

# **Academic research resumé of Dr Janet Hope**

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## **Professional background and approach**

After completing combined undergraduate degrees in science and law, I worked for several years as a legal practitioner, developing high level generic skills in conflict resolution (negotiation and mediation) and oral and written communication (complex written advice work, group facilitation, presentation, interview techniques and advocacy). As a PhD student I received formal specialist training in a range of qualitative social science research methods and conducted extensive interview-based fieldwork.

Since the award of my PhD in July 2005, I have built on a solid disciplinary foundation in law to incorporate a range of theoretical perspectives drawn from other social science disciplines including innovation management and organisation science, economics, sociology, philosophy and politics.

## **Current research interests and major contributions**

The dominant theme of my research is the governance of knowledge as it relates to development. My major contribution to this field has been to articulate a generic model of open source collaboration for use as a template for the development and deployment of new technologies in the global public interest.

In 2008, Harvard University Press chose to publish my book, *BioBazaar: The Open Source Revolution and Biotechnology*, as a trade hardback on the strength of its accessibility and general interest. Reviewers have described the book as having “significant vision” and being “well researched”, “important”, “innovative”, on a topic of “immense social significance”, “worthwhile reading” and “clearly and engagingly written in a very thoughtful style”.

In the course of my post-doctoral research I have established an international reputation, evidenced by numerous invited speaking engagements, as a leading expert on the theory and practice of open source-style (“bazaar”) production in the biological arena. Future projects (currently under review for external funding) will extend this work into new

subject areas and connect the theory of bazaar production with broader theoretical developments in the multi-disciplinary field of knowledge studies.

## Publications

### Book

Hope, J. 2008. *Biobazaar: The Open Source Revolution and Biotechnology*. Cambridge, Mass.: Harvard University Press.

### Book chapters

Hope, J. 2008. "The Cold Hard FAQs about Open Source Biotech." In Arup, C. and Van Caenegem, W. (ed.s). *Intellectual Property and Creativity/Innovation – Critiques and Alternatives*. Cheltenham: Edward Elgar (forthcoming).

Hope, J. 2008. "Open Source Genetics: A Conceptual Framework." In Van Overwalle, G. (ed.). *Gene Patents and Clearing Models: From Concepts to Cases*. Cambridge: Cambridge University Press (forthcoming).

Hope, J., D. Nicol and J. Braithwaite. 2008. "Regulatory Capitalism, Business Models and the Knowledge Economy." In Braithwaite, J. *Regulatory Capitalism*. Cheltenham: Edward Elgar.

Hope, J. 2007. "Open Source Licensing." In Krattiger, A. et al. (ed.s). *Intellectual Property Management in Health and Agricultural Innovation: A Handbook of Best Practices*. New York: MIHR (Centre for the Management of Intellectual Property in Health, Research and Development)/PIPRA (Public Intellectual Property Resource for Agriculture).

Hope, J. 2007. "Pharmaforschung mit Open-Source-Methoden [Open Source Drug Development]." In Lutterbeck, B. et al. (ed.s). *Open Source Jahrbuch 2007: Zwischen freier Software und Gesellschaftsmodell*. Berlin: Lehmanns Media.

### Refereed articles

Nicol, D. and J. Hope. 2006. "Cooperative Strategies for Facilitating Use of Patented Inventions in Biotechnology". *Law in Context* 24(1): 85-112.

Hope, J. and D. Longstaff. 2003. "The Federal Court of Australia as a Court of Criminal Appeal for the ACT (II)." *Journal of Judicial Administration*. 13(2): 67–97.

Hope, J. 2003. "The Federal Court of Australia as a Court of Criminal Appeal for the Australian Capital Territory (I)." *Journal of Judicial Administration* 13(1): 1–22.

Hope, J. 2003. "New Zealand's Royal Commission on Genetic Modification: A Critical Review." *International Journal of Sustainable Development* 6(2): 203–230.

Hope, J. 2003. "Preserving Opportunities or Taking Unjustified Risks? Reflections on the Report of the New Zealand Royal Commission on Genetic Modification." *Australasian Journal of Natural Resources Law and Policy* 8(1): 29–56.

Hope, J. 2002. "A History of Biotechnology Regulation in New Zealand." *New Zealand Journal of Environmental Law* 6: 1–42.

Hope, J. 2001. "The New Zealand Royal Commission on Genetic Modification." *Environmental and Planning Law Journal* 18(5): 441–444.

Hope, J. 1996. "A Constitutional Right to a Fair Trial? Implications for Reform of the Australian Criminal Justice System." *Federal Law Review* 24(1): 172–199.

### **Invited Presentations**

D. Nicol and Hope, J. 2008. "The trouble with biotech patents: an open source solution?" W. Maurice Young Centre for Applied Ethics Public Lecture Series, University of British Columbia, Vancouver, 8 May.

Hope, J. 2008. "Open source and Genomics-related Ethical, Economic, Environmental, Legal and Social (GE3LS) issues". *Alternative Intellectual Property and Technology Transfer Offices: Exploring the Evolving Landscape*, W. Maurice Young Centre for Applied Ethics, University of British Columbia, Vancouver, 8-9 May.

Hope, J. 2008. "Two Biotech Non-Assertion Covenants: A Conversation Piece." Invited lecture, Institute of Economic Research, Hitotsubashi University, Tokyo, 19 February.

Hope, J. 2008. "Modelling open source within and outside the software industry." Symposium on Law and Economics of Intellectual Property (Microsoft and Hitotsubashi University). Josui Kaikan, Tokyo, 18 February.

Hope, J. 2007. "The Cold Hard FAQs about Open Source Biotech." *Intellectual Property and Creativity/Innovation – Critiques and Alternatives*. Faculty of Law, Bond University, Gold Coast, 30 November to 1 December.

Hope, J. 2006. "Open Source Biotechnology: A Strategy for Innovation, Intellectual Property and Capacity-Building in Brazil." *Open Source Biotechnology in Brazil*. Brazilian Embassy, Canberra, 19 July.

Hope, J. 2006. "Open Source Genetics: A Conceptual Framework." *International Workshop on Gene Patents and Clearing Models: From Concepts to Cases*. Catholic University of Leuven, Leuven (Belgium), 8-10 June.

Hope, J. 2006. "Open Source Licensing for Patented Technologies: The Issues, Problems and Outlook." *Fourteenth Annual Conference on International Intellectual Property Law and Policy*. Fordham University School of Law, New York, 20-21 April.

Hope, J. 2006. "Open Source: An Assessment." *Fourteenth Annual Conference on International Intellectual Property Law and Policy*. Fordham University School of Law, New

York, 20-21 April.

Hope, J. 2005. "Open Source Collaboration for Biotechnology and Related Industries." *OECD Expert Roundtable on Collaborative Intellectual Property Rights Mechanisms: Ensuring Access*. Woodrow Wilson Center for Scholars, Washington D.C., 8-9 December.

Hope, J. 2004. "Open Source Biotechnology." *Intellectual Property Research Institute of Australia Seminar Series*. Melbourne University Law School, 15 June.

Hope, J. 2003. "A Road Map for Open Source Biology." *Open Source Biology Workshop*. Molecular Sciences Institute, Berkeley, California, 27 March.

Hope, J. 2002. "Open Source in Biotech?" *Open Domains in Science*. Regulatory Institutions Network/Intellectual Property Research Institute of Australia, Canberra, 2 December.

### **Other selected publications**

"Model-mongering in Biotechnology Research and Development: The Limits of the 'Open Source' Analogy." *Unlocking IP 2006*. University of New South Wales, Sydney, 10-11 July 2006.

"Some Questions About BiOS Licences." Message posted to CAMBIA BioForge Licence Discussion Forum, 16 November 2006. Archived at <http://www.bioforge.net/forge/message.jspa?messageID=1219#1219>.

"Biological Open Source." Message posted to [License\\_Discuss@OpenSource.org](mailto:License_Discuss@OpenSource.org) Internet Mailing List, 15 November 2006. Archived at <http://www.nabble.com/APL-license---What-about-the-enforced-logos--tf2591331.html#a7351547>.

Raman, S. 2006. "Interview with Janet Hope, Author of Open Source Biotechnology." *Open Views*, 19 October. Fairfield, Iowa: Radio KRUU-LP. Webcast at [Kruufm.com](http://www.kruufm.com), <http://www.kruufm.com/popular?sort=asc&order=author&page=2>.

Hope, J. 2005. "A New Way to Manage Scientific Intellectual Property." *GeneWatch Magazine* 18(1). Cambridge, Mass.: Council for Responsible Genetics. Online at <http://www.gene-watch.org/genewatch/articles/18-1Hope.html>.

Hope, J. 2004. *Open Source Biotechnology* (PhD Thesis). Canberra: The Australian National University. Online at <http://rssh.anu.edu.au/~janeth>; Social Science Research Network e-Library, [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=755244](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=755244); Free/Open Source Research Community Repository, [http://opensource.mit.edu/online\\_papers.php](http://opensource.mit.edu/online_papers.php).

Hope, J. 2003. *Open Source Biotechnology Project*. Canberra: The Australian National University, <http://rssh.anu.edu.au/~janeth>.

Hope, J. 2002. "Life, But Not as We Know It: Complexity and Risk in the Age of Biotechnology." *Campus Review* (Special Issue: Dialogica Awards) 12(44): 6–7.

Hope, J. 2001. "Genetic Modification Technology – Lessons for Australia in New Zealand's Royal Commission into GMT." *FindLaw Australia*. Online at <http://au.findlaw.com/articles>.

Hope, J. 1998. "Judicial Review of Administrative Decisions." *Australian Government Solicitor Legal Briefings* 42: 1-6.

## **Grants, Scholarships and Awards**

- 2004 Australian Research Council Discovery Grant and Australian Postdoctoral Fellowship (DP0557608, \$353,743) (with D. Nicol and J. Braithwaite)
- 2003 Intellectual Property Research Institute of Australia PhD fieldwork grant (\$7000)
- 2002 APN Media Dialogica Award for Excellence in Scholarly Communication (\$5000)
- 2001 Australian Postgraduate Award
- 1996 Blackburn Medal for Research in Law, Australian National University
- 1994 Australian Society for Parasitology Honours Scholarship
- 1990 National Undergraduate Scholarship, Australian National University
- 1989 New South Wales Premier's Medal for Excellence in the Higher School Certificate