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**Institute of Chemistry & Biology of  
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UMR5248, CNRS, Université de Bordeaux  
Institut National Polytechnique Bordeaux-Aquitaine  
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### Education & Prizes

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1983 Ph.D. "Biophysics", Ottawa University/National Research Council of Canada  
1986 D.Sc. « Thèse d'Etat es Sciences », Université Bordeaux 1, France  
1982 Best teaching assistant, University of Ottawa  
1983 Best Ph. D. Thesis at the Ottawa-Carleton institute of graduate studies  
1987 Alexander von Humbolt award (University Stuttgart)

### Duties

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2017- Deputy Scientific Director, Institut de Chimie (INC), CNRS headquarters, Paris  
2006-2017 Institute Director, UMR 5248, CBMN, Bordeaux  
1994- Director of Research (PI), CNRS & Associate Professor, University Bordeaux  
1983-1994 Junior Scientist CNRS, Bordeaux

### Laboratories

2006- CBMN UMR5248 CNRS-Université Bordeaux-Institut National Polytechnique Bordeaux, Pessac, France  
2003-06 MOBIOS UMR5144 CNRS-Université Bordeaux 1, Pessac, France  
2000-02 IECB FRE CNRS 2247, Pessac, France  
1998-00 IECB, Institut Européen de Chimie et Biologie - Ecole Polytechnique, Talence, France  
1988-98 CRPP, Centre de Recherche Paul Pascal, UPR CNRS 8641, Pessac, France  
1987 Dept Physical-Chemistry, Universität Stuttgart, Stuttgart, Germany  
1983-86 CRPP, Centre de Recherche Paul Pascal, UPR CNRS 8641, Pessac, France  
1980-83 Molecular Biophysics, National Research Council of Canada, Ottawa, Canada

### Scientific Production

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150 Publications in peer reviewed journals, 41 Proceedings papers  
130 Invited conferences, 230 oral communications & posters, 12 Book Chapters, 4 edited books, 41 PhD supervision  
*ISI WEB (May 2017): > 4400 cites, h=39. Google Scholar (May 2017): > 5500 cites, h= 43, i10=115*

### Management of Science

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#### Directions

2006-2017 Institute Director, UMR5248 CBMN (AERES 2010: A+, HCERES 2015: Best interdisciplinary Unit)  
2006- Director Euskadi-Nouvelle-Aquitaine NMR network, Executive Board IR-RMN (Large scale facility)  
1992-2016 Team Director in laboratories CRPP, IECB, MOBIOS, CBMN

#### Expertise

2016- FREPACES (French Pakistani Centre for Science), French Ministry of Foreign Affairs  
2011-2016 CEFIPRA/IFCPAR Scientific Council (Indo French Centre for Promotion of Advanced Research)  
2010-2014 INSB CNRS Scientific Council (Institute of Biology at CNRS), ILL Scientific Council (Neutrons)  
2004-2008 National Committee for Science, sections 16 & CID 44  
2000- University Committees, (Bordeaux, Nantes, Toulouse, Paris, Strasbourg, ...) & Expert 5, 6 & 7° EU  
2003-2009 Editorial Board Eur Biophys J, J Chem Biol, Editor Wiley & Springer Encyclopaedia  
1986- Referee for more than 15 journals & national/international panels (ANR/HCERES/MRC/NSF...)

#### Grants

1987- 37 grants academic or industrial (ca. 9 M€, including grants for 8 NMR spectrometers (100 to 800 MHz))

#### Miscellaneous

2003-2017 Eur Biophys Soc Ass (EBSA), President, Int Un Pure Appl Biophys (IUPAB) Scientific Council  
1986-2017 GERM President, SFC Aquitaine President, GEM & GFPP president, SFB Vice-president, CNB President

### Teaching, supervision & diffusion of science

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1989-2016 Teaching (40-50 h/year) University Bordeaux & Engineering Schools.  
2001-2014 Director DEA SMPM (2001-03), Master Biochemistry/Biophysics M2 (2005-13), University Bordeaux  
1987- Supervision of 41 PhD theses, 22 Master Theses, 12 post docs & 3 Staff scientists & 3 engineers  
1987- Organisation or co-organisation of 19 congresses & 4 international schools

### 5 Selected Publications

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- Garenne, D., Beven, L., Navailles, L., Nallet, F., Dufourc, E. J., and Douliez, J. P. (2016) Sequestration of Proteins by Fatty Acid Coacervates for Their Encapsulation within Vesicles. *Ang Chem Int Ed* [IF=12], 55, 13475-13479
- Grelard, A., Guichard, P., Bonnafous, P., Marco, S., Lambert, O., Manin, C., Ronzon, F., and Dufourc, E. J. (2013) Hepatitis B subvirus particles display both a fluid bilayer membrane and a strong resistance to freeze drying: a study by solid-state NMR, light scattering, and cryo-electron microscopy/tomography. *Faseb J* [IF=6], 27, 4316-4326
- Uzureau, P., Uzureau, S., Lecordier, L., Fontaine, F., Tebabi, P., Homble, F., Grelard, A., Zhendre, V., Nolan, D. P., Lins, L., Crowet, J.-M., Pays, A., Felu, C., Poelvoorde, P., Vanhollenbeke, B., Moestrup, S. K., Lyngso, J., Pedersen, J. S., Mottram, J. C., Dufourc, E. J., Perez-Morga, D., and Pays, E. (2013) Mechanism of Trypanosoma brucei gambiense resistance to human serum. *Nature* [IF=38], 501, 430-+
- Cala, O., Pinaud, N., Simon, C., Fouquet, E., Laguerre, M., Dufourc, E. J., and Pianet, I. (2010) NMR and molecular modeling of wine tannins binding to saliva proteins: revisiting astringency from molecular and colloidal prospects. *Faseb J* [IF=6], 24, 4281-4290
- Loudet, C., Diller, A., Grelard, A., Oda, R., and Dufourc, E. J. (2010) Biphenyl phosphatidylcholine: A promoter of liposome deformation and bicelle collective orientation by magnetic fields. *Prog. Lipid Res.* [IF=11], 49, 289-297.

### Domains of interest

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Membrane Biophysics & Solid/liquid state NMR; Lipids & Sterol-Rafts; Antimicrobial Peptides & Membrane Proteins; Colloids in Health & Nutrition; Magnetic Properties of Bio-mimetic Membranes & Bones. Lipid & Peptide Chemistry.