

Xavier PANNECOUCKE  
Professeur at INSA of Rouen

49 years old  
Married, 3 child.



## TITLES and DIPLOMAS

### **Habilitation à Diriger des Recherches** (Habilitation to supervise PhD Thesis)

Defended at the University of Rouen, April 24<sup>th</sup>, 2002.

President of the Jury : Pr. J.-C. QUIRION. Members of the jury : Dr. F. AGBOSSOU, Pr. J.-M. BEAU, Pr. P. LEROUGE, Dr. C. MIOSKOWSKI.

### **PhD in Organic Chemistry with honours**

Defended at University Louis Pasteur-Strasbourg, September 24<sup>th</sup>, 1993,

Title: "Synthesis of mixed phosphodiester oxisterol-carbohydrate for a cellular targeting approach. Physicochemical studies of oxisterol-membrane interactions".

PhD supervisor: Dr. B. LUU, Président of the Jury : Pr. G. OURISSON.

## WORK EXPERIENCES

- 1990-1993: PhD, Dr B. Luu & Prof. G. Ourisson, Centre de Neurochimie, Strasbourg, France.
- 6-1994 to 6-1995: 1<sup>st</sup> Post-doctoral position, Prof. K. Narasaka laboratory, The University of Tokyo, Japan.
- 07-1995 to 08-1996: 2<sup>nd</sup> Post-doctoral position, Pr. S.V. Ley laboratory, University of Cambridge, GB. (Synthesis of complex oligosaccharides)
- 9-1996 to 11-2003: Maître de Conférences equivalent to assistant professor, University of Rouen (Asymmetric synthesis, alkaloid, synthesis of ligand for asymmetric catalysis)
- From december 2003: Professeur des Universités equivalent to full professor at the INSA of Rouen. Leader of the research team « synthesis of fluorinated biomolecules », Director laboratory C.O.B.R.A.

## PRESENT RESEARCH INTEREST

### **Synthesis of fluorinated biomolecules:**

- Peptidomimetic : fluorinated olefins as peptidic bond surrogate
- Non hydrolysable glycoconjugates
- Asymmetric synthesis of small fluorinated synthons or molecules.

**Chemical biology:** Specific tag of oligosaccharides, applications in plant glycobiology and study of glycosyl-transferase activities

## SCIENTIFIC ACTIVITIES

Three patents, 128 research articles in international journals (6 Angew. Chem., 11 Chem. Eur. J., 10 Org. Lett., 1 Chem. Commun., 12 J. Org. Chem., 1 ACS Catal., 1 Adv. Synth. Cat., 1 ChemBioChem, 16 Eur. J. Org. Chem, 6 Org. Biomol. Chem., 1 RSC Adv., 2 Org. Chem. Front., 13 Tetrahedron, 3 Tet Asym., 11 Tet Lett., 4 Synthesis, 7 Synlett, 1 Bioorg. Med. Chem. Lett....) and 43 invited lectures.

## ADMINISTRATION OF SCIENCE

- Director (January 2011-present) of the laboratory COBRA (Organic and Bioorganic Chemistry ; Reactivity and Analysis), UMR-CNRS-6014. Laboratory specialized in organic synthesis and spectroscopy, with 80 permanent staffs and more than 85 PhD and post-doctoral fellows.
- Coordinator of the Laboratory of Excellence SynOrg (Organic Synthesis: From molecule to Life Sciences; 8 millions €, 2012-2020).
- Responsible of the interregional network CRUNCH (more than 250 researchers and a budget of more than 650 k€ per year).