

## CV Prof. Alberto Spisni

- 1972 graduated with full marks and honours in Industrial Chemistry at the University of Bologna, Italy.

### ACADEMIC APPOINTMENTS

- 1973-77 Postdoc, Inst. Biological Chemistry, Faculty of Medicine, Univ. Bologna, Italy
- 1977-79 Postdoc and Research Associate, Laboratory of Molecular Biophysics, Medical School, Univ. Alabama, Birmingham, Ala., U.S.A..
- 1979-86 Ricercatore Universitario, Inst. Biological Chemistry, Faculty of Medicine, Univ. of Parma, Italy.
- 1983-84 Visiting Assistant Professor, Dept. Physiology and Biophysics, Health Sciences Centre, Univ. Illinois, Chicago, Ill., U.S.A.
- 1986 until now Full Professor of Biochemistry, Medicine Faculty, Univ. Parma, Italy.

### ACADEMIC FELLOWSHIPS

- 1973: Visiting Scientist, Dept. Molecular Sciences, Univ. Warwick, UK.
- 1976: CNR Fellowship, Nencki Institute of Experimental Biology, Warsaw, PL.
- 1985: Visiting Assistant Professor, Dept. Physiology and Biophysics, Health Sciences Centre, Univ. Illinois, Chicago, Ill., USA.
- 1986, 1987, 1989 and 1992: Visiting Professor, NMR and Data Processing Laboratory, Dept. Chemistry, Univ. Syracuse, Syracuse, N.Y., USA.
- 1989, 1993 and 1995: Visiting Professor, Inst. Física e Química, Univ. São Paulo, São Carlos, S.P., Brazil.
- 1997: Visiting Professor, Dept. Farmácia, Univ. São Paulo, São Paulo, S.P., Brazil.
- 1997 - 1999: Visiting Researcher, Laboratório Nacional de Luz Síncrotron (LNLS), Campinas, SP, Brazil
- 2000 - 2005: Scientific Director of Biomolecular NMR Laboratory, Centre for Molecular and Structural Biology, LNLS, Campinas, SP.

### OTHER APPOINTMENTS

- 1987 - 89 Vice-Director Centro Interfacoltà di Misura (C.I.M.), Univ. Parma.
- 1989 - 92 member COMAC-BME Project, EC "In vivo tissue characterization by MRI and MRS".
- 1989 - 99 Director Inst. Biological Chemistry, Faculty of Medicine, Univ. Parma, Italy.
- 1989 - 96 founding member Centre for Research and Studies on Biomedical Instrumentation (C.R.S.T.B.S.), AREA Science Park, Trieste, Italy.
- 1993 - 99 Director "Centro Interfacoltà Misura (C.I.M.)" (Interfaculty Center for Measurements), Univ. Parma, Italy.
- 1993 - 2000 President " Interdivisional Group of Magnetic Resonance (G.I.R.M.)", Italian Chemistry Society (S.C.I.).
- 1993 - 2001 President "Italian Discussion Group of Magnetic Resonance (G.I.D.R.M.)".
- 1994 - 96 member of the Project Management Group (PMG), EC Biomed project: "Quantitative MRI".
- 1994 - 97 member Board of "Consorzio Interuniversitario di Metodologie Chimiche Avanzate", (C.I.M.C.A.).
- 1997 - 2001 member Project Management Group (PMG) EC project COST B11 "Quantitation of Magnetic Resonance Image Texture".
- 1997 - 2003 scientific director of NMR Laboratory "Porto Conte Ricerche" Centre, Alghero (SS), Italy.
- 2000 until now member Board " Interdipartimental Centre for Measurements (C.I.M.)", Univ. Parma, Italy.

- From 2000 - 13 Director Dept. Experimental Medicine, Faculty of Medicine, Univ. Parma, Italy.
- 2001 - 04 member panel International Biomedical Programme of Scientific Organization "The Wellcome Trust", UK.
- 2003 - 07 member Project Management Group (PMG) EC COST B21 "Physiological Modeling of MR Image Formation".
- 2007 - 13 Delegate Rector Univ. Parma. for "Interactions with Enterprises, Institutions and Agencies External to the University".
- 2011 until now member elected Council "Italian Society of Biochemistry and Molecular Biology" (SIB).
- 2010 until now President of Bachelor of Science in Midwifery, University of Parma

### **ORGANIZING ACTIVITY**

- National Meeting of the "Italian Discussion Group of Magnetic Resonance", (G.I.D.R.M.), Parma, Italy, 1988, 1994 - 99, 2001, 2011
- 1st Latin American Protein Society Meeting, Angra dos Reis, RJ, Brazil, 2004
- Advanced UNESCO Training Course on "Metabolomics", Parma, Italy, 2006
- Meeting "Proteine 2010", Parma 2010
- International Workshop: "Taste and food acceptance: chemistry and molecular biology of sweet, bitter and umami tastes.", Procida Italy, 2010

### **SCIENTIFIC PUBLICATIONS**

Until now he has published 134 articles in international and national journals. In the Citation index he has more than 2000 citations. H-index: 21 (2015)

### **CURRENT RESEARCH ACTIVITY 2009 - until now**

a) Structural Biology: Integration of multinuclear, multidimensional NMR spectroscopy, Circular Dichroism, fluorescence spectroscopy, molecular biology and molecular dynamics calculations for the study of the solution structure and dynamics of proteins and biologically active peptides. Aims are: to discover new protein folds and to understand the mechanism of action of those molecules; to develop a vaccine for the therapy of asthma in children

b) Application of Magnetic Resonance Imaging (MRI) and high resolution NMR in food industry. To develop protocols based on Magnetic Resonance Imaging and Magnetic Resonance Microscopy for the certification of the quality of various food products. Studies on ham, cheese and pasta. High resolution <sup>1</sup>H and <sup>13</sup>C NMR to analyse quality and geographic origin of olive oil.