

## SHORT CURRICULUM VITAE

Nicholas Ferris Britton

**Present post:** Professor of Mathematics, Department of Mathematical Sciences, University of Bath, Claverton Down, Bath BA2 7AY, UK; at the University of Bath since November 1980, promoted to Professor December 2004; Head of Department, August 2006 to July 2009.

**Qualifications:** MA (Oxon); DPhil (Oxon), supervisor J D Murray, 1978.

**Prize:** Senior Mathematical Prize, University of Oxford, for DPhil thesis, 1978.

**Centre for Mathematical Biology (CMB), University of Bath:** Co-founder (1994); co-director from 1994 to 2006; director from 2010 on.

**Learned Societies:** Member, Society for Mathematical Biology, on the Board of Directors from July 2006 until July 2010, Chair of the Future Meetings Committee from July 2008 on; member, European Society for Mathematical and Theoretical Biology; member, London Mathematical Society.

**Recent and current grants:** co-I and Theme Manager (Theme B, structure of biological populations) in critical mass grant from EPSRC/BBSRC, 'Bath Institute for Complex Systems', £1M, 05-09; PI, with co-I I Gudelj, network grant of £75K from EPSRC, 'Mathematical models and experimental microbial systems', 08-11; from BBSRC/DEFRA under the LWEC initiative, co-I in a consortium from Bath, Newcastle, Warwick and FERA awarded £285K to investigate the health of the honey-bee population in the UK: 'Modelling systems for managing bee disease: the epidemiology of European Foulbrood', one two-year PDRA in Bath, 11-13.

**Recent invited conference presentations:** International Centre for the Mathematical Sciences, Edinburgh, February 2008; MPDE-08, Leicester, March 2008; NSF Mathematical Biosciences Institute, University of Ohio, June 2008; BIOMAT-08, Campos do Jordão, Brazil, November 2008; Santa Fe Institute, New Mexico, January 2009; Theory of Biomathematics and its Applications V, Kyoto, Japan, January 2009; Centre de Recerca Matemàtica, Barcelona, February 2009; BIOMAT-09, Brasilia, Brazil, August 2009; Complex System Dynamics, Warwick, February 2010; MPDE-10, Leicester, September 2010; contributed talk selected as distinguished lecture, SMB/ESMTB, Krakow, Poland, June 2011; BIOMAT-11, Santiago, Chile, November 2011, MPDE-12, Santa Maria, Brazil, September 2012, MPDE-13, Osnabrück, Germany, August 2013, DSABNS-14, Lisbon, Portugal, February 2014, BIOMAT-14, Będlewo, Poland, November 2014, Modelling Biological Evolution, Leicester, April 2015, AMS/SPM-15, Porto, Portugal, June 2015.

**Advanced course:** Complex Networks in Ecology and Epidemiology, IFT, UNESP, São Paulo, Brazil, June 2010.

### Publications

N.F. Britton, Reaction-Diffusion Equations and their Applications to Biology, ix + 277 pp, Academic Press, London, 1986.

N F Britton, Essential Mathematical Biology, xv + 355 pp, Springer, London, 2003 and Tsinghua University Press, Beijing, 2009.

More than 75 papers in refereed journals, on ecology, epidemiology and evolution, animal behaviour, pain, cancer and cell proliferation, artificial kidneys, carbon monoxide poisoning, and other areas of mathematical biology. For more details, follow the link from my home page at <<http://people.bath.ac.uk/masnfb/>> to my academic profile.

### Doctoral supervision and external examining

Eleven students supervised to completion; external examiner at Oxford (twice), Dundee, Sheffield, Leeds (twice), Bristol, Queensland UT, Sussex.