

## CURRICULUM VITAE of DAVID N. SHEPPARD

### **(1) PERSONAL INFORMATION:**

**Full Name:** David Noel Sheppard  
**Address:** University of Bristol, School of Physiology, Pharmacology and Neuroscience,  
Biomedical Sciences Building, University Walk, Bristol BS8 1TD  
**Telephone:** (0117) 455 2316; **E-mail:** D.N.Sheppard@bristol.ac.uk

### **(2) CURRENT APPOINTMENT:**

2016 – Professor of Physiology, University of Bristol, Bristol; source of salary: HEFCE

### **(3) CAREER HISTORY:**

2000 – 2016 Lecturer, Senior Lecturer (2004), Reader (2007) in Physiology, University of Bristol  
1994 – 1999 BBSRC Advanced Research Fellow and Senior Research Fellow (1999), Department of  
Medical Sciences, University of Edinburgh, Edinburgh  
1991 – 1994 Postdoctoral Associate with Prof. MJ Welsh, Howard Hughes Medical Institute, University  
of Iowa College of Medicine, Iowa City, USA  
1990 – 1991 Royal Society European Science Exchange Postdoctoral Fellow with Prof. F Giraldez,  
Universidad de Valladolid, Valladolid, Spain

### **(4) ACADEMIC QUALIFICATIONS:**

1986 – 1990 University of Cambridge Ph.D. (Cell Physiology)  
1982 – 1986 University of Bradford B.Sc. (Hons) Biomedical Sciences First Class

### **(5) RESEARCH GRANTS:**

*Previous research support:*

Since 1993: 23 project grants; 1 fellowship; 4 PhD studentships; 8 industry-funded grants; 3 equipment grants; 1 Co-ordination action; >£10 million total value

*Ongoing research support:*

2021–2024 NC3Rs; 3-year PhD studentship; £90,000; role: Co-I; A novel Drosophila model of chronic inflammatory lung disease to explore airway damage, inflammation and infection in vivo  
2021–2025 Cystic Fibrosis Trust; 3.5-year strategic research centre; £747,972 (£320,244 to UoB); role: PI; The CFTR Folding and Function SRC  
2023–2026 Cystic Fibrosis Trust; 3-year strategic research centre; £749,973 (£104,758 to UoB); role: Co-I; Restoring the fizz: pharmacological repair of bicarbonate transport in cystic fibrosis

### **(6) HONOURS AND AWARDS:**

2010 European Cystic Fibrosis Society, shared ECFS Award 2010 with MD Amaral  
2018 Jack Riordan and Paul Quinton CF Science Award  
2021 The Physiological Society, GL Brown Prize Lecture for 2021

### **(7) RESEARCH IMPACT:**

I investigate the root cause of cystic fibrosis (CF). Evidence that my work has contributed to the development of precision medicine for CF include: (i) the demonstration that CFTR variants linked to a milder clinical phenotype retain Cl<sup>-</sup> channel function (e.g. Sheppard *et al. Nature* 1993; **362**:160-64); (ii) the identification of Fischer rat thyroid epithelial cells as a model system for CFTR research and drug testing (Sheppard *et al. Am J Physiol Lung Cell Mol Physiol.* 1994; **266**:L405-413) and (iii) the development of non-toxic anion transporters (anionophores) deliverable to cells, where they transport anions with high potency and efficacy. Anionophores are important lead compounds for development of mutation-independent CFTR replacement therapeutics for CF (Li *et al. Nat. Chem.* 2016; **8**:24-32).

### **(8) PUBLICATION METRICS (from Web of Science core Collection on 19/10/23):**

Total number citable peer-reviewed articles and reviews: 110; patents, 5; sum of times cited without self-citations, 5,593; beamplot, 74<sup>th</sup> percentile; h-index, 41.