

Curriculum Vitae



Name:	Dr David Rodger McCleery
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Personal statement: I have a professional background in science, communication and public administration. I have extensive experience of leadership roles in the Agri-food sector across the island of Ireland. I am particularly interested in seeing sound, credible science being fully exploited to improve the lives of citizens.

Career History

Jan 2015 – present

Head of Bacteriology Branch,

Agri-Food and Biosciences Institute (AFBI)

I am responsible for strategic leadership and delivery of an integrated programme of statutory, diagnostic and R&D work on the major bacterial pathogens of animal and public health significance, including bovine TB. I manage 64 staff and a resource allocation of more than £2 million. I provide strategic leadership at Branch, Divisional and organisational levels.

Oct 2013 – Jan 2015

Northern Ireland Contact Point (Agri-food) for Horizon 2020

Department of Agriculture and Rural Development for Northern Ireland (DARD)/Agri-Food and Biosciences Institute (AFBI)

I provided strategic leadership for the Agri-food sector in Northern Ireland. I lead a significant change management programme to maximise opportunities under Horizon 2020 and to deliver economic, social and environmental impacts for the region. I was a member of an 8 person network with a £2.1M budget. I reported to the DARD Departmental Scientific Advisor and the Director of Finance and Corporate Affairs of AFBI.

Feb 2007 – Feb 2013

Public Appointment as Member of Northern Ireland Food Advisory Committee (NIFAC)

Food Standards Agency (FSA)

I provided strategic advice to the Food Standards Agency in the areas of public policy, organisational development and stakeholder engagement as well as assessing the impacts of activities. I reported to the Chair of NIFAC who was FSA Board Member

Dec 2004 – Sept 2013

Chief Specialist Microbiologist

safefood

I was responsible for the creation, exchange and exploitation of knowledge, the creation of scientific linkages and cooperation, the review of foodborne disease surveillance arrangements and the management of a range of change management programmes. I was responsible for resources with budgets in excess of €1M and 2 full-time staff and 8 part-time knowledge exchange facilitators, under contract. I reported to the Director Food Science.

July 2000 – Nov 2004

Project Leader/Lecturer

DARD/Queens University Belfast (QUB)

I delivered strategic research and development programmes and technology transfer for DARD and in the area of Risk Analysis and red meat hygiene and third level education programmes in Agriculture and Food for QUB. I was responsible for 5 staff and a budget in excess of £1M. I reported to the Head of Branch (DARD) and Head of School (QUB) and generated external income of ca. £600,000.

Educational Details

Master of Public Administration, University of Ulster (taught programme successfully completed, project due for completion)

Certificate in Managing Change, Institute of Public Administration (awarded, 2011)

PhD in Food Microbiology, QUB (awarded, 1998)

Postgraduate Diploma in Communication, QUB (awarded, 1994)

BSc (Hons) Food Science, QUB (awarded, 1992)

Other Training

Emerging Leaders Programme, QUB (completed, 2013)

Prince 2 practitioner (project management; awarded, 2012)

Common Purpose Leadership Programme (Cork Focus; completed, 2006)

Professional Membership

Member of the Institute of Food Science and Technology (IFST)

Additional Information

2014- 2016 Elected Chair of Institute of Food Science and Technology, NI Section

2009-2013 Served on the NI Regional Zoonosis Group

2005-2013 Member of Approvals Board of Excellence Ireland Quality Association

2006-2011 Member of Microbiological Safety of Foods Funders Group

2000-2004 Elected Branch Secretary of Institute of Food Science and Technology, NI Section

Grants

2002-2005 **safefood** award of £203,000 "Developing a risk communication model based upon food safety behaviour in the home".

2002 School of Agriculture and Food Science Research Incentivisation Award (£2,400)

2003 NIFDA/IFST young professional travel bursary (£1000)

2004-2007 **safefood** award of £390,000 "Development of a risk assessment model for *Salmonella* in shell eggs in Ireland".

Scientific Journals

McCleery, D.R. and Rowe, M.T. (1995) Development of a selective plating technique for the recovery of *Escherichia coli* O157:H7 after stress. Supplement to the Journal of Applied Microbiology, 79(i) viii.

McCleery, D.R. and Rowe, M.T. (1995) Development of a selective plating technique for the recovery of *Escherichia coli* O157:H7 after heat stress. Letters in Applied Microbiology, 21(4): 252-256.

McCleery, D.R., Rowe, M.T. and Ball, H.J. (1996) Effect of selective agents on the recovery and Verotoxin production of *Escherichia coli* O157:H7. Supplement to the Journal of Applied Bacteriology, 81 (2) xxii-xxiii.

McCleery, D. and Rowe, M. (1997) Interaction between *Escherichia coli* O157:H7 and food spoilage bacteria. Proceedings of "The 3rd International Symposium and Workshop on Shiga Toxin (Verotoxin)-Producing *Escherichia coli* Infection – VTEC '97" (Abstract V65/II)

McGuiggan, J.T.M, McCleery, D.R., Hannan, A., and Gilmour, A. (2002) Aerobic spore-forming bacteria in bulk milk: risk factors influencing the numbers of psychrotrophic, mesophilic and thermophilic *Bacillus* spores. International Journal of Dairy Technology, 55 (2) 100-107

McCleery, D.R. and Rowe, M.T. (2002) Development of a model meat system and investigation of the growth characteristics and genetic stability of *Escherichia coli* O157:H7, in the absence of meat microflora. Journal of Microbiological Methods, 49(2):135-145

McKee, R., McCleery, D.R., Rowe, M. T., Murphy, B.P., Buckley, H.G., Buckley, J.F., Gilroy, D., Fanning, S. (2003). Examination of in-line milk filters to detect necrotogenic *Escherichia coli* at farm level. Irish Journal of Agricultural and Food Research, 42(1):143-144

Murphy, B.P., Fanning, S., Buckley, H. G., McKee, R., McCleery, D.R., Rowe, M.T., Gilroy, D. (2003). Pathogenic microorganisms in water samples from dairy farms in the Cork region. *Irish Journal of Agricultural and Food Research*, 42(1):163-164

Murphy, B.P., Murphy, M., Buckley, J.F., Gilroy, D., Rowe, M.T., McCleery, D.R. and Fanning, S. (2005). "In-line milk filters analysis: *Escherichia coli* O157 surveillance of milk production holdings". *International Journal of Hygiene and Environmental Health*, 208(5):407-413.

McCleery, D.R., Stirling, J.M.E., McIvor, K., and Patterson, M.F. (2008). Effect of ante- and post-mortem hide clipping on the microbiological quality and safety and ultimate pH value of beef carcasses in an EC approved abattoir. *Journal of Applied Microbiology*, 104:1471-1479

D. McCleery (2008) Global perspectives and novel approaches for effective food safety communications within culturally diverse audiences. Presented at the International Association for Food Protection, Columbus, Ohio, 3-6 August. 2008 *Journal of Food Protection*, Supplement A 71, 13.

Lahuerta-Marin A., Muñoz-Gomez V. , Hartley H., Guelbenzu-Gonzalo M., Porter R., Spence N., Allen A., Lavery J., Bagdonaite G., McCleery D. (2017). A survey on antimicrobial resistant *Escherichia coli* isolated from unpasteurised cows' milk in Northern Ireland. *Veterinary Record* 180 (17), 426.

Book Chapters

R. Nelson, D. McCleery, N. Windrum, J. Phelan, A. Markey and R. Sweetnam. 2010. Chapter 8: Nutritional balance, the key to reducing the risks to the health of school children. In: Menoni, S. ed. *Risks Challenging Publics, Scientists and Governments*. London: Taylor & Francis Inc, pp.57-62.

Presentations

McCleery, D.R. and Rowe, M.T. (1995) Development of a selective plating technique for the recovery of *Escherichia coli* O157:H7 after stress. Presented at the Society for Applied Microbiology Summer Conference, July .

McCleery, D.R., Rowe, M.T. and Ball, H.J. (1996) Effect of selective agents on the recovery and Verotoxin production of *Escherichia coli* O157:H7. Poster presentation at the Society for Applied Microbiology Summer Conference, July.

McCleery, D. and Rowe, M. (1997) Interaction between *Escherichia coli* O157:H7 and food spoilage bacteria. Poster presentation at the 3rd International Symposium and Workshop on Shiga Toxin (Verotoxin)-Producing *Escherichia coli* Infection – VTEC '97, Baltimore, MD, June 22 – 26.

McCleery, D. and Rowe, M. (1997) Interaction between *Escherichia coli* O157:H7 and food spoilage bacteria. Poster presentation at the Society for Applied Microbiology Summer Conference, July.

McCleery, D. and Rowe, M. (1997) Interaction between *Escherichia coli* O157:H7 and food spoilage bacteria. Presented to the Institute of Food Science and Technology, Belfast, October.

McCleery, D.R., Nelson, R., Windrum, N., Markey, A., Phelan, J., Sweetnam, R. (2005) Food Safety in the Home – What are the Risks? Presented to the Society for Risk Analysis Europe, Como, 14 September.

D. McCleery (2008) Global perspectives and novel approaches for effective food safety communications within culturally diverse audiences. Presented at the International Association for Food Protection, Columbus, Ohio, 3-6 August.

Reports

Consumer Focused Review of the Finfish Food Chain (2006), **safefood**, available at: <http://www.safefood.eu/SafeFood/files/16/16104fb6-dee1-419b-8761-6cc8049695e2.pdf>

A Review of the Fruit and Vegetable Food Chain (2007), **safefood**, available at: <http://www.safefood.eu/SafeFood/files/89/8964f665-9bea-4c05-bacf-79e1eda9cd98.pdf>

Consumer Focused Review of the Pork Supply Chain (2008), **safefood**, available at: http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Research%20Reports/safefood_pork_CFR_FullReport_2.pdf

A Review of the Milk Supply Chain (2008), **safefood**, available at: http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Research%20Reports/safefood_dairy_report_web_version.pdf

A Review of the Beef Food Chain (2008), **safefood**, available at: http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Research%20Reports/Beef_CFR_3.pdf

Surveillance of Foodborne Pathogens on the island of Ireland (2010), **safefood**, available at: <http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Research%20Reports/SurveillanceOfFoodbornePathogensIOI.pdf>

Salmonella in pork on the island of Ireland (2010), **safefood**, available at:

<http://www.safefood.eu/SafeFood/files/e6/e6af0e48-626d-4c04-ae05-0399964185b3.pdf>

Consumer Focused Review of the Chicken Food Chain (2012), **safefood**, available at:
[http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Research%20Reports/Chicken-Food-Chain-Report-Oct-2012-\(3\).pdf](http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Research%20Reports/Chicken-Food-Chain-Report-Oct-2012-(3).pdf)

Consumer Focused Review of Fruit and Vegetables (2013), **safefood**, available at:
<http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Research%20Reports/CFR-Fruit-and-Vegetables-final-with-cover.pdf>