	01.10.2000
- Full Professor (60%)	Clinical Pharmacology and Pharmacotherapy / Toxicology / UA	01.04.2003
- Full professor (100%) Chairman	Department of critical care medicine ,UZA,UA	01.10.2008
- President	Medical Council, Antwerp University Hospital (UZA)	2007 - ...

Scientific awards:

- 1987: Specia, Department of Medicine, UIA (UA)
- 1988: Radiology, UZA, Agfa-Gevaert award
- 1990: [Geneeskundige Dagen van Antwerpen,] Prize: Royal Medical Society of Antwerp
- 1990: Free podium radiology, UZA
- 1992: Association of American Physicians, Trainee Investigator Award (travel award)
- 1994: MSD-award of the Belgian Society of Infectiology and Clinical Microbiology. Title: Studies on the release of the mediator nitric oxide from alveolar macrophages: a role for lipopolysaccharide and fungi.
- 1995: Award of the Belgian Society of Intensive Care and Emergency Medicine (International jury). Title: the role of interleukin-8 in ARDS
- 1995: Allen Lecturer's Award of the Belgian Society of Respiratory Medicine. Title: Potential role of Clara cell protein in acute lung injury.
- 1998: Boehringer-Ingelheim Prize of the Belgian Society of Respiratory Medicine (International jury). Title: Cytokine-networks in the lung and airways. Tools for pharmacological interaction.

Publications: (co-) author of > 400 peer-reviewed publications 12500 WoS citations, H-index: 61 (WoS).