

Professional Employment

- Research Fellow, ESRC Innogen Centre, University of Edinburgh (2002- present)
- Scientific Administrator & Science Operations Manager, Roslin Institute (2000- April 2008) part-time
- Research Associate, Scottish Universities Policy Research and Advice Network, University of Edinburgh (2000-2002) (part-time)
- Breeding Specialist, Pig Improvement Company (1983-1992)

Qualifications

- PhD Open University, innovation studies (2004-2011 part-time) Thesis title 'The Textures of Controversy: values and interests in disputes around genomics'
- MSc in Animal Breeding, University of Edinburgh (1982-1983)
- Wye College (later Imperial), University of London, BSc (Hons) 2.1 Agriculture (1978-1981)

Fellowships

- NERC Agri-food Industry Knowledge Exchange Fellowship, Jan 2012-Dec 2013 (50% time) to work with Unilever and Heineken and facilitate knowledge exchange between agri-food industry and NERC research
- ESRC Defra Placement Fellowship Sept-Dec 2009 'A science and technology study on newly emerging diagnostic technologies in agriculture: exploring attitudes, behaviours & wider social impacts' policy placement with Defra.

Grants awarded

- Defra grant April 2011- March 2012 in collaboration with the Food and Environment Research Agency on 'Investigating the benefits, costs and barriers to uptake of field diagnostics within the Plant Health and Seeds Inspectorate'.
- NERC grant Feb 2010- Jan 2011 'QUEST: Capturing Lessons from Interdisciplinarity (Co-Investigator)
- ESRC Small Grant Jan 2010-Dec 2011 'Mitigating the environmental impact of cattle and sheep: animal genetics and farmers' readiness for uptake' (Principal Investigator)
- Defra grant in collaboration with Biosciences Knowledge Transfer Network to begin to study how to optimise knowledge transfer in agriculture. March-May 2010
- European Commission Institute for Prospective Technological Studies 'Animal Cloning and genetic modification: a prospective study'. 2005. Collaborative grant. (Principal Investigator)

Selected Publications

- Bruce, A (2013) 'The lore of low methane livestock: co-producing technology and animals for reduced climate change impact', *Life Sciences, Society and Policy* 9 (10)
doi:10.1186/2195-7819-9-10
- Dicks, L. V., Bardgett, R. D., Bell, J., Benton, T. G., Booth, A., Bouwman, J., Brown, C., Bruce, A., Burgess, P. J., Butler, S. J., Crute, I., Dixon, F., Drummond, C., Freckleton, R. P., Gill, M., Graham, A., Hails, R. S., Hallett, J., Hart, B., Hillier, J. G., Holland, J. M., Huxley, J. N., Ingram, J. S. I., King, V., MacMillan, T., McGonigle, D. F., McQuaid, C., Nevard, T., Norman, S., Norris, K., Pazderka, C., Poonaji, I., Quinn, C. H., Ramsden, S. J., Sinclair, D., Siriwardena, G. M., Vickery, J. A., Whitmore, A. P., Wolmer, W., Sutherland, W. J. (2013) 'What Do We Need to Know to Enhance the Environmental Sustainability of Agricultural Production? A Prioritisation of Knowledge Needs for the UK Food System.', *Sustainability* 2013 (5) 3095-3115 doi:10.3390/su5073095
- Bruce, A., Castle, D., Gibbs, C., Tait, J., & Whitelaw, CBAW (2013) 'Novel GM animal technologies and their governance' *Transgenic Research* 22:681-695
DOI 10.1007/s11248-013-9724-5 ISSN 0962-8819
- Lyall, C., Bruce, A., Marsden, W. and Meagher, L. (2013) 'The role of funding agencies in creating interdisciplinary knowledge'. *Science and Public Policy* 40: 62-71

- Bruce, A. & Harmon S.H.E. (2009) 'Discursive typologies and moral values in stem cell politics, regulation and commercialisation: some preliminary observations' Part 1 *Journal of International Biotechnology Law* 6(2): 61-66. Part 2 *Journal of International Biotechnology Law* 6(3): 89-98
- Suk, J., Bruce, A., Gertz, R., Warkup, C., Whitelaw, C.B.A., Braun, A., Oram, C., Rodríguez-Cerezo, E., Papatryfon, I. (2007) 'Dolly for dinner? Assessing commercial and regulatory trends in cloned livestock'. *Nature Biotechnology* 25(1): 47-53
- Bruce, A. (2007) 'GM animals – another GM crops?' *Genomics, Society and Policy* 3(3):1-14
- Bruce, A., Lyall, C., Tait, J. and Williams, R. (2004) 'Interdisciplinary Integration in the Fifth Framework Programme'. *Futures*, 36:457-470
- Lyall, C., Bruce, A., Firn, J., Firn, M. and Tait, J. (2004) 'Assessing End-Use Relevance for Public Sector Research Organisations'. *Research Policy* 33: 73-87
- Tait, J. and Bruce, A. (2001) 'Globalisation and Transboundary Risk Regulation: Pesticides and Genetically Modified Crops', *Health, Risk and Society* 3(1):99-112

Books & book chapters

- Lyall, C., Bruce, A., Tait, J., Meagher, L. (2011) 'Interdisciplinary Research Journeys: Practical Strategies for Capturing Creativity.' Basingstoke, Bloomsbury Academic.
- Bruce, A. (2012) Fewer burps in your burgers or more birds in the bush? pp 207-212 in Potthast, T. and Meisch, S. (eds) 'Climate change and sustainable development: ethical perspectives on land use and food production', Wageningen Academic Publishers, Netherlands
- Laurie, G., Bruce, A. and Lyall, C. (2009) 'The Roles of Values and Interests in the Governance of the Life Sciences: Learning Lessons from the 'Ethics+' Approach of UK Biobank' pp 51-77 in Lyall, C., Papaioannou, T. and Smith, J. (2009) *The Limits to Governance*. Ashgate, Farnham
- Tait, J. and Bruce, A. (2004) 'Global Change and Transboundary Risks' in McDaniels, T.L. and Small, M.J. (eds) *Risk Analysis and Society: Interdisciplinary Perspectives*, Cambridge University Press, Cambridge: 367-419
- Bruce, A. and Tait, J. (2003) Interests, Values & Biotechnological Risk, Values in Decisions on Risk Conference, Stockholm, June 9-13, 2003

Other publications

- Bruce, A. (2012) A series of 6 briefing notes on reducing methane emissions from beef and sheep aimed at different sectors: farmers, policy makers, animal breeders, specialist beef and sheep producers and food industry. Available at www.burpingsheep.org.

Selected Reports

- Bruce, A. (2010) Attitudes to the use of rapid/point of care devices in the control of animal diseases. Innogen Working Paper no 86, March.
- Contributed to Tait, J. *et al.* (2006) *Consequences, Opportunities and Challenges of Modern Biotechnology for Europe (Bio4EU)*. European Techno-Economic Policy Support Network report for the Institute for Prospective Technology Studies (European Commission Joint Research Centre).
- Tait, J., Bruce, A. and Lyall, C. (2001) *Studies on People's values in relation to chemicals and their effects on humans and the natural environment*, Literature review for the Royal Commission on Environmental Pollution.

Additional Information

- Co-opted expert member of Exotic Disease Sub-group of the Defra Science Advisory Council 2012- present
- Member of SRUC Animal Ethics Committee 2013-present.
- Member of the Steering group for Scottish Funding Council Knowledge Exchange project on control of paratuberculosis in cattle (PARABAN) 2011- 2013

Featured in Research Fortnight Today, 'Top PI: Ann Bruce, a natural among social scientists', 6/2/2013

Member of the oversight group for BBSRC/MRC public engagement with stem cell research project 2007-2008

Invited speaker at:

- Scottish Consortium for Rural Research conference, Perth 20th March 2013 on 'Livestock for reduced climate change impact'
- Agrigenomics World Congress, Frankfurt 5th Sept 2012 on and Brussels, 8th July 2010 on livestock genetics.
- The International Society for Animal Genetics, Edinburgh 26-30th July 2010 on 'Better breeding- can we paint animal genomics on a wider (ethical) canvas?'