

Curriculum Vitae

Personal Information

Matthew Vernon MA VetMB LGSM MRCVS

Date of Birth: 22nd September 1978

Education and Qualifications

2003-present	Department of Veterinary Medicine, University of Cambridge, reading for a PhD in veterinary epidemiology
2004	Admitted to MA degree
2003	Admitted to the Royal College of Veterinary Surgeons (MRCVS)
1997-2003	Selwyn College, Cambridge, reading Veterinary Medicine. VetMB: Clinical Veterinary Medicine (pass) BA: Parts 1A and 1B Medical and Veterinary Sciences Tripos, part 2 Natural Sciences (Pathology) (II.1)
1997	LGSM Teaching Diploma — Euphonium
1990-1997	Tiffin School, Kingston-upon-Thames. A levels: 5 As, 1 B S-level Biology (Merit) GCSEs: 9 A*s, 3 As

Publications and Presentations

Matthew C. Vernon, Cerian R. Webb, M. Fred Heath (2005). Preliminary analysis of the contact structure of the UK cattle herd. 25th International Sunbelt Social Network Conference, California, USA, February 2005.

CN Torgler; M Narasimha; AL Knox; CG Zervas; MC Vernon; NH Brown (2004). Tensin stabilises integrin adhesive contacts in *Drosophila*. *Developmental Cell*, 6:357-369

Teaching Experience

I have supervised the following subjects: Population Biology (part 2 NST), Introduction to the Scientific Basis of Medicine (part 1A MVST), Physiology of Organisms (part 1A NST), and Veterinary Reproductive Biology (part 1B MVST).

Employment History

Summer 2000	Implemented an aerofoil simulator, Cambridge University Engineering Department
Summer 1999	Software Engineer, Allstor Software Limited
Summer 1998	Analyst programmer, Book Data Limited
Easter 1998/99	Lambing, Hall Farm, Yorkshire

Research Interests

Applying contact network analysis to the cattle herd of the United Kingdom, in order to generate epidemiological models appropriate to the UK cattle industry
The relationship between the structure of networks and the dynamics of infectious disease processes on those networks
Portable, free, software and algorithms for network analysis
Design and implementation of epidemiological surveys

Technical Skills and Experience

Familiar with a wide range of social network analysis techniques
Experience of collecting network and epidemiological data by postal questionnaire
Good knowledge of ANSI C, programming in the UNIX environment, HTML, XHTML, sed, and bash
Working knowledge of UCINET, SQL, Python, Perl, awk and \LaTeX
System administration experience of Linux and Solaris
Computing support for Selwyn students, and managing the webserver for the JCR and MCR, as well as other college members and societies.

Veterinary & Laboratory Skills and Experience

Qualified in veterinary medicine and surgery
Experience of veterinary gross pathology and histopathology
Some experience of *Drosophila* genetics, PCR, SDS-PAGE, transfection and growth of bacteria, and DNA sequencing.

Positions of Responsibility

Trustee of the Tolkien Society (registered charity number 273809)
Chaired the organising committee of Oxonmoot 2002
Chaired the Cambridge Tolkien Society, the Cambridge University Science Fiction Society, the Student-Run Computing Facility
Former secretary of the Cambridge Beer Festival and musical director of the Cambridge University Troubadours.

Further Information

Many of my programming skills are self-taught, and I can learn new skills rapidly.
Clean, full UK Driving licence, and a VHF Radio Operator's Licence.
I play euphonium, recorders, 'cello and organ.
Studied euphonium at the Junior Department of the Guildhall School of Music between 1993 and 1997, including performances in the Royal Albert Hall with the Brass Band.

Cambridge, January 4, 2006