

Richard Taylor

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Current Positions

2001-Present

Sci7 Ltd.

Director

Sci7 is a data-mining and research company specialising in biotechnology. Sci7 counts many of the world's leading biotechnology and pharmaceutical companies among the end users of its information products. Sci7's products can be applied in areas including marketing, internet search optimisation (SEO), research and trend analysis.

2005-Present

BioPortfolio Ltd.

Adviser/Shareholder

BioPortfolio is a marketing and information company which operates a business to business website targeted at the professional executive and researcher. BioPortfolio offers a range of marketing and promotional services as well as specialised resources including the BioEvents calendar, one of the most comprehensive bio-pharma conference resources. The company also supplies professional market research reports to biotechnology and pharmaceutical executives.

Academic

2001 – 2005

University of Cambridge

Graduate Research

Conducted research as a PhD candidate on "Functional Formulations for Viral Gene Vectors and Vaccines". No thesis submitted.

1998 – 2001

Imperial College, London

BSc Biochemistry (2:1)

Courses: Bio-analytical Technology, Genetics and Genomics, Molecular Basis of Infection, Molecular Basis of Development

1991 – 1998

The King's School Chester

A-Levels

A grade A Levels in Maths, Chemistry, Biology and General Studies.

Previous Positions

2004 - 2006

Cambridge Applied Polymers

Researcher / Director

Working within the University of Cambridge conducting commercial technology assessments and developing technologies for engineering functional microstructural formulations for biological materials. Working directly with major multinational clients. Appointed a Director in November 2005.

Work resulted in a patent application entitled: Encapsulation of edible oil products and encapsulated edible oil products. No. WO2007034213 (2007)

2003 - 2005

University of Cambridge

Supervisor

Small group teaching of natural science, medical, and veterinary undergraduates.

October 2001- November 2004

Researcher

University of Cambridge, Unit for Bioscience Engineering

Novel formulations for complex biological therapeutics, including viruses, DNA, lipids and protein.

November 2003 – June 2004

Bioinformatician

Abcam

Automating aspects company operations via integration of internal and remote databases.

September - October 2002

Researcher

Nektar Therapeutics

Particulate biological formulation using the company's specialist techniques; Investigation of effect of processing conditions on activity.

September 1999 - June 2001

Trainer

University of London Union

Student trainer organising, promoting, writing and presenting training sessions. Promoted to supervisor in October 2000, leading team of seven trainers.

May – July 2001

Student

Centre for Molecular Microbiology & Infection, Imperial College, London

Research Project, as part of BSc. Investigating membrane proteins of *C.difficile*, a human bacterial pathogen.

Publications

S. Zhai , **R. Taylor**, R. Sanches and N.K.H. Slater (2003) Measurement of Lyophilisation Primary Drying Rates by Freeze-drying Microscopy, *Chemical Engineering Science*, Volume 58, Issue 11, June , Pages 2313-2323.

Suling Zhai, Raino K. Hansen, **Richard Taylor**, Jeremy N. Skepper, Raquel Sanches, and Nigel K.H. Slater (2004) Effect of Freezing Rates and Excipients on the Infectivity of a Live Viral Vaccine during Lyophilization *Biotechnol. Prog*; DOI:10.1021/bp034362x

R.Taylor, S. Zhai and N.K.H. Slater, (2004) Functional formulations for gene therapy vectors, Presented at the 2nd Annual Biomaterials Workshop, Cranfield University, UK.

S.Zhai, H.Su, **R.Taylor** and N.K.H. Slater (2004) Pure Ice Sublimation within Vials in a Laboratory Lyophiliser; Comparison of Theory with Experiment. *Chemical Engineering Science* Volume. 60, no.4, Pages 1167-1176

J Morris, G.J.Morris, **R Taylor**, S. Zhai and N.K.H. Slater. (2004) The effect of controlled nucleation on the ice structure, drying rate and protein recovery in vials cooled in a modified freeze drier. *Cryobiology* 49, 308-309.

Personal

- A strong supporter of democracy, I have been passionately holding my elected representatives to account since arriving at university at the age of eighteen. As an undergraduate I was elected to represent my department on the Student Union Council which I was a member of for two years.
- Interested in improving local and national policing and retaining policing by consent through:
 - Strongly opposing issuing of TASERS to non-firearms police in the UK.
 - Drawing attention to Cambridgeshire Police’s worrying policy of considering the PACE codes voluntary and actively pursuing returning them to democratic control.
- Regular contributor to local public meetings and consultations in Cambridge and the surrounding area on a wide range of subjects including:
 - The development and expansion of the city of Cambridge and the surrounding region.
 - The Regulation of Investigatory Powers Act (RIPA), particularly with respect to CCTV.
 - The functioning and erosion of local democracy.
- Published views on jury trials, secret inquests, Stonehenge conservation and other subjects.
- British, Resident of Cambridge, UK since 2001 and have a driving licence.

Skills

Communication

- Confident and persuasive when making technical presentations and speaking in public.
- Teaching and training experience.
- Expert in online communication.

I.T.

- Experienced in selecting the most appropriate technological approach for a given task.
- Awareness of and interest in a range of emerging technologies.
- Proficient in the use of a broad range of electronic information sources, including patent and journal databases.
- Awareness of intellectual property issues, particularly with respect to scientific publications, internet search, syndication and fair use.

Scientific

- Interest and knowledge particularly in the areas of virology, vaccines, formulation, emerging diseases, bioinformatics, protein structure
- Member of a departmental Biological Safety Committee at Imperial, and made extensive suggestions for improving Biological Safety Management at Cambridge. .
- Experience participating in all aspects of the scientific process including preparation of grant reports, peer reviewing of funding applications, and initiation of collaborations.
- A broad and up to date knowledge of a range of biotechnological, molecular biology, and chemical engineering techniques and instrumentation.
- Experienced conducting scientific and technical reviews in both academic and commercial environments.
- Strong mathematical and IT skills