



Exponent®
Engineering & Scientific Consulting

Cristina Porro, Ph.D.

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Professional Profile

Dr. Porro is a Managing Scientist in the Biocides team based in the UK. She holds a PhD in Computational Chemistry from the University of Manchester and has over 10 years' experience in regulatory affairs working in industry. Her work includes managing active substance approvals and biocidal product registrations in the EU. She also has a wealth of knowledge in a range of regulations including GHS/CLP, REACH, PPP, PIC, the transport of dangerous goods, Detergents, and Safety Data Sheet authoring, as well as having experience of managing registrations projects for pesticide and plant protection product registrations outside the EU.

Prior to joining Exponent, Dr. Porro has worked for companies ranging in size from small family-run businesses to multinationals and has thus developed a keen commercial awareness.

She has many years of experience managing large product registration plans, including both renewals and new product registrations, liaising with competent authorities and consultants. In addition, she is skilled in supporting clients with their product registrations, together with providing regulatory guidance and strategic advice to support portfolio maintenance and market expansion.

Dr. Porro has also been the regulatory lead on a number of new product development projects as well as advising on regulatory strategy and product stewardship.

Academic Credentials & Professional Honors

Ph.D., Chemical Engineering and Analytical Science, University of Manchester, UK, 2011

M.Sc., Molecular Modelling, Cardiff University, Wales, 2006

B.Sc., Chemistry, Cardiff University, Wales, 2003

Prior Experience

Regulatory Specialist, Hygiene Homecare and Laundry, Arxada (formerly Lonza) 2021-2022

Regulatory Professional, Hygiene Homecare and Laundry, Arxada (formerly Lonza), 2017-2021

Lead Regulatory Specialist, Pesticides and Plant Protection Products, Hockley International Ltd, 2017

Regulatory Affairs Officer, Pesticides and Plant Protection Products, Hockley International Ltd, 2014-2016

Product Support Coordinator, Apollo Scientific Ltd, 2011-2014

Languages

Italian

Japanese

Publications

Sam P de Visser, Cristina S Porro, Matthew G Quesne, Mala A Sainna, Andrew W Munro. Overview on theoretical studies discriminating the two-oxidant versus two-state-reactivity models for substrate monooxygenation by cytochrome P450 enzymes. *Curr Top Med Chem*. 2013;13(18):2218-32 . DOI: 10.2174/15680266113136660155

Cristina S Porro, Devesh Kumar, Sam P de Visser. Electronic properties of pentacoordinated heme complexes in cytochrome P450 enzymes: search for an Fe(I) oxidation state. *Phys Chem Chem Phys*. 2009; 11(43):10219-26. DOI: 10.1039/b911966c

Cristina S Porro, Michael J Sutcliffe, Sam P de Visser. Quantum mechanics/molecular mechanics studies on the sulfoxidation of dimethyl sulfide by compound I and compound 0 of cytochrome P450: which is the better oxidant? *J Phys Chem A*. 2009;113(43):11635-42. DOI: 10.1021/jp9023926

Elizabeth Godfrey, Cristina S Porro, Sam P de Visser. Comparative quantum mechanics/molecular mechanics (QM/MM) and density functional theory calculations on the oxo-iron species of taurine/alpha-ketoglutarate dioxygenase. *J Phys Chem A*. 2008;112(11):2464-8. DOI: 10.1021/jp710999v

Philip R Balding, Cristina S Porro, Kirsty J McLean, Michael J Sutcliffe, Jean-Didier Maréchal, Andrew W Munro, Sam P de Visser. How do azoles inhibit cytochrome P450 enzymes? A density functional study. *J Phys Chem A*. 2008;112(50):12911-8. DOI: 10.1021/jp802087w