

Curriculum Vitae – Alfredo González-Pérez

Full Name Alfredo González-Pérez

Address Sergels väg 9C,
217 57 Malmö
Sweden

E-mail: alfredogp@gmail.com

Nationality Swedish/Spanish

Telephone: +46 07 052 999 55

Skype: alfredogp69

POSITIONS

Senior scientist

2015- **Sydvatten AB/Sweden Water Research AB, Malmö/Lund [Sweden]**
2012-2014 **NBI - Niels Bohr Institute, University of Copenhagen [Denmark]**
2008-2010 **MEMPHYS - Center for Biomembrane Physics, Syddansk Universitet, Odense [Denmark]**
2006-2008 **Kemicentrum, Lund University, Lund [Sweden]*(*Marie Curie Fellow*)**
2005-2006 **ICS - Institut Charles Sadron (CNRS UPR 22), Strasbourg [France]**
2004-2005 **Laboratoire des IMRCP, UMR 5623 Université Paul Sabatier-CNRS, Toulouse [France]**
2003-2004 **Dept. of Applied Physics, University of Santiago de Compostela [Spain]**

Visiting scientist

2016 **Water Resources Engineering, Lund University, Lund [Sweden]**
2010-2011 **Niels Bohr Institute, University of Copenhagen, Copenhagen [Denmark]**
2011 **Zukerberg Institute for Water Research, Ben Gurion University of the Negev [Israel]**

Post-doctoral Training (2001-2003)

2002-2003 **Dept. of Condensed Matter Physics [Spain]**
Postdoctoral Fellowship of the University of Santiago de Compostela
2001-2002 **Dept. of Condensed Matter Physics [Spain]**
Research Assistant, University of Santiago de Compostela

Pre-doctoral Training (1998-2001)

Faculty of Chemistry, Jagiellonian University, Cracow, [Poland]
Faculty of Bioengineering, National University of Entre Rios, Parana, [Argentina]

EDUCATION

05/2018 **Docent i Teknisk vattenresurslära, Lund University [Sweden]**
08/2011 **Master in Sustainable Water Management, Kristianstad University [Sweden]**
07/2001 **Ph.D. Degree in Physics, University of Santiago de Compostela [Spain]**
Dept. of Condensed Matter Physics, Graduated Summa Cum Laude
02/1998 **Master Degree in Physics, University of Santiago de Compostela [Spain]**
Dept. of Condensed Matter Physics, University of Santiago de Compostela
1996-1997 **Curso de Aptitud Pedagógica (CAP) (habilitation for teaching)**
University of Santiago de Compostela [Spain]

SUPERVISION

Some former students:

Jorin Diemer	Bachelor, Niels Bohr Institute, University of Copenhagen, Denmark
Marius Tving Stauning	Bachelor, Niels Bohr Institute, University of Copenhagen, Denmark
Jacob Hamfeldt Kold	Bachelor, Niels Bohr Institute, University of Copenhagen, Denmark
Kadla Røskva Rosholm	Master Thesis, University of Southern Denmark, Denmark
Clotilde Ribault	Stage Master 2, Université Paul Sabatier/CNRS, France
Elena Blanco Castineiras	Master Thesis, University of Santiago de Compostela, Spain

TEACHING

2012-2014 **Biophysics of Membranes, Niels Bohr Institute, University of Copenhagen, Denmark**
2004-2013 Different lectures and seminars in Universities of France, Sweden and Denmark

2002-2004 **Biophysics**, Dept. Applied Physics, USC, Spain
1996/97-2000/01 **Laboratory of Thermodynamics**. Dept. of Condensed Mater Physics, USC, Spain

PARTICIPATION IN PROJECTS (*as a PI, co-applicant or researcher*)

2012- **Physical Biology of Excitatory Membranes - nerves, anesthesia and membrane permeability**
(Villum Foundation Project VKR 022130) *contract*
2009-2010 **Industrial Biomimetic Watermembrane** (HTF Project) *contract*
2008-2009 **MEMBAQ: Incorporation of Aquaporins in Membranes for Industrial Applications** (EU project)
2006-2008 **NeoNuclei: Transcription-competent synthetic analogues of cell nuclei**
EU Project (Contract No 12967 NEST) *contract*
CIPSNAC: Colloidal and Interfacial Properties of Synthetic Nucleic Acid Complexes
EU Marie Curie Network (Proposal Number: 504932) *contract*
2006- **Development of a Bioartificial Pancreas for Type I Diabetes Therapy**
EU Project (NMP3-CT-2003-505614) *contract*
2005-2006 **Studies on the aggregation properties of fluorinated surfactants** (Project – Spanish Government) *PI*
2004-2005 **DNA complexation with polynorbornene polycation polymers** (Project – Xunta de Galicia, Spain) *PI*
2003-2004 **Highly Fluorinated Materials as colloidal systems and their Biotechnological Applications**
Spanish Ministry of Science and Technology (MAT2002-00608) *contract*
2003-2005 **Self-assembly properties of alkyl-piridinium, colidinium and dimethylbenzylammonium amphiphiles**
Xunta de Galicia, Spain (PGIDIT03PXIB2060) *co-applicant*

MAIN RESEARCH INTEREST

Water purification technologies / environmental remediation / IoT
Biomimetic block copolymer membranes
Fluorinated IPA membranes and biomedical applications
Electromechanical signal propagation in neurons
Control DNA conformation using non-biological agents

PUBLICATIONS

76 papers published in more than 25 different peer-reviewed International Journals.
More than 1500 citations and H-index = 21 according to Google Scholar Citations.
ResearcherID: C-1104-2009, ORCID: 0000-0002-2333-8106.

CONFERENCES-WORKSHOPS

More than 60 Communications in international meetings within the main research topics.

EXPERIENCE

Experimental techniques: Voltage-Clamp, Dynamic-Static Light Scattering, X-ray diffraction (XRD) and SAXS, Electrophoretic Mobility (zeta potential), Optical Microscopy (fluorescence), Transmission Electron Microscopy TEM [Cryo-fracture TEM (developer)], Atomic Force Microscopy (AFM), Langmuir Films/ Langmuir-Blodgett, Calorimetry, Conductimetry, Density and Sound Velocity in liquids and other basic techniques in physical chemistry Labs. I have learnt how to work with a wide spectrum of experimental techniques in physical chemistry.

LANGUAGES

English and French: *written and spoken (Good Level)*
Spanish and Galician/Portuguese: *native*
Swedish: (*Kursnivå 2/A2 Folkuniversitetet*) (*Basic Level*)

OTHER SKILLS

I like to work in friendly, international environments and I have an open mind to make the most of new ideas and encourage people working with me to accomplish their goals. I am interested in environmental, economic and social issues related with the water-energy interlink. My main hobbies are; photography, history of ancient civilizations and languages as well as several outdoor activities like hiking and running.

WEBS: <http://www.gonzalez-perez.sitew.com/> and <https://alfredogp.wixsite.com/hesperides>