



## Richard P. Grant

45 Hollywell Road  
Lincoln LN5 9BZ  
UNITED KINGDOM

**PHONE**  
+44 771 831 0111

**SKYPE**  
rpg7sky

**AIM**  
rpg7aim

**EMAIL**  
rpggrant@gmail.com

**WEB**  
rg-d.com/rpg/

## Profile

A highly motivated, enthusiastic and determined scientist who believes strongly in the value of education, seeking new challenges in the sphere of communications and public engagement. Drawing on my training and understanding of the scientific process, and using my written and verbal communication skills, I want to help the wider community appreciate the specific and general significance and relevance of scientific research.

## Experience

### PRINT & ONLINE

I have published opinion pieces in *ChemistryWorld*, the magazine of the Royal Society of Chemistry, and had two articles accepted to the *Futures* section of *Nature*. I have written numerous book reviews and short fiction, published at [lablit.com](http://lablit.com) and [scienceboard.net](http://scienceboard.net). I recently completed a market report, *Life Science 2.0: The Brave New World of Science Publishing* for BioInformatics, LLC.

My weblogs, at [blogs.usyd.edu.au/labrats](http://blogs.usyd.edu.au/labrats) (*Life of a Labrat*) and [network.nature.com/people/rpg/blog](http://network.nature.com/people/rpg/blog) (*The Scientist*) are read widely and enjoyed by scientists and lay readers alike. I write about life as a scientist in a research environment, my experience as an immigrant and the interaction of scientists with the wider community. *Life of a Lab Rat* is one of the University of Sydney's most successful weblogs in terms of traffic and exposure and was quoted in the national press. *The Scientist* is consistently one of the top five most popular weblogs at Nature Network. My writing is featured in *OpenLab 2008* and *2007* (an annual anthology of the best scientific writing on the web).

I have edited two scientific reference books, was Deputy Editor of *OpenLab 2008* and was an editorial panellist and contributor to *The Biochemist* for six years. I am the Poetry and Fiction editor at [LabLit.com](http://LabLit.com).

### APPEARANCES

My participation in the well-received final panel session at *Science Blogging 2008: London* was sponsored by the University of Sydney. Related to this I was interviewed for and featured in the *University News* (in print and online), and recorded a podcast for [extraordinary.thepodcastnetwork.com](http://extraordinary.thepodcastnetwork.com).

In addition, this year I have presented a poster at the *Gordon Research Conference* on post-transcriptional regulation, spoken at the *Sydney Protein Group Winter Meeting* and presented at the *Southampton Open Science Workshop*.

### TEACHING

Colleagues and students frequently ask me to edit and proofread written work (theses, chapters, papers). I train undergraduates and research students how to make clear, readable slides and present their work in seminars. I supervise students in the lab and have participated in the assessment of Honours candidates.

## Career

### BUSINESS DEVELOPMENT MANAGER, FACULTY OF 1000; 2009–PRESENT

I am responsible for the functioning, promotion and success of the Faculty of 1000 ([f1000.com](http://f1000.com)), an expert post-publication peer review service, and part of the *Science Navigation Group*. My aim is to make this the 'go-to' source for life scientists and clinicians looking for the most important and relevant literature in their field.

### POST-DOCTORAL RESEARCH FELLOW, UNIVERSITY OF SYDNEY; 2006–2009

I used cell biological, bioinformatic, structural and protein engineering methods to characterize the molecular interactions of proteins and nucleic acids in cellular processes. My career goal was to understand how function is defined by structure. In Sydney I studied how zinc-finger RNA-binding proteins direct alternative splicing of pre-messenger RNA.

**CAREER DEVELOPMENT FELLOW, MRC-LMB, CAMBRIDGE UK; 1999–2005**

Using X-ray crystallography and NMR I determined the structure of proteins involved in cell motility and nuclear trafficking. I contributed to our understanding of how polymerization of small macromolecules can generate the force that enables cells to crawl, and examined how proteins export RNA from the nucleus.

**SENIOR R&D SCIENTIST, CAMBRIDGE MOLECULAR, CAMBRIDGE UK; 1997–1999**

I implemented DNA extraction procedures in kit and automated forms. I redesigned software and chemistry for a novel, automated plasmid preparation technology. I worked closely with the marketing division, wrote and edited protocol guides and documentation, and accompanied sales representatives into academic labs to explain technical details. The company valued my communication skills and I learned how to appreciate the commercial applicability of academic research.

**POST-DOCTORAL RESEARCH ASSISTANT, NDOG, UNIVERSITY OF OXFORD; 1994–1997**

I showed how adjacent structural domains in fibronectin act in synergy to bind cells and initiate integrin-mediated signalling to bring about attachment and spreading. I designed and made fibronectin domain constructs and examined their affect on phosphorylation and the actin cytoskeleton.

## Education

The Sir William Dunn School of Pathology, University of Oxford; DPhil 1994

Lady Margaret Hall, University of Oxford; Biochemistry BA (Hons) 1991

## Training courses

2005 Medical Research and the Public—a course on communicating the importance and relevance of MRC-funded research

1998–1999 Building a market-focussed strategy  
ISO9001 (internal)

## Scientific Publications

I have published five first-author research papers in peer-reviewed journals; a first-author peer-reviewed review; five other primary research papers; multiple meeting abstracts; two book chapters; seven protein structures and edited two scientific texts.