

PROF KATE M. MILLAR

Director, Centre for Applied Bioethics

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Professor Kate Millar is the Director of the Centre for Applied Bioethics (CAB) and Professor of Applied Bioethics and Technology Assessment, Schools of Biosciences and Veterinary Medicine and Science (SVMS), University of Nottingham, UK. Since 2016, Kate is President of the European Society for Agricultural and Food Ethics (EurSafe). She is on the Editorial Board of Food Ethics (Springer). Kate is a member of a number of advisory boards / committees, including the Concordat on Openness on Animal Research UK Steering Group, UK Rare Breeds Survival Trust Expert Advisory Panel, One Health European Joint Programme Ethics Advisory Group.

Kate's field of research is applied bioethics, with a particular interest in agri-food, veterinary, biotechnology and research ethics (related to agri-nutrition and animal-related research). In terms of approaches, Kate's research has focussed on the development and application of ethical frameworks (e.g. the Ethical Matrix), stakeholder participation and inclusive innovation methods. She has published on agri-food and animal ethics, research ethics, stakeholder engagement methods, responsible research and innovation (RRI), and integrated technology assessment methods. She has extensive international, European and UK research experience.

Kate has designed and delivered research ethics, social and ethical assessment, and stakeholder engagement workpackages and developed undergraduate bioethics, agri-food and animal ethics modules. She is also passionate about developing engaging postgraduate and professional research ethics and integrity training.

She has acted as a grant review panel Chair and panel member as well as a grant reviewer for a range of international funders, including UKRI, SFI (Ireland), Genome Canada, US NSF, FORMAS (Sweden), Dutch NWO.

SELECTED RECENT RESEARCH AND FUNDING ACTIVITY

2021-2024 VAX-TRUST: Addressing Vaccine Hesitancy in Europe **(Co-I)**;EU;
€2,971,675

2022-2025 3Rs and Animal Experimental Design Research and Training Partnership with Fund for Replacement of Animals in Medical Experimentation **(PI)** – FRAME UK Charity; £97,000

2021-2022 Development of an Animal Experimental Design Xerte Training Package **(PI)** FRAME - UK Charity; £8,801

2021-2022 Conference Grant "*Constructing and Contesting Veterinary Expertise: Professionals, Publics, and Prospects*". **(Co-I)** British Academy (approx £16,000)

- 2020-2021; Mezquite: a means to improving sustainable social, cultural and economic welfare in arid and semi-arid zones of Sinaloa Mexico Mexico; **(Co-I)** Newton Institutional Links grants; £100,000
- 2019 -2023; Micronutrient Action Policy Support (MAPS) Tool **(Co-I)**. Leading the cross-cutting Ethics and Stakeholder Engagement work package Bill and Melinda Gates Foundation; (Leading on Engagement and Research Ethics WP) \$5,627,859
- 2019 -2022; Global Challenges Research Fund. Global Research Translation Awards (GRTAs). **(Co-I)**, leading Research Ethics Capacity development (Zimbabwe); EPSRC; £805,425
- 2019-2022; Developing and delivering European level Industry accredited Training on Ethics, 3Rs and Experimental Design **(PI)** FRAME - UK Charity; £43,801
- 2019-2020; Mezquite: a means to improving sustainable social, cultural and economic welfare in arid and semi-arid zones of Sinaloa Mexico Mexico; **(Co-I)** GCRF £250,000
- 2018-2023; GeoNutrition – Examining barriers to reducing dietary micronutrient deficiencies (MNDs), widespread in southern and eastern Africa. **(Co-I;** WP lead). Leading the cross-cutting Ethics workpackage. Bill and Melinda Gates Foundation; \$5,903,324
- 2017-2022; Veterinary Bio-contained Facility Network for excellence in animal infectious disease research and experimentation (BioVetMed). (WP leader, **PI** for Nottingham) European Commission Horizon 2020 €15,279,600
- 2015-2018; BioSTEP: Promoting Stakeholder Engagement and Public Awareness for a Participative Governance of the European Bioeconomy (UNOTT **PI**, WP Leader) (3 years) European Commission Horizon 2020; €1.4M
- 2013-2016 Pre-Sto GMO ERA-Net. ERA-Net for effects of genetically modified organisms (GMOs) in the areas of human and animal health, the environment, and techno- economics and societies. **(PI,)** European Commission Framework 7; €1.3M
- 2012-2018; Making Science Public: Challenges and Opportunities. **(PI)** on Food Technology Assessment project (Project £226,446; **CI** MSP Programme). The Leverhulme Trust; £1,656,329
- 2011-2014; EU FP7– EST-Frame: Integrated assessment methods for measuring societal impacts of emerging scientific and technological developments. (WP leader, **PI** Nottingham) European Commission Framework 7; (€199,684); €1.4M

SELECTED ADVISORY AND REVIEW POSITIONS:

International Panel Member and Grant/Fellowship Review: SFI Panel Chair 2022 and Panel Member 2020 (Ireland, 2020;2022); Genome Canada (Sub-Chair 2021; Panel Member 2018-2021); RCUK Newton Grant Panel (UK; 2016) NSF (USA); FORMAS

(Swedish Research Council; Panel Member 2013 - 2020); Dutch NWO (Netherlands); The Wellcome Trust (UK).

SELECTED PUBLICATIONS

Matandika, L, **K Millar**, E Umar, E Joy, J Mfutso-Bengo (2022) Operationalising a real-time research ethics approach: supporting ethical mindfulness in agriculture-nutrition-health research in Malawi. *BMC Medical Ethics* 23 (1), 1-17

Chiutsi-Phiri G, Kalimbira AA, Banda L, Nalivata PC, Sanuka M, Kalumikiza Z, Millar, K. et al. (2021) Preparing for a community-based agriculture-to-nutrition trial in rural Malawi: formative research to assess feasibility and inform design and implementation decisions. *Pilot Feasibil Stud.* 7:141. doi: 10.1186/s40814-021-00877-1

Hobson-West, P. and **Millar, K.** (2021). Telling their own stories: Encouraging veterinary students to ethically reflect. *Veterinary Record* 188 (10) e17

Matandika, L, **Millar, K.**, E Umar, E Joy, G Chiutsi-Phiri, J Mfutso-Bengo (2021) Examining study participants' decision-making and ethics-related experiences in a dietary community randomized controlled trial in Malawi. *BMC Medical Ethics* 22 (1), 1-14

Palmer, A., Greenhough, B, P Hobson-West, JN Aegerter, Z Belshaw, Millar, K, et al (2020) Animal research beyond the laboratory: Report from a workshop on places other than licensed establishments (POLEs) in the UK. *Animals* 10 (10), 1868

Jackson, A., Green, M., **Millar, K.** and Kaler J (2020) Is it just about grazing? UK citizens have diverse preferences for how dairy cows should be managed. *Journal of Dairy Science.* 103(4):3250-3263

Joy, E.J.M., Kalimbira, A.A., Gashu, D. ..**Millar, K.** et al. (2019) Can selenium deficiency in Malawi be alleviated through consumption of agro-biofortified maize flour? Study protocol for a randomised, double-blind, controlled trial. *Trials* 20, 795

C. Cartelet, P. Hobson-West, S. Raman and **K. Millar** (2019) Companion animal veterinarians and the ethical dimensions of clinical knowledge. In "Sustainable governance and management of food systems: Ethical perspectives" ed Vinnari, E. and Vinnari. M. WAP. pp193- 199

Millar, K. (2018) Let's talk about veterinary ethics: developing tools, finding spaces and recognising institutional responsibilities. *Veterinary Record* 182 (23) 662-663

Ashall, V., **Millar K.**, and Hobson-West, P. (2018) Informed consent in veterinary medicine: Ethical implications for the profession and the animal 'patient'. *Food Ethics.* 1:3:247-258;

Raman, S. Hobson-West, P., Lam, M.E. and **Millar, K.** (2018) Science matters and the public interest: the role of minority engagement. In "Science and the Politics of Openness: Here be Monsters". ed Nerlich, B. et al. Manchester University Press, Manchester. pp 230-250

Hyde, R., Hartley, S. and **Millar, K.** (2017) European Novel Foods Policy at a Critical Juncture: Drawing lessons for future Novel Food Governance through a retrospective examination of Regulation 258/97 Food and Drug Law Journal. 72(3), 472

Ashall, V., **Millar K.**, and Hobson-West, P. (2017) Informed consent in veterinary medicine: Ethical implications for the profession and the animal 'patient'. Food Ethics. 1-12

Ribeiro, B., Smith, R. and **Millar, K.** (2017) A Mobilising Concept? Unpacking Academic Representations of Responsible Research and Innovation. Science and Engineering Ethics 21 (6):1413-1433

Davies, s. Ribeiro, B. **Millar, K** and Miller, S. (2016) Good practice guidelines for stakeholder and citizen participation in bioeconomy strategies. Ecologic Institute. pp35 <http://www.bio-step.eu/results/>

Forsberg E.M., Ribeiro B., et al., and **Millar, K.M.** (2016) Integrated assessment of emerging science and technologies as creating learning processes among assessment communities. Life Sciences, Society and Policy 12:9.

Ribeiro, B.E. and **Millar, K.** (2015) Public engagement in the bioeconomy: outlining an analytical framework for BioSTEP. Ecologic Institute. pp23 <http://www.bio-step.eu/results/>

Bremer, S., **Millar, K.**, Wright, N. and Kaiser M. (2015) Responsible techno-innovation in aquaculture: Employing ethical engagement to explore attitudes to GM salmon in Northern Europe. Aquaculture 437: 370–381

Raman, S., Mohr, A., et al., and **Millar, K.** (2015) Integrating Social and Value Dimensions into Sustainability Assessment of Lignocellulosic Biofuels. Biomass and Bioenergy 82, 49–62.

Shortall, O., Raman, S. and **Millar, K.** (2015) Are Plants the New Oil? Responsible Innovation, Biorefining and Multipurpose Agriculture. Energy Policy 86:360–368

Hartley, S. and **Millar, K.** (2014) The Challenges of Consulting the Public on Science Policy: Examining the development of European risk assessment policy for genetically modified animals. Review of Policy Research. 31:6:481-502

Reiss, T. and **Millar, K.** (2014) Assessment of emerging science and technology: Integration opportunities and challenges. Science and Public Policy. 41:269-271

Ashall, V. and **Millar, K.** (2014) Endpoint Matrix: a conceptual tool to promote consideration of the multiple dimensions of humane endpoints. ALTEX 31(2/14): 209-213

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