**Biographical Sketch:** **Dr Nicholas Draper, BSc, PhD, MBCS**

**(a) Professional Preparation**

University of Sheffield, UK Pharmacology BSc (Hons), 1994

University of Wales, UK Cardiology PhD, 1998

Open University Computer Science BSc (Hons) Open, 2000

British Computing Society (Member) MBCS, 2002

**(b) Appointments**

2007 Senior Project Manager, Tessella, UK

2004 Project Manager, Tessella,UK

1999 Scientific Developer, Tessella, UK

1998 Postdoctoral Associate, Oxford University, UK

**(c) Publications**

**(i) up to 5 publications most closely related to the proposed project**

*Data formats and analysis codes – new software for µSR.* Stephen Cottrell; Francis Pratt; Adrian Hillier; Philip King; Freddie Akeroyd; Anders Markvardsen; Nick Draper; Yuan Yao; Stephen Blundell. *Physics procedia*, 2012, 30, pp 20–25. [DOI: 10.1016/j.phpro.2012.04.031](http://dx.doi.org/10.1016/j.phpro.2012.04.031)

Managing Risks in the preservation of research data with preservation networks. Esther Conway; Brian Matthews; David Giaretta; Simon Lambert, Michael Wilson; Nick Draper. The Internation Journal of Digital Curation, (2012), 7(1). [DOI:10.2218/ijdc.v7i1.210](http://dx.doi.org/10.2218/ijdc.v7i1.210)

**(ii) up to 5 other significant publications, whether or not related to the proposed project**

*Role of nitric oxide in posthypoxic contractile dysfunction of diabetic cardiomyopathy.* El-Omar MM; Lord R; Draper NJ; Shah AM. *Eur J. Heart Fail*, 2003, 5 (3), pp 229–239.

*Thiazolidinedione treatment normalize insulin resistence and ischaemic injury in the zucker fatty rat heart*. Sidell RJ; Cole MA; Draper NJ; Desrois M, Buckingham RE, Clarke K. *Diabetes*, 2002, 51(4), 1110-1117.

*Ca2+-independent inhibition of myocardial contration by coronary effluent of hypoxic rat hearts*. Yank ZK, Draper NJ, Shah AM, *Am J Physiol*, 1999, 276(2 pt 2) H623-632

Expression of functional neutrophil-type NADPH oxidase in cultured rat coronary microvascular endothelial cells.Bayraktutan U; Draper N; Lang D; Shah AM. *Cardiovasc Res*, 1998, 38(1), 256-162.

*Beneficial effects of a nitric oxide donor on recovery of contractile function following brief hypoxia in isolated rat heart*. Draper NJ; Shah AM. *J Mol Cell Cardiol*, 1997, 29(4), 1195-1205.

**(d) Synergistic Activities**

I am employed by Tessella Ltd, a technology consulting company specializing in software development for scince and technology customers. Over the past 12 years I have concentrated on the needs of my clients rather than developing my academic record. Some of my projects are subject to non-disclosure agreements, but my relevant expeience includes:

**2010-Present** Development and implementation of an international collaboration between ISIS, STFC,UK and SNS/HFIR, ORNL,UK for the common development of Mantid using an international development team to fit the needs of all facilities involved. [www.mantidproject.org](http://www.mantidproject.org)

**2007-2010** Project management of the requirements, design and implementation of the Mantid data analysis framework to support the reduction of Neutron and Muon data for all of the instruments / techniques ISIS. STFC, UK. [www.mantidproject.org](http://www.mantidproject.org)

**2004-2007** Project manager of a distributed international development team creating an integrated system to support the active ingredient invention process for a global agrochemical company.

**2003-2004** Lead developer on integration projects for a global agrochemical company.

**2000-2003** Lead developer processing and managing proteomics data for a biotechnology company, including the creation and maintenance of a commercial proteomic database

**(e) Collaborators & Other Affiliations**

* **Collaborators and Co-Editors.**

|  |  |
| --- | --- |
| Akeroyd, F | ISIS Facility, UK |
| Arnold, O | Tessella, UK |
| Blundell, S | ISIS Facility, UK |
| Buts, A | ISIS Facility, UK |
| Campbell, S | ORNL, USA |
| Clarke, M | ISIS Facility, UK |
| Conway, E | eScience, RAL, UK |
| Cottrell, S | ISIS Facility, UK |
| Doucet, M | ORNL, USA |
| Giaretta, D | eScience, RAL, UK |
| Gigg, M | Tessella, UK |
| Hillier, A | ISIS Facility, UK |
| Huq, A | ORNL, USA |
| King, P | ISIS Facility, UK |
| Lambert, S | eScience, RAL, UK |
| Markvardsen, A | ISIS Facility, UK |
| Matthews, B | eScience, RAL, UK |
| Miller, R | ORNL, USA |
| Perring, T | ISIS Facility, UK |
| Peterson, P | ORNL, USA |
| Pratt, F | ISIS Facility, UK |
| Ren, S | ORNL, USA |
| Reuter, M | ORNL, USA |
| Savici, A | ORNL, USA |
| Taylor, J | ISIS Facility, UK |
| Taylor, R | Tessella, USA |
| Whitley, R | ISIS Facility, UK |
| Wilson, M | eScience, RAL, UK |
| Yao, Y | Oxford University, UK |
| Zikovsky, J | ORNL, USA |

* **Graduate Advisors and Postdoctoral Sponsors.**

Professor Ajay Shah, Kings College London, UK  
Professor Kiean Clarke, University of Oxford, UK

* **Thesis Advisor and Postgraduate-Scholar Sponsor.**

None