

## ***Publications***

### ***Refereed journal articles***

1. (with A. Muscio) 'The Governance of University Knowledge Transfer: A Critical Review of the Literature' *Minerva*, Vol. 47, pp.93-114, 2009
2. (with J. Mateos-Garcia and W.E. Steinmueller) 'Creative User Engagement and Content: Innovation Dynamics and Applications', *Economia e Politica Industriale*, pp 169-183, 2008.
3. (with G. Crespi). 'An empirical study of scientific production: A Cross country analysis, 1981-2002.' *Research Policy*, Vol. 37, pp 565-579, 2008.
4. (with P. Giuri and M. Mariani et al.). 'Inventors and Invention Processes in Europe. Results from the PatVal-EU survey.' *Research Policy*, Vol 36, pp.1107-1127, 2007.
5. (with G. Crespi and L. Nesta). 'The Mobility of University Inventors in Europe.' *Journal of Technology Transfer*, Vol 32, pp. 195-215, 2007.
6. (with D. Mowery) 'Publishing and Patenting in US and European Universities', *Economics of Innovation and New Technology*, Vol. 16, pp.67-70, 2007.
7. (with L. Nesta) 'University Patenting and its Effects on Academic Research: The Emerging European Evidence', *Research Policy*, Vol 35, pp.790-807, 2006.
8. (with M. Meyer and D. Libaers) 'The Role of University Spinout Companies in an Emerging Technology: The case of nanotechnology', *Journal of Technology Transfer*, Vol. 31, pp.443-450, 2006.
9. (with R. Fontana and M. Matt), 'Factors affecting University-Industry R&D Projects: The importance of searching, screening and signalling', *Research Policy*, Vol. 35, pp. 309-323, 2006.
10. (with S. Brusoni and P. Criscuolo) 'The Knowledge Bases of the World's Largest Pharmaceuticals Groups. What do patent citations to non-patent literature reveal?', *Economics of Innovation and New Technology*, Vol. 14, pp.395-415, 2005.
11. (with A. Arundel) 'Proximity and the Use of Public Science by Innovative European Firms', *Economics of Innovation and New Technology*, Vol. 13, pp. 559-580, 2004
12. (with S. Brusoni) 'An International Comparison of Sectoral Knowledge Bases: Persistence and integration in the pharmaceutical industry', *Research Policy*, Vol. 32, pp. 1897-1912, 2003.

13. (with B. Martin) 'University Research Evaluation and Funding: An International Comparison', *Minerva*, Vol. 41, pp.277-304, 2003.
14. 'The Changing Rationale for European University Research Funding: Are there Negative Unintended Consequences', *Journal of Economic Issues*, Vol. 35, pp.607-632, 2001.
15. 'The Evolution of Specialisation: Public Research in the Chemical and Pharmaceutical Industries', *Research Evaluation*, Vol. 10, N. 1, pp.67-79, 2001.
16. (with S. Malo) 'Science-Technology Linkages in an Emerging Research Platform: The Case of Combinatorial Chemistry and Biology', *Scientometrics*, Vol. 47, pp. 303-321, 2000.
17. (with C. Antonelli and W.E. Steinmueller), 'Information and Communication Technologies and the Production, Distribution and Use of Knowledge', *International Journal of Technology Management*, Vol. 20, pp. 72-94, 2000.
18. 'Determinants of University Participation in EU-funded R&D Co-operative Projects', *Research Policy*, Vol. 26, pp. 677-687, 1998.
19. 'The Internationalisation of European Universities: A Return to Medieval Roots', *Minerva*, Vol.XXXVI, pp. 253-270, 1998.
20. 'Allocation of Funds and Research Output: The Case of UK Universities', *Revue d'Economie Industrielle*, Vol.79, pp. 143-162, 1997.
21. 'The Participation of Higher Education Institutions in Community Framework Programmes', *Science and Public Policy*, Vol. 23, pp. 287-296, 1996.

### ***Special Issue***

22. Co-editor (with D. Mowery) of the Special Issue "Production and Dissemination of Academic Knowledge", *Economics of Innovation and New Technology*, Vol. 16(2), 2007.

### ***Books and major monographs***

23. (with A. Salter and W.E. Steinmueller), *Science and Innovation: Rethinking the Rationales for Funding and Governance* (eds.), Cheltenham: Edward Elgar, 2003. Paperback version published in March 2004.
24. *The Economics of Knowledge Production: Funding and the Structure of University Research*, Cheltenham: Edward Elgar, 1999. (Freely available at my home page: <http://www.sussex.ac.uk/Users/prff0/mainpages/home.html>)

**Book chapters**

25. (with G. Crespi). 'The Productivity of UK Universities', in M. Albert, D. Schmidtchen and S. Voigt. *Conferences on New Political Economy, Scientific Competition*, Mohr Siebeck, Vol 25, pp.71-95, 2008.
26. (with G. Crespi) 'Modelling and measuring scientific production: A first estimation for a panel of OECD countries' in F. Malerba and S. Brusoni (eds.) *Perspectives on Innovation*, Cambridge University Press, pp. 399-429, 2007.
27. (with R. Fontana and M. Matt) 'Firm Size and Openness: The driving forces of university-industry collaboration' in Y. Caloghirou, A. Constantelou and N.S. Vonortas (eds.), *Knowledge Flows in European Industry*, London: Routledge, pp. 185-209, 2006.
28. (with S. Brusoni) 'The Key Characteristics of Sectoral Knowledge Bases: An international comparison', in C. Antonelli, D. Foray, B. Hall and W. E. Steinmueller (eds.), *New Frontiers in the Economics of Innovation and New Technology: Essays in Honour of Paul A. David*, Cheltenham: Edward Elgar, pp. 361-385, 2006.
29. (with P. Llerena, M. Matt and M. Savona) 'Collaboration Between a Research University and Firms and Other Institutions' in F. Cesaroni, A. Gambardella and W. Garcia-Fontes (eds), *R&D, Innovation and Competitiveness in the European Chemical Industry*; Dordrecht: Kluwer Academic, pp. 145-173, 2004.
30. (with S. Brusoni) 'Specialisation and Integration. Combining patents and publications data to map the 'structure' of specialised knowledge' in W. Glänzel, H. Moed and U. Schmoch (eds.) *Handbook of Quantitative Science and Technology Research*, Dordrecht: Kluwer Academic Publishers, pp. 733-758, 2004.
31. (with R. Cutts and S. Brusoni) 'Future Imperfect. The Response of the Insurance Industry to the Emergence of Predictive Genetic Testing', in M. McKelvey, A. Rickne and J. Laage-Hellman (eds.), *The Economic Dynamics of Modern Biotechnology*, Cheltenham: Edward Elgar, pp. 207-234, 2004.
32. 'The Evolution of Specialisation: Public Research in the Chemical and Pharmaceutical Industries', in P. Saviotti (ed.), *Applied Evolutionary Economics: New Empirical Methods and Simulation Techniques*, Cheltenham: Edward Elgar, pp. 94-121, 2003.
33. 'Patterns of University Research in Europe', in A. Gambardella and F. Malerba (eds.), *The Organisation of Economic Innovation in Europe*, Cambridge: Cambridge University Press, pp. 367-389, 1999.

34. (with W. Garcia-Fontes), 'The Dynamic of Research Networks in Europe', in A. Gambardella and F. Malerba (eds.), *The Organisation of Economic Innovation in Europe*, Cambridge: Cambridge University Press, pp. 343-366, 1999.
35. (with M. Mariani), 'La Partecipazione Italiana ai Programmi Quadro della Commissione delle Comunita' Europee', in C. Antonelli, *Conoscenza Tecnologica*, Torino: Edizioni della Fondazione Giovanni Agnelli, pp. 327-374, 1999.
36. (with C. Antonelli), 'The International Economics of Telecommunications Services in Italy', in O. Granstrand & E. Bohlin (eds.), *The Race to European Eminence. Who Are the Coming Tele-Service Multinationals?*, Amsterdam: Elsevier Science, pp. 145-162, 1994.

### ***Other journal articles***

#### *Book Reviews*

37. Review of 'Science Bought and Sold. Essays in the Economics of Science' P. Mirowski and E.-M. Sent (eds.), in *Social Studies of Science*, Vol.33, pp.458-461, 2003.
38. Review of 'Regulation, Institutions, and Commitment', B. Levy and P. T. Spiller (eds.), in *Telecommunication Policy*, Vol.23, pp. 599-600, 1999.
39. Review of 'Systems of Innovation. Technologies, Institutions and Organisations', C. Edquist (ed.), & 'Universities and the Global Knowledge Economy', H. Etzkowitz and L. Leydesdorff (eds.), in *The Economic Journal*, Vol.109, No. 456, pp. 464-467, 1999.
40. Review of 'The Economics of Science Policy: An Analysis of the Althoff System', J.G. Backhaus (ed.), in *European Journal of Law and Economics*, Vol. 2, No. 3, pp. 247-249, 1995.

#### *Professional journal articles*

41. (with A. Salter and W.E. Steinmueller) 'Towards a New ERA in Research?', *Science & Public Affairs*, June, pp 25-26, 2001.
42. (with E. Cacciatori) I Nuovi Mercati delle Telecomunicazioni: Distant Teaching, *Beltel*, Vol. 4 (February), p. 47-48, 1999.

### ***Working papers not published in journals***

43. (with Crespi, G., P. D' Este and R. Fontana) 'The Impact of Academic Patenting on University Research and its Transfer', ICER Working paper Series, N: 01-09, 2009. <http://www.icer.it/docs/wp2009/ICERwp01-09.pdf>

44. (with Irene Cassarino) ‘Remixing Cinema: the case of the Brighton Swarm of Angels’ SPRU-University of Sussex Working paper, SEWP 165, 2007. <http://www.sussex.ac.uk/spru/documents/sewp165.pdf>
45. (with G. Crespi and B. Verspagen) ‘University IPRs and Knowledge Transfer. Is the IPR ownership model more efficient?’ SPRU-University of Sussex Working paper, SEWP 154, 2006. <http://www.sussex.ac.uk/spru/documents/sewp154.pdf>
46. (with G. Crespi and L. Nesta) ‘Labour Mobility of Academic Inventors. Career decision and knowledge transfer’. Series: European Forum, EUI Working Papers, RSCAS No. 2006/06, available from: [www.iue.it/RSCAS/Publications](http://www.iue.it/RSCAS/Publications).
47. ‘European Universities: An Interpretive History’, MERIT Research Memoranda, No. 2/96-012, Maastricht University, 1996. <http://www.merit.unimaas.nl/publications/rmpdf/1996/rm1996-012.pdf>
48. (with W.E. Steinmueller) ‘Joining the Information Society: Access Issues for Europeans’, MERIT Research Memoranda, Maastricht University, No. 2/96-024, 1996. <http://www.merit.unimaas.nl/publications/rmpdf/1996/rm1996-024.pdf>

### **Reports**

49. (with Irene Cassarino) ‘Distributed film production: Artistic experimentation or feasible alternative? – The case of ‘A Swarm of Angels.’ Report for the project Performance of distributed problem-solving networks, OII University of Oxford, 2007. Available at <http://www.oii.ox.ac.uk/research/project.cfm?id=45>
50. Report of the CREST Expert Group on: “Encourage the reform of public research centres and universities, in particular to promote transfer of knowledge to society and industry”. CREST, European Commission, 2007.
51. (with G. Crespi and P. D’Este) ‘Science and Technology Linkages: A review of the literature’ A report commissioned by the OST-DTI, 2006.
52. (with A. Gambardella) ‘La specializzazione scientifica italiana e relativa valutazione dei punti di forza’. A report commissioned by the Conferenza dei Rettori delle Università Italiane (CRUI), 2005.
53. (with G. Crespi) ‘The Productivity of Science: An international analysis’. A report commissioned by the OST-DTI, SPRU, University of Sussex, Brighton, 2004. <http://www.sussex.ac.uk/spru/publications/reports/CrespiOST.pdf>
54. (with N. Von Tunzelmann, M. Ranga, B. Martin) ‘The effects of size on research performance: A SPRU review’, SPRU, University of Sussex, Brighton, 2003. <http://www.sussex.ac.uk/spru/publications/reports/geunaOST.pdf>

55. (con L. Nesta) 'PRO Patenting in European Countries: Is Public Research Changing?' A report commissioned by the OECD, 2003.
56. (with S. Brusoni et.al.) IST-NewKInd project reports.  
<http://www.researchineurope.org/newkind/index.htm>
57. (with J. Gristock, et al.) 'An Analysis of ESRC Research Funding Impact: A Feasibility Study'. A report commissioned by the ESRC, SPRU, University of Sussex, Brighton, 2002.
58. (with S. Brusoni, A. Scott, E. Steinmueller, G. Steyn) 'The Economic Returns to Basic Research and Benefits of University-Industry Relationships'. A report commissioned by the OST-DTI, SPRU, University of Sussex, Brighton, 2001.  
<http://www.sussex.ac.uk/spru/publications/econreturnsost.pdf> .
59. (with A. Salter et al.) 'Talent, Not Technology: Publicly Funded Research and Innovation in the UK'. A report commissioned by the CVCP and HEFCE, SPRU, University of Sussex, Brighton, 2000.  
<http://www.sussex.ac.uk/spru/news/talent.html>.
60. (with D. Hidayat and B. Martin), 'Resource Allocation and Research Performance: The Assessment of Research'. A study carried out for the HEFCE, SPRU, University of Sussex, Brighton, 1999.
61. 'Traffico Telefonico Internazionale: Un Analisi delle più Recenti Tendenze in Europa e negli USA', in C. Antonelli *et al.*, *L'Industria delle Telecomunicazioni Nazionali nella Sfida Internazionale*, Fondazione Rosselli, Torino, 1996.
62. (with P.A. David and W.E. Steinmueller), 'Additionality as a Principle of European R&D Funding', STOA programme of the European Parliament, Luxembourg, also available as MERIT Research Memoranda, No. 2/95-012, Maastricht University, 1995.  
<http://www.merit.unimaas.nl/publications/rmpdf/1995/rm1995-012.pdf>
63. 'La Crescita della Produttivita' e le Spese in R&S: Il Ruolo dell'Impresa Pubblica in Italia', in C. Antonelli *et al.*, *Il Futuro dell'Impresa Pubblica in Europa nei Processi di Selezione delle Nuove Tecnologie*, Fondazione Rosselli, Torino, 1993.