

FABRE Bruno

Director of Research at CNRS

Born in Roanne (France), 52 years old

Institut des Sciences Chimiques de Rennes, U.M.R. N° 6226 CNRS/ University of Rennes 1

Matière Condensée et Systèmes Electroactifs (MaCSE) - Campus de Beaulieu, Bat. 10C, 35042 Rennes, France

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EDUCATION

2000	Accreditation to supervise research in Chemistry, University of Rennes, France
1994	Ph.D. Degree in Chemistry - Expertise: Electrochemistry, University of Grenoble, France
1990	Engineering Diploma in Electrochemistry, Grenoble, France

APPOINTMENTS

Since 2008	Director of Research at CNRS - University of Rennes 1, France
1995-2008	Researcher Fellow at CNRS - University of Rennes 1, France
2002	Visiting Scientist in the Steacie Institute for Molecular Sciences, National Research Council, Ottawa, Canada (<i>Supervisor: D. D. M. Wayner</i>)

RESEARCH AND PROFESSIONAL EXPERIENCE

Research Interests: Electrochemistry at Metallic and Semiconductor Electrodes; Surface Chemistry; Solar Electrochemical Cells; Photoelectrocatalysis (H₂, CO₂); Micro- and Nanopatterning of Electrode Surfaces; Redox-Active Materials for molecular recognition; Functionalized conducting polymers; Electrochemical Sensors.

122 publications; 20 invited and plenary lectures; h-index: 32 ; Citation: ca. 2400 (Source: Scopus)

FUNDED RESEARCH PROJECTS (WITHIN THE LAST TEN YEARS)

2015-2019	French "Agence Nationale de la Recherche (ANR)", Appel à Projets Générique 2015 <i>Polyoxometalates-based electrocatalysts for high performance energy conversion "CHALCO-CAT"</i> (472,000 €)
2009-2013	French "Agence Nationale de la Recherche (ANR)", Contract N° ANR-09-BLAN-0109-01 <i>Silicon-Bound Redox-active Mono- and Polynuclear Iron Acetylides Complexes: Toward Electro-switchable Optical Devices "METALLOSILIC"</i> (ca. 350,000 €)
2010-2013	French Ministry of Higher Education and Research Grant for PhD student (90,000 €)
2009-2012	French "Agence Nationale de la Recherche (ANR)", ANR-08-BLAN-0161, <i>Hierarchical Interactions by Light-Induced Generation of Heterogeneous Templates "Hi-LIGHT"</i> (597,000 €)
2007-2011	French "Agence Nationale de la Recherche (ANR)", ANR-07-BLAN-0170-02, <i>Elaboration and characterization of transition metal cluster-functionalized surfaces: influence of the cluster immobilization on electronic properties "CLUSTSURF"</i> (430,000 €)

PARTICIPATION TO NATIONAL AND INTERNATIONAL NETWORKS

- French expert in "Observatoire des Micro- et Nanotechnologies OMNT" network dedicated to molecular electronics;
- Member of the International Associated Laboratory CLUSPOM (between Rennes and Novosibirsk, Russia) and Scientific Cooperation International Projet PICS (2015-2017) with Australia

AWARDS

2017-2020	Scientific Excellence Award at CNRS
2011-2014	Scientific Excellence Award at CNRS
2002	NATO Fellowship