

# Curriculum Vitae

**Last name, First name:** Duarte-Davidson, Raquel

**Nationality/ies:** Spanish and British

**Overall Scientific Expertise:**

[Based on your educational and professional backgrounds, please summarise (up to 100 words) your scientific expertise (disciplinary areas, competencies, etc.) especially your health and environmental risk assessment expertise and experience in risk assessment (*if applicable*).]

**Professional Experience**

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation <sup>^</sup>
2013 - present	Head of Department	UK Health Security Agency and predecessor organisations	Public health, chemical risk assessment, commissioning of UK poisons information service, environmental, and public health risk assessment, environmental exposures, chemical incident response, climate change and health
2005 - 2013	Senior Programme Manager	Health Protection Agency, UK	Public health management of chemical incidents, environment and health risk assessment
1998 - 2005	Principal Scientist	Environment Agency, UK	Chemical health risk assessment, contaminated land, waste disposal, landfill sites
1996 - 1998	Senior Environmental Toxicologist	Medical Research Council, Institute for Environment and Health, Leicester University	Comparative risk assessment of environmental hazards to health, chemical health risk assessment, fate and behaviour of chemicals in the environment and quantifying exposures to the population and health implications
1994 - 1996	Research Associate	Lancaster University	Environmental assessment, human exposure of chemicals. Sampling and analytical analysis in air, water, soil vegetation, deposition, human tissues and contaminants (organic and inorganic chemical), applied modelling and

			assessment techniques to estimate exposure to local population from contaminated sites
1993 - 1994	Research Scientist	Monitoring and Assessment Research Centre, Kings College, London	Air quality management strategies
1992 - 1993	Research Associate	Lancaster University, UK	Monitoring micropollutants (various matrices) around a suspected point source, assessment of environmental significance of data

### Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
1992	PhD	Lancaster University, UK	Fate and behaviour of organic contaminants in the population
		Manchester University, UK	Pollution and Environmental Control
1988	BSc	University of Newcastle upon Tyne, UK	Agricultural and Environmental Sciences

### Memberships in Learned Societies (*if any*):

- Member of the Advisory Board of the Health Protection Research Unit in Emergency Preparedness and Response (2013 until present).
- Member of European Association of Poisons Centres and Clinical Toxicologists (EAPCCT)

### Membership in editorial boards (*if any*)

- Member of the editorial board (1995 – 2020) of the international journal, Environment International (Journal of Science, Technology, Health, Monitoring and Policy).
- Editor of special volumes of Environment International dedicated to addressing issues relevant to the public health management of incidents (published in 2015) and on environmental risk related topics including health risks from radiation, waste, contaminated land, chemicals and pathogens (published in 2006).

### Additional Information

- Honorary Professor on Global Public Health at Exeter University School of Medicine and Health (Sep 2021 until present), Visiting Professor on Environmental Public Health, Cranfield University (2011 until present)
- Independent Expert, EC's Scientific Committee on Health, Environmental and Emerging Risks (SCHEER) (April 2016 – present); EC's Scientific Committee on Health and

Environmental Risks (SCHER) (Jan 2013 – March 2016) and invited expert to provide technical and policy advice at national and international workshops

- Chair of the SCHEER Rapid Risk Assessment Working Group tasked with provision of expert advice to the European Commission on chemical cross border health threats (2015-2020).

### List of Publications:

- World Health Organization. Regional Office for Europe (2021). Zero regrets: scaling up action on climate change mitigation and adaptation for health in the WHO European Region. Key messages from the Working Group on Health in Climate Change. World Health Organization. Regional Office for Europe. <https://apps.who.int/iris/handle/10665/344733>. License: CC BY-NC-SA 3.0 IGO. Paper conceptually led by Phalkey R and **Duarte-Davidson R**.
- Peña-Fernández A, Wyke, S and **Duarte-Davidson R** (2021). Case Studies in Human Toxicology 2: Recovering environments affected by chemical incidents: The Chemical Recovery Navigation Tool. Chapter 28. In Toxicology for the Health and Pharmaceutical Sciences (Peña-Fernández, A, Events MD and Cooke MS, CRC Press. ISBN 9781138303362
- Alcock I, White MP, Pahl S, **Duarte-Davidson R** and Fleming LE (2020). Associations between pro-environmental behaviour and neighbourhood nature, nature visit frequency and nature appreciation: evidence from a nationally representative survey in England, *Environment International* 136. Available from: <https://doi.org/10.1016/j.envint.2019.105441>.
- Gillingham E, Macintyre H, **Duarte-Davidson R** and Phalkey R (2022) Understanding and responding to the health and climate emergency. Chapter 11. In Clay's Handbook of Environmental Health, 22<sup>nd</sup> Edition (Ed Battersby, S).
- Gaulton T, Hauge C, Cole D, Thomas E and **Duarte-Davidson R** (2021). Global event-based surveillance of chemical incidents. Special issue on Disaster Resilience, *J Exposure Science and Environmental Epidemiology*, <https://doi.org/10.1038/s41370-021-00384-8>
- Duarte-Davidson R**, Gaulton T, Wyke S and Collins S (Editors) (2019) Chemical Health Threats: Assessing and Alerting. *Issues in Toxicology* 38. Royal Society of Chemistry. ISBN 978-1-78262-07106.
- Gaulton G, Orford R, Hague C, Thomas E and **Duarte-Davidson R** (2019). Surveillance of chemical health threats. In: *Chemical Health Threats: Assessing and Alerting*. Royal Society of Chemistry, *Issues in Toxicology* 38: 96-113. **Duarte-Davidson**, Gaulton T, Wyke S and Collins S (Eds) ISBN 978-1-78262-07106.
- Wyke S and **Duarte-Davidson R** (2019). Overview of alerting, assessing and responding to chemical public health threats. In: *Chemical Health Threats: Assessing and Alerting*. Royal Society of Chemistry, *Issues in Toxicology* 38: 1-23. **Duarte-Davidson**, Gaulton T, Wyke S and Collins S (Eds) ISBN 978-1-78262-07106.
- James T, Wyke S, Marczylo T, Collins S, Gaulton T, Foxall K and **Duarte-Davidson R**. Chemical warfare agent simulants for human volunteer trials of emergency decontamination: A systematic review. *Journal of Applied Toxicology*. 2018;38(1):113-21.
- Duarte-Davidson R**, Orford R, Wyke S, M Griffiths, R Amlôt and R Chilcott (2014) Recent advances to address European Union Health Security from cross border chemical health threats. *Environment International* 72: 3-14 (<http://dx.doi.org/10.1016/j.envint.2014.01.003>)