



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
BIOÉNERGÉTIQUE ET INGÉNIERIE DES PROTÉINES

Postal address: CNRS – BIP, 31 chemin Joseph-Aiguier, BP 71, 13402 Marseille Cedex 20, France

Telephone: +33 4 91 16 41 38 (direct line) ; fax: +33 491 16 40 97

Email: acornish@imm.cnrs.fr; web site: <http://bip.cnrs-mrs.fr/bip10/homepage.htm>



CURRICULUM VITÆ: A J CORNISH-BOWDEN

Full name: Athelstan John Cornish-Bowden

Date and place of birth: 3 April 1943, Ashburton, England

Nationality: UK

Residence: Marseilles, France (since 1987)

Education: Open Major Scholar of Wadham College, University of Oxford, 1961–1965; graduate research in the Dyson Perrins Laboratory, University of Oxford, 1965–1967; post-doctoral research in the Department of Biochemistry, University of California, Berkeley, 1967–1970

Degrees: Bachelor of Arts, University of Oxford, 1st Class Honours in Chemistry, 1965; Master of Arts, University of Oxford, 1967; Doctor of Philosophy, University of Oxford, 1967; Doctor of Science, University of Oxford, 1984

Honours: Hermann Niemeyer Professor, Facultad de Ciencias, Universidad de Chile, Santiago, Chile, 1992 and 1993; Corresponding member of the Academia Chilena de Ciencia, 2003, Honorary Professor, Facultad de Ciencias, Universidad de Chile, Santiago, Chile, 2005

Full-time Employment: Research Fellow in the Department of Biochemistry, University of California, Berkeley, 1967–1970; Lecturer in Biochemistry at the University of Birmingham, Birmingham, UK, 1970–1985; Senior Lecturer in Biochemistry at the University of Birmingham, Birmingham, UK, 1985–1986; Directeur de Recherche (1st class), Centre National de la Recherche Scientifique, Marseilles, France, 1987–2009; Directeur de Recherche (Émérite), Centre National de la Recherche Scientifique, Marseilles, France, 2009–2019

Visiting appointments and lectureships: University of California, Berkeley 1974; University of Guelph, Canada 1977, Pontificia Universidad de Chile, 1980, 1986, 2010; Universidad de Chile 1984, 1985–1986; University of Edinburgh, UK 1998–2001; Universidad de Buenos Aires, Argentina, 1999; Astra-Zeneca Research Laboratories, Bangalore, India, 2001; Université Catholique de Louvain, Belgium 2010; Universidad Austral de Chile 2011; Instituto Gulbenkian de Ciência, Portugal 2012; Universidade Regional de Blumenau, Brazil, 2012

Research interests: enzymes, kinetics, metabolic regulation, biochemistry of evolution, self-organization, origin of life

Scientific papers in refereed international journals: about 200 (1969–2014), including *Nature*, *Biochemistry*, the *Journal of Biological Chemistry*, the *Biochemical Journal*, *Biochimica et Biophysica Acta*, the *Journal of Theoretical Biology*, etc.

Recent papers: J. L. Asenjo, H. C. Ludwig, C. A. Droppelmann, J. G. Cárcamo, I. I. Concha, A. J. Yáñez, M. L. Cárdenas, A. Cornish-Bowden and J. C. Slebe (2014) “Subunit interactions in pig-kidney fructose-1,6-bisphosphatase: binding of substrate induces a second class of site with lowered affinity and catalytic activity” *Biochim. Biophys. Acta* **1840**, 1798–1807

A. Cornish-Bowden (2014) “Understanding allosteric and cooperative interactions in enzymes” *FEBS J.* **281**, 621–632

A. Cornish-Bowden (2014) “Current IUBMB recommendations on enzyme nomenclature and kinetics” *Persp. Sci.* **1**, 74–87

A. Cornish-Bowden (2014) “Analysis and interpretation of enzyme kinetic data” *Persp. Sci.* **1**, 121–125

A. Cornish-Bowden, J. Peretó and M. L. Cárdenas (2014) “Biochemistry and evolutionary biology: two disciplines that need each other” *J. Biosci.* **39**, 1–15

U. Deichmann, S. Schuster, J.-P. Mazat and A. Cornish-Bowden (2014) “Commemorating the 1913 Michaelis–Menten paper *Die Kinetik der Invertinwirkung*: three perspectives” *FEBS J.* **281**, 435–463

Editorial Boards: the *Biochemical Journal*, 1976–1983; the *Journal of Theoretical Biology*, 1982–present; the *FEBS Journal* (formerly the *European Journal of Biochemistry*), 1983–present; *Biological Research* (Chile), 1995–1999; the *Journal of Biosciences* (India), 1998–2004; *Biochemistry and Molecular Biology Education*, 2013–2015

Books written: *Principles of Enzyme Kinetics*, Butterworths, London and Boston, 1976; *Fundamentals of Enzyme Kinetics*, Butterworths, London and Boston 1979, Portland Press, London 1995, 2005, Wiley–Blackwell, Weinheim 2012; *Basic Mathematics for Biochemists*, Chapman and Hall, London 1981, Oxford University Press 1995; *Enzyme Kinetics*, IRL Press, Oxford 1988; *The Pursuit of Perfection*, Oxford University Press 2004; *Cinétique Enzymatique*, EDP Sciences, Paris 2005

Books edited: *Dynamics of Biochemical Systems*, Plenum Press, New York 1984; *Control of Metabolic Processes*, Plenum Press, New York 1990; *New Beer in an Old Bottle: Eduard Buchner and the Growth of Biochemical Knowledge*, Universitat de València, Spain 1997; *Technological and Medical Implications of Metabolic Control Analysis*, Plenum Press, New York 2000