

Exponent®
Engineering & Scientific Consulting

Barry Dodd, Ph.D.

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Professional Profile

Barry Dodd, Ph.D., is a senior managing scientist in Exponent's Chemical Regulation & Food Safety practice with nearly 20 years of experience in biocidal products regulation, chemical regulatory affairs, and market authorization strategy. He specializes in biocidal product authorisations, active substance approvals and renewals, regulatory strategy, product classification, and market access, advising clients on complex scientific and regulatory challenges.

Dr. Dodd offers a broad cross-sector regulatory perspective, with experience spanning biocides, over-the-counter (OTC) medicines, medical devices, cosmetics, pesticides, and plant protection products. His career across government, industry, academia, and consultancy provides first-hand insight into how regulatory requirements are assessed, interpreted, and implemented, enabling him to develop pragmatic strategies for complex and borderline products.

Areas of Expertise

- EU and UK biocides regulation
- Biocidal product authorisation
- Active substance approval and renewal
- Biocide regulatory strategy
- Product classification and borderline products
- Regulatory pathway and market access strategy
- Regulatory authority liaison
- Dossier development and regulatory review
- Mutual recognition and Union authorisation
- Post-authorisation and product lifecycle support
- Analysis of alternatives
- Technical equivalence

EU BPR Regulatory Strategy

Dr. Dodd advises clients on regulatory strategy and market access under the EU Biocidal Products Regulation (BPR), with experience spanning active substance approvals and renewals, product authorisations, mutual recognition, Union authorisation, and post-authorisation requirements. His work covers disinfection, preservation, and pest control, with particular experience in professional hygiene and

homecare applications. He helps clients address complex regulatory challenges, develop pragmatic compliance strategies, and achieve and maintain market access throughout the product lifecycle.

Product Classification and Cross-Sector Regulation

Dr. Dodd's experience across biocides, OTC medicines, medical devices, cosmetics, pesticides, and plant protection products provides a broad perspective on product classification and regulatory pathway selection. He advises on complex and borderline products where regulatory status may be unclear or where multiple EU or UK regulatory frameworks may apply.

Regulatory Strategy and Support

Dr. Dodd provides strategic and technical regulatory advice throughout the product lifecycle, helping clients address complex regulatory issues, develop practical compliance strategies, and achieve and maintain market access in European and international markets.

Prior Experience

Dr. Dodd began his regulatory career with the UK Health and Safety Executive's Chemicals Regulation Directorate (HSE CRD), the UK competent authority for biocides and pesticides, where he spent nearly six years as a regulatory scientist. This was followed by an extensive period in industry at Reckitt and Arxada, where he held senior regulatory roles with responsibility for biocides and related regulated products. This combination of regulatory authority and industry experience gives him valuable insight into both the assessment and practical implementation of regulatory requirements. Dr. Dodd holds a Ph.D. in organic chemistry from Durham University.

Academic Credentials & Professional Honors

Ph.D., Chemistry, Durham University, England, 2008

B.Sc., Chemistry, University College Dublin, 2004

Academic Appointments

Post-Doctoral Research Associate, Northern Institute of Cancer Research (NICR), University of Newcastle, 2008-2009

Prior Experience

Senior Regulatory Manager, Arxada, 2023-2026

Global Regulatory Manager, Reckitt (Hygiene), 2020-2023

Regulaory Associate Manager, Reckitt (Hygiene and Health), 2017-2020

Regulatory Associate, Reckitt, 2016-2017

Regulatory Chemist, AgChem Project Consulting (APC), 2015-2016

Higher Scientific Officer, Health and Safety Executive, 2009-2015

Post-doctoral Research Associate, Northern Institute for Cancer Research, 2008-2009

Publications

Andrey Zaytsev, Barry Dodd, Matteo Magnani, Chiara Ghiron, Bernard T. Golding, Roger J. Griffin, Junfeng Liu, Xiaohong Lu, Iolanda Micco, David R. Newell, Alessandro Padova, Graeme Robertson, John Lunec, Ian R. Hardcastle "Searching for Dual Inhibitors of the MDM2-p53 and MDMX-p53 Protein-Protein Interaction by a Scaffold-Hopping Approach," Chemical Biology and Drug Design November 2014

Presentations

Biocides Symposium 2023 (2-4 May 2023 Copenhagen)

1. The BPR – Practical Implementation and the lessons learned (Day 1)

2. Better consumer education and empowerment to understand and use biocides and disinfectants (Day 2).

Project Experience

Active Substance Approval and Renewal

Managed and supported multiple active substance approval and renewal programmes across Europe and Great Britain.

This work includes:

- Regulatory strategy development
- Data gap analyses and completeness assessments
- Development of data waiver and bridging arguments
- Study placement and monitoring
- IUCLID dossier preparation and maintenance
- Human health and environmental risk assessments
- Dietary and residue risk assessments
- Technical equivalence assessments
- Regulatory authority liaison and responses to evaluating competent authority questions

Biocidal Product Authorisations

Managed and supported biocidal product and biocidal product family authorisation programmes under the EU and UK BPR.

This work includes:

- Regulatory and authorisation strategy
- Dossier preparation and submission
- Biocidal product family applications
- Mutual recognition procedures
- Union authorisation

- Data gap and dossier completeness assessments
- Development of data waivers and bridging arguments
- Coordination of supporting studies and risk assessments
- Responses to competent authority questions
- Post-authorisation maintenance and lifecycle support

Global Biocide Registration and Market Access

Supported biocidal product registration and market access programmes across European and international regulatory frameworks.

This work includes:

- EU and UK BPR regulatory strategy
- K-BPR registration and market access in South Korea
- Assessment of data requirements and regulatory gaps
- Development of global registration strategies
- Alignment of international data packages and regulatory programmes
- Regulatory authority engagement

Analysis of Alternatives

Led and supported analyses of alternatives for substances subject to regulatory scrutiny.

This work includes:

- Identification and screening of potential alternatives
- Technical and regulatory feasibility assessment
- Comparison of alternative substances and technologies
- Assessment of performance and suitability
- Integration of scientific, regulatory, and market considerations
- Development of evidence and justification to support regulatory decision-making

Regulatory Policy and Industry Representation

Represented both industry and the UK competent authority in European regulatory and policy forums.

This work includes:

- Membership of the **Biocides for Europe Management Committee**
- Engagement with industry and European regulators on BPR policy and implementation
- Membership of the **IFRA Joint Advisory Group (JAG)** representing Reckitt
- UK technical representation on pesticide **maximum residue level (MRL) policy under the PPPR**

- Representation of the UK in European Commission Standing Committee/SCoPAFF discussions on pesticide MRLs before Brexit
- Technical input into regulatory policy development and implementation