

## ABBREVIATED CURRICULUM VITAE

Martina Newell McGloughlin

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### Education:

National University, Ireland	Biotechnology	D.Sc.
University College Dublin, Ireland	Industrial Microbiology	M.Sc.
Trinity College, Dublin, Ireland	Molecular Genetics	M.A.
Trinity College, Dublin, Ireland	Genetics	B.A.

### Academic Appointments:

2008 – Present	Associate Adjunct Professor, Dept. of Plant Pathology, UC Davis
2001 – Present	Director, University of California Systemwide Biotechnology Research and Education Program
2002 – 2008	Assistant Adjunct Professor, Dept. of Plant Pathology, UC Davis
1999 – 2002	Director, University of California System Life Sciences Informatics Program
1996 – 2001	Director, Biotechnology Program, UC Davis
1992 – 1996	Assistant Director, Biotechnology Program, UC Davis
1989 – 1992	Assistant Coordinator, Biotechnology Program, UC Davis

### Recent Service – University and Professional:

2008 – Present	Member, Committee on Research of the Academic Federation, UC Davis
2008 – Present	Dept. of Plant Pathology Representative, Graduate Education Standing Committee, College of Agriculture & Environmental Sciences
2007 – Present	Co-Director, NSF IGERT CREATE Training Program, UC Davis
2006 – Present	Board Member, Science Foundation Arizona (SFAz)
2005 – Present	Chair, Grants Committee, National Science Foundation Ireland (SFI)
2005 – Present	Member, American Economic Advisory Board (Ireland), chaired by the Prime Minister
2004 – Present	Board Member, US Public Sector Intellectual Property Resource for Agriculture (PIPRA)
2003 – Present	Board Member, National Science Foundation of Ireland (SFI)
2002 – Present	Co-Director, NIH Training Program in Biomolecular Technology, UC Davis

### Recent Biotechnology Publications:

**Newell-McGloughlin, Martina.** (2009) Biosafety and Environmental Impact of Genetic Engineering and Biotechnology. In: Encyclopedia of Biotechnology in Agriculture and Food. Published by Taylor & Francis Group, LLC (in press)

**Newell-McGloughlin, M.** (2008) Nutritionally Improved Agricultural Crops. Editor's Choice Series on the Next Generation of Biotech Crops. *Plant Physiology*. 147: 939-953.  
<http://www.plantphysiol.org/cgi/content/full/147/3/939>

Chassy, B.; Egnin, M; Gao, Y.; Glenn, K.; Kleter, G.A.; Nestel, P.; **Newell-McGloughlin, M.**; Phipps, R.H.; Shillito, R. (2008) Nutritional and Safety Assessments of Foods and Feeds Nutritionally Improved through Biotechnology. Case Studies Comprehensive Reviews: An Executive Summary. In: Food Science and Food Safety. January 2008, Vol. 7, pp. 54-58.  
<http://www3.interscience.wiley.com/journal/119423779/issue>

Chassy, B.; Egnin, M; Gao, Y.; Glenn, K.; Kleter, G.A.; Nestel, P.; **Newell-McGloughlin, M.**; Phipps, R.H.; Shillito, R. (2008) Nutritional and Safety Assessments of Foods and Feeds Nutritionally Improved through Biotechnology: Case Studies Comprehensive Reviews. In: Food Science and Food Safety. January 2008, Vol. 7, pp. 50 - 99.  
<http://www3.interscience.wiley.com/journal/119423779/issue>

**Newell- Newell-McGloughlin, Martina** (2007) Chapter 18: Impact of Biotechnology on Food Supply and Quality. In: Fennema's Food Chemistry, Fourth Edition. Editors: Srinivasan Damodaran, Kirk Parkin, and Owen R Fennema. Published by Taylor & Francis Group, LLC; pp 1051-1102.

**McGloughlin, M** and Re, Edward (2007). The Evolution of Biotechnology: From Natufians to Nanotechnology, Springer, XIV, 262 p, Hardcover.

**Newell-McGloughlin, M.** (2006) "A Retrospective prospective perspective on agricultural biotechnology." *Journal of Commercial Biotechnology*. Vol. 12 Issue 1 pp. 20-27.

**Newell-McGloughlin, M.** (2006) Functional Foods and Biopharmaceuticals: The Next Generation of the GM Revolution in Let Them Eat Precaution, Jon Entine, Ed. published by AEI Press, pp 163-178.

**Newell-McGloughlin M.** (2005) Agricultural Biotechnology Ten Years On: Lessons from the Past and Potential for the Future. Proceedings of the Taiwan-America Agricultural Cooperative Projects, pp1-9. Published by USDA, Washington DC.

Chassy Bruce, Jason J. Hlywka, Gijs A. Kleter, Esther J. Kok, Harry A. Kuiper, **Martina Newell-McGloughlin**, Ian C. Munro, Richard H. Phipps (2004) An Executive Summary. Nutritional and Safety Assessments of Foods and Feeds Nutritionally Improved through Biotechnology: *Journal of Food Science (JFS)* Vol 69, No 2: pp. CRH62-8.

Chassy Bruce, Jason J. Hlywka, Gijs A. Kleter, Esther J. Kok, Harry A. Kuiper, **Martina Newell-McGloughlin**, Ian C. Munro, Richard H. Phipps (2004) Improved Nutrition through Modern Biotechnology In Safety and Nutritional Assessments of Foods and Feeds Derived through Biotechnology, *Comprehensive Reviews in Food Science and Food Safety*. Pp 10-28 (ISSN 1541-4337) VOLUME 3, ISSUE 2: Institute of Food Technologists.

**Newell-McGloughlin, M.** (2004) Biotechnology: Risk Assessment and Public Policy Issues in Hand Book on Plant Biotechnology, editors Paul Christou, John Innes Institute, UK and Professor Harry Klee University of Florida, Gainesville, USA. P. 1488 Published by John Wiley & Sons, Ltd. of UK.

Bruce Chassy, Catherine Carter , **Martina McGloughlin**, Alan McHughen, Wayne Parrott, Christopher Preston, Richard Roush, Anthony Shelton, Steven H Strauss (2003) UK Field-Scale Evaluations Answer Wrong Questions, *Nature Biotechnology* 21, 1429 – 1430.

**Newell-McGloughlin, M.** (2002) Overview of Current Commercial Applications. LMOs and The Environment. Proceedings of the Organisation for Economic Co-Operation and Development (OECD) LMOs and the Environment: An International Conference in Raleigh-Durham, North Carolina OECD and USDA Washington DC.

Falk, Michael C., Bruce M. Chassy , Susan K. Harlander , Thomas J. Hoban, IV , **Martina N. McGloughlin** , Amin R.Akhlaghi (2002) Food Biotechnology: Benefits and Concerns, Life Sciences Research, *FASEB J. Nutr.* 132: 1384–1390.

**Newell-McGloughlin, M.** (2002) Agriculture Biotechnology in Business Briefings—Life Sciences Technology published by World Markets Research Centre, London.

**McGloughlin, M.** (2001) Public Perceptions of Agricultural Biotechnology – A Non Social Science Perspective. *Medical Anthropology Quarterly*, 15: 34-37.

**Newell-McGloughlin, M.** and Burke, J. (2000) Biotechnology: Present Position and Future Potential. Publishers, Teagasc, Dublin, Ireland

**Selected Speaking Engagements:**

- 3/28/09 “Science, the real stimulus package” Keynote speaker at The Graduate Research Fellows Grand Challenge Innovation Summit, sponsored by Science Foundation Arizona and Biosphere 2, Tucson, AZ
- 2/12/09 “GMOs and Laws and Regulations around the World” speaker at a luncheon seminar program for the Environmental Law Section of the Bar Association of San Francisco, CA
- 12/5/08 “Risk Assessment: Challenges of New Biotech Products” Keynote speaker at the 7<sup>th</sup> Biosafety Seminar organized by the Korea Biosafety Clearing-House and sponsored by the Korean government, Seoul, South Korea.
- 11/17/08 “Risk Assessment: Challenges of New Biotech Products” speaker for Session 1: Biosafety: Experience and Results at the 10<sup>th</sup> International Symposium on the Biosafety of Genetically Modified Organisms (ISBGMO), Wellington, New Zealand.
- 10/13/08 “Nutrition and safety assessment of foods and feeds nutritionally improved through biotechnology” speaker for workshop entitled “Scientific Basis for Safety Evaluation of GM Foods”, International Life Sciences Institute (ILSI) in partnership with the ILSI International Food Biotechnology Committee (IFBiC), Brasilia, Brazil.
- 9/24/08 “Biotechnological Foods/Food Ingredients (Innovation); The impact of innovative biotechnological processes and food ingredient products”, speaker in Session II, Track V on “The Quality of Food Ingredients”, US Pharmacopeia Annual Scientific Meeting, Kansas City, MO.
- 8/26/08 Session convener and chair, “Functional Foods and Bioactives” at the Agricultural Biotechnology International Conference (ABIC) 2008, Cork, Ireland.
- 3/13/08 “Biotechnology – the science, the impacts and the issues” speaker for the Bill & Melinda Gates Foundation internal “Applied Learning” workshop, Seattle, WA
- 3/23-3/28/08 Speaker on behalf of the U.S. State Department’s Office of International Information Programs on “Agricultural Biotechnology” in order to improve understanding of how GMOs interact with the environment and to encourage acceptance of the environmental benefits of biotechnology by policy makers and consumers, Paris, France.
- 12/7/07 Plenary lecturer for the USDA’s 2<sup>nd</sup> Symposium for Agriculture Biotechnology Risk Analysis Research. “Risk Assessment Challenges of New Biotech Products” sponsored by the USDA, FDA and the EPA, College Park, MD
- 10/17/07 “Closing the Yield Gap: Crop Protection for Poverty Alleviation” speaker for the BCPC XVI International Plant Protection Congress, Glasgow, Scotland
- 10/5/07 Speaker on Behalf of the United States Department of Agriculture on “Risks and Benefits of Genetically Modified Technology”, Auckland, New Zealand.
- 9/15-9/19/07 Speaker on behalf of the U.S. State Department’s Office of International Information Programs on “Agricultural Biotechnology”, Bucharest, Romania.
- 1/12 -1/17/07 “Biotechnology: Fortune’s Fool or Such Stuff as Dreams Are Made On?” Keynote speaker for the International Plant & Animal Genome Conference XV, San Diego, CA