

PERSONAL INFORMATION



Nicolae Corcionivoschi

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Sex M | Date of birth 25/07/1975 | Nationality Irish/Romanian

POSITIONS AND WORK EXPERIENCE

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|-------------|---|
| 2014 - now | Head of Food Microbiology, Agri-Food and Biosciences Institute, Belfast, NI |
| 2016 - 2018 | Head of United Kingdom Reference Lab. for Milk and Milk Products |
| 2015 - now | Honorary Lecturer in Microbiology, Queens University Belfast |
| 2015 - now | Honorary Professor - USAMVB King Michael I, Timisoara, Romania |
| 2015 - now | PhD Supervisor at Queens University Belfast and USAMV Cluj-Napoca |
| 2012 - 2014 | Senior Research Fellow – NCRC, Dublin |
| 2005 - 2012 | Senior Postdoctoral Scientist – UCD, Dublin |
| 2004 - 2005 | Scientist – National Research Council of Canada, Ottawa |

EDUCATION AND TRAINING

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| 2018 | Doctor Honoris Causa – USAMVB King Michael I of Romania, Timisoara (2018) |
| 2016 | MIFST – Institute of Food Science and Technology – Elected Member |
| 2014 | Habilitation Thesis in Biotechnology – PhD Supervisor in Biotechnology |
| 2005 | PhD – Molecular Microbiology – University of Edinburgh, Scotland, United Kingdom |
| 1999 | MSc – Animal Nutrition – USAMVB King Michael I, Timisoara, Romania |
| 1998 | BSc – Biotechnology – USAMVB King Michael I, Timisoara, Romania |

Staff and Student Supervision

Since 2014 I mentor 23 staff and 2 post-doctoral scientists. Additionally, I am currently supervising 5 PhD students. Over the last 5 years I have supervised 2 master students and 8 ERASMUS visiting students

Professional and research

Technical Manager, UKAS, AFBI
 Head of Foodborne Zoonomics in AFBI, din 2016
 Honorary Lecturer in Microbiology, QUB
 Associate Editor – Animal INRA
 Associate Editor – Irish Veterinary Journal
 Scientific Editor – Romanian Biotechnological Letters
 Guest Editor – Frontiers in Microbiology
 Guest Editor – Microbiology MDPI
 Member of the British Society of Animal Science
 Member of the Society for Applied Microbiology
 Member of the Poultry Research Network <http://phm.net/members/>
 Associate Member – Research Institute of University of Bucharest

Computer skills

- Microsoft Office™ tools
- Graph Prism
- Microscope image processing tools

Awards

Irish Time Innovation Award - 2020
 Belfast Ambassador Recognition Award (2018) for the CHRO 2019 International Conference
 Second Prize (2012) – Irish Society of Gastroenterology Winter Meeting
 Young Investigator Travel Award (2007) – European Society of Clinical Microbiology and Infectious Disease.
 Young Investigator Travel Award (2005) – Society of General Microbiology
 First Prize (2007) – Banat's University of Agricultural Sciences and Veterinary Medicine Timisoara.
 Darwin Trust of Edinburgh (2001-2003) – Doctoral fellowship

Driving licence

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Current Projects *“Natural antimicrobials and bacterial virulence”*. Value of grant £265,000. Principal investigator. Industry funding. 2020-2025. [Director](#)

“The effect of prebiotic feed supplements in preventing pathogen infection in vitro and ex vivo”. Value of grant in full: £299,415. Principal Investigator. Industry funding. 2016-2020. [Director](#)

“Identification and prevalence of T6SS virulence factors in Campylobacter isolates within Moy Park farms”. Value of grant in full: £103,000. Principal Investigator. Industry funding – 2016-2019 [Director](#)

“Insects as a sustainable novel protein”. Value of grant in full: £186,310. Co-PI. Agri-Food Quest funding. [Collaborator](#)

“Role of diet & gut microbiota in odor emissions from pigs and off-flavors in pork”. Value of grant in full: £282,519. Co-PI. Agri-Food Quest funding. [Collaborator](#)

Ongoing and past projects as Director/Coordinator

Funding agency: Food Standards Agency (UK)

Project title: A microbiological survey of Campylobacter contamination in fresh whole UK produced chilled chickens at retail sale

Year of award: 2015

Value of grant in full: £143,554

Value to your research team/laboratory: £143,554

Main other partners involved: – Public Health England

Funding agency: Food Standards Agency

Project title: UK National Reference Laboratory for Milk and Milk Products.

Year of award 2013

Value of grant in full: £386,190

Value to your research team/laboratory: £386,190

Main other partners involved. – no other partners involved

Funding agency: Auranta

Project title: The effect of prebiotic feed supplements in preventing pathogen infection in vitro and ex vivo.

Year of award: 2017

Value of grant in full: £299,415.34

Value to your research team/laboratory: £299,415.34

Main other partners involved. – no other partners involved

Funding agency: Agri-Food Quest

Project title: Sustainable novel proteins (collaborator Prof N. Corcionivoschi)

Year of award: 2017

Value of grant in full: £186,311

Value to your research team/laboratory: £83,325

Main other partners involved: – Queens University Belfast

Funding agency: Agri-Food Quest

Project title: Role of diet & gut microbiota in odour emissions from pigs and off-flavours in pork (collaborator Prof N. Corcionivoschi)

Year of award: 2017

Value of grant in full: £282,519

Value to your research team/laboratory: £56,200

Main other partners involved: – Queens University Belfast

Funding agency: Alltech

Project title: The role of mananoligosachharides (MOS) in preventing Campylobacter colonization of poultry.(Dr N Corcionivoschi)

Year of award: 2015

Value of grant in full: £60,000
Value to your research team/laboratory: £60,000
Main other partners involved: – no other partners involved

Funding agency: Moy Park
Project title: Identification and prevalence of T6SS virulence factors in *Campylobacter* isolates within Moy Park farms. Prof N. Corcionivoschi
Year of award: 2017
Value of grant in full: £103,000
Value to your research team/laboratory: £103,000
Main other partners involved: – no other partners involved

Funding agency: Children Research Medical Foundation, Dublin – co-applicant
Project title: The role of capsular polysaccharides in virulence of *Campylobacter jejuni*
Year of award: 2009
Value of grant in full: €275,000
Value to your research team/laboratory: €275,000
Main other partners involved: – no other partners involved

CNCSIS
Project title: The role of probiotic bacteria in preventing *Campylobacter jejuni* colonization of poultry
Year of award: 2012
Value of grant in full: €250,000
Value to your research team/laboratory: €250,000
Main other partners involved: – no other partners involved

Funding agency: Children Research Medical Foundation, Dublin
Project title: The role of cytochrome P450s in the pathogenesis of *Pseudomonas aeruginosa*
Year of award: 2013
Value of grant in full: €10,115
Value to your research team/laboratory: €10,115
Main other partners involved: – no other partners involved

Funding agency: Children Research Medical Foundation, Dublin
Project title: The role of cytochrome P450s in the pathogenesis of *Campylobacter jejuni*.
Year of award: 2012
Value of grant in full: €15,000
Value to your research team/laboratory: €15,000
Main other partners involved: – no other partners involved

Funding agency: Safefood
Project title: Risk profiling *Listeria* in ready-to-eat foods (RTE) and determination of control strategies and practical interventions
Year of award: 2014
Value of grant in full: £187,000
Value to your research team/laboratory: £150,000
Main other partners involved: – Teagasc, London School of Hygiene and Tropical Medicine

Funding agency: Agri-Food and Biosciences Institute
Project title: Vaccine Development for *Campylobacter* spp.
Year of award: 2014
Value of grant in full: £43,000
Value to your research team/laboratory: £43,000
Main other partners involved: – no other partners involved

- Books** Probiotics – current status - Nicolae Corcionivoschi and Dan Drinceanu, Editura Mirton Timisoara, 2009.
 Cytochromes P450 in bacterial pathogens – Nicolae Corcionivoschi, Editura Ars Docendi, Bucharest.
 Manipulation of human and animal microbiome – Romanian Academy of Science, 2015.
 Food and Feed Safety Systems and Analysis – Chapters 7 and 8. Elsevier. 2017

Invited for Departmental seminars at: London School of Hygiene and Tropical Medicine, London UK
 National Children Research Centre, Dublin Ireland
 Royal Society of Chemistry
 Queens University Belfast
 Ulster University
 European Food safety Authority, Irish Branch
 Food Safety Authority, NI Branch
 Teagasc, Morepark, Ireland
 University of British Columbia, Vancouver, Canada
 AFBI, Fall Forum, University of Wisconsin, USA
 DAERA, NI – Seminar Series, Ballykelly Northern Ireland, January 2020

Publications

1. McMurray, R.; Ball, M.; Tunney, M.; Corcionivoschi, N.; Situ, C. Antibacterial Activity of Four Plant Extracts Extracted from Traditional Chinese Medicinal Plants against *Listeria monocytogenes*, *Escherichia coli*, and *Salmonella enterica* subsp. *Enterica* serovar Enteritidis. *Microorganisms* **2020**, *8*, 962.
2. Lauren Ford, Alexandros Ch. Stratakos, Katerina Theodoridou, Jaimie T. A. Dick, Gary N. Sheldrake, Mark Linton, Nicolae Corcionivoschi, Pamela J. Walsh. *ACS Omega* **2020**, April 10, 2020 <https://doi.org/10.1021/acsomega.9b03687>.
3. Campbell, M.; Ortuño, J.; Stratakos, A.C.; Linton, M.; Corcionivoschi, N.; Elliot, T.; Koidis, A.; Theodoridou, K. Impact of Thermal and High-Pressure Treatments on the Microbiological Quality and *In Vitro* Digestibility of Black Soldier Fly (*Hermetia illucens*) Larvae. *Animals* **2020**, *10*, 682.
4. Criste, A.; Urcan, A.; Bunea, A.; Pripon Furtuna, F.; Olah, N.; Madden, R.; Corcionivoschi, N. Phytochemical Composition and Biological Activity of Berries and Leaves from Four Romanian Sea Buckthorn (*Hippophae Rhamnoides* L.) Varieties. *Molecules* **2020**, *25*(5), 1170; <https://doi.org/10.3390/molecules25051170>.
5. Alexandros Ch Stratakos, Umer Zeeshan Ijaz, Patrick Ward, Mark Linton, Carmel Kelly, Laurette Pinkerton, Pam Scates, Jane McBride, Ioan Pet, Adriana Criste, Ducu Stef, Jillian M. Couto, William T. Sloan, Nick Dorrell, Brendan W. Wren, Lavinia Stef, Ozan Gundogdu, Nicolae Corcionivoschi, In vitro and in vivo characterisation of *Listeria monocytogenes* outbreak isolates, *Food Control*, Volume 107, **2020**, 106784, ISSN 0956-7135. Corresponding author.
6. Pinkerton, L.; Linton, M.; Kelly, C.; Ward, P.; Gradisteanu Pircalabioru, G.; Pet, I.; Stef, L.; Sima, F.; Adamov, T.; Gundogdu, O.; Corcionivoschi, N. Attenuation of *Vibrio parahaemolyticus* Virulence Factors by a Mixture of Natural Antimicrobials. *Microorganisms* **2019**, *7*, 679
7. Liaw Janie, Hong Geunhye, Davies Cadi, Elmi Abdi, Sima Filip, Stratakos Alexandros, Stef Lavinia, Pet Ioan, Hachani Abderrahman, Corcionivoschi Nicolae, Wren Brendan W., Gundogdu Ozan, Dorrell Nick. The *Campylobacter jejuni* Type VI Secretion System Enhances the Oxidative Stress Response and Host Colonization. *Frontiers in Microbiology*. Dec. **2019**, Vol 10, p2864.
8. Stratakos, A. C., Inguglia, E. S., Linton, M., Tollerton, J., Murphy, L., Corcionivoschi, N., Tiwari, B. K. (2019). Effect of high pressure processing on the safety, shelf life and quality of raw milk. *Innovative Food Science and Emerging Technologies*, *52*, 325-333. <https://doi.org/10.1016/j.ifset.2019.01.009>. Available from <https://uwe-repository.worktribe.com/output/1493729>
9. Berchez, Mihaela, Adriana Cristina Urcan, Nicolae Corcionivoschi, and Adriana Criste. "In vitro effects of phenolic acids and IgY immunoglobulins on aspects of rumen fermentation." *Romanian Biotechnological Letters* *24*, no. 3 (2019): 513-521.

10. Ungureanu, V., Corcionivoschi, N., Gndogdu, O., Pacala, N., Stef, L., Madden, B, (2019). Agrolife Scientific Journal. The emergence of B lactamase producing Escherichia coli and the problems in assessing their potential contribution to foodborne illness - a review
11. Sima, F., Stratakos, A., Stef, L., Gundogdu, O., Pet, I., Pacala, N., Pet, E., Lazar, V., Ward, P., Corcionivoschi, N. (2019). Agrolife Scientific Journal; The effect of an antimicrobial mixture on *Cryptosporidium*.
12. Ungureanu VA, Stratakos AC, Gundogdu O, Stef L, Pet I, Pet E, Pacala N, Corcionivoschi N. Virulence of a T6SS *Campylobacter jejuni* chicken isolate from North Romania. BMC Res Notes. 2019 Mar 28;12(1):180. doi: 10.1186/s13104-019-4201-8. PubMed PMID: 30922352; PubMed Central PMCID: PMC6437841. Corresponding author.
13. Gosemann JH, Friedmacher F, Hofmann A, Zimmer J, Kuebler JF, Rittinghausen S, Suttkus A, Lacher M, Alvarez L, Corcionivoschi N, Puri P. Prenatal treatment with rosiglitazone attenuates vascular remodeling and pulmonary monocyte influx in experimental congenital diaphragmatic hernia. PLoS One. 2018 Nov 12;13(11):e0206975. doi: 10.1371/journal.pone.0206975. eCollection 2018. PubMed PMID: 30418988; PubMed Central PMCID: PMC6231640.
14. Ijaz UZ, Sivaloganathan L, McKenna A, Richmond A, Kelly C, Linton M, Stratakos AC, Lavery U, Elmi A, Wren BW, Dorrell N, Corcionivoschi N, Gundogdu O. Comprehensive Longitudinal Microbiome Analysis of the Chicken Cecum Reveals a Shift From Competitive to Environmental Drivers and a Window of Opportunity for *Campylobacter*. Front Microbiol. 2018 Oct 15;9:2452. doi: 10.3389/fmicb.2018.02452. Corresponding author.
15. Stratakos AC, Linton M, Ward P, Campbell M, Kelly C, Pinkerton L, Stef L, Pet I, Stef D, Iancu T, Theodoridou K, Gundogdu O, Corcionivoschi N. The Antimicrobial Effect of a Commercial Mixture of Natural Antimicrobials Against *Escherichia coli* O157:H7. Foodborne Pathog Dis. 2018 Oct 2. doi: 10.1089/fpd.2018.2465. [Epub ahead of print] PubMed PMID: 30277811. Corresponding author
16. Sima F, Stratakos AC, Ward P, Linton M, Kelly C, Pinkerton L, Stef L, Gundogdu O, Lazar V, Corcionivoschi N. A Novel Natural Antimicrobial Can Reduce the in vitro and in vivo Pathogenicity of T6SS Positive *Campylobacter jejuni* and *Campylobacter coli* Chicken Isolates. Front Microbiol. 2018 Sep 7;9:2139. doi: 10.3389/fmicb.2018.02139. eCollection 2018. PubMed PMID: 30245680; PubMed Central PMCID: PMC6137164. Corresponding author
17. Sibanda N, McKenna A, Richmond A, Ricke SC, Callaway T, Stratakos AC, Gundogdu O, Corcionivoschi N. A Review of the Effect of Management Practices on *Campylobacter* Prevalence in Poultry Farms. Front Microbiol. 2018 Aug 24;9:2002. doi: 10.3389/fmicb.2018.02002. eCollection 2018. Review. PubMed PMID: 30197638; PubMed Central PMCID: PMC6117471. Corresponding author
18. Ugarte-Ruiz M, Domínguez L, Corcionivoschi N, Wren BW, Dorrell N, Gundogdu O. Exploring the oxidative, antimicrobial and genomic properties of *Campylobacter jejuni* strains isolated from poultry. Res Vet Sci. 2018 Aug;119:170-175. doi: 10.1016/j.rvsc.2018.06.016. Epub 2018 Jun 19. PubMed PMID: 29957495.
19. Igori Balta, Lucian Brinzan, Alexandros Ch. Stratakos, Mark Linton, Carmel Kelly, Laurette Pinkerton, N. Corcionivoschi (2018). Geraniol and linalool loaded nanoemulsions and their antimicrobial activity. Bulletin of university of agricultural sciences and veterinary medicine Cluj-Napoca Animal Science and Biotechnologies. Vol. 74(2).DOI:10.15835/buasvmcn-asb:0025. Corresponding author
20. Robert H. Madden, Mike Hutchison, Kieran Jordan, Vincenzo Pennone, Ozan Gundogdu, Nicolae Corcionivoschi. Prevalence and persistence of *Listeria monocytogenes* in premises and products of small food business operators in Northern Ireland, Food Control, Volume 87, 2018, Pages 70-78, ISSN 0956-7135. Corresponding author.
21. Alexandros Ch Stratakos, Filip Sima, Patrick Ward, Mark Linton, Carmel Kelly, Laurette Pinkerton, Lavinia Stef, Ioan Pet, Nicolae Corcionivoschi. The in vitro effect of carvacrol, a food additive, on the pathogenicity of O157 and non-O157 Shiga-toxin producing *Escherichia coli*. Food Control, Volume 84, 2018, Pages 290-296, ISSN 0956-7135, <https://doi.org/10.1016/j.foodcont.2017.08.014>. Corresponding author
22. Stratakos Ch. A, Sima F, Ward P, Linton M, Kelly C, Pinkerton L, Stef L, P, Iancu T, Pircalabioru G, Corcionivoschi N. The in vitro and ex vivo effect of Auranta 3001 in preventing *Cryptosporidium hominis* and *Cryptosporidium parvum* infection. Gut Pathog. 2017 Aug 31;9:49. doi: 10.1186/s13099-017-0192-y. eCollection 2017. PubMed PMID: 28883891; PubMed Central PMCID: PMC5580208. Corresponding author.
23. Carmel Kelly, Ozan Gundogdu, Gratiela Pircalabioru, Ada Cean, Pam Scates, Mark Linton, Laurette Pinkerton, Elizabeth Magowan, Lavinia Stef, Eliza Simiz, Ioan Pet, Sharon Stewart, Richard Stabler,

- Brendan Wren, Nick Dorrell, Nicolae Corcionivoschi. The in vitro and in vivo effect of Carvacrol in preventing *Campylobacter* infection, colonisation and improve chicken broilers productivity. 2017. *Foodborne Pathogens and Disease*. In press. Corresponding author.
24. David Colyle, Annemarie O'Donnell, Nicolae Corcionivoschi, John Gillick, Prem Puri. Rho-kinase expression in Hirschsprung's disease. 2015. *Pediatric Surgery International*. Aug. 2015.
 25. Nicolae Corcionivoschi, Ozan Gundogdu, Lynn Moran, Carmel Kelly, Pam Scates, Lavinia Stef, Ada Cean, Brendan Wren, Nick Dorrell, and Robert H. Madden. Virulence characteristics of hcp+ *Campylobacter jejuni* and *Campylobacter coli* isolates from retail chicken. 2015. *Gut Pathogens*. July 7:20. Corresponding author.
 26. Ada Cean, Lavinia Stef, Aida Vasile, Calin Julean, Simiz Eliza, Dan Drinceanu, Nicolae Corcionivoschi. The role of human isolated probiotic bacteria in preventing *Campylobacter jejuni* colonization of poultry. 2015. *Foodborne Pathogens and Disease*. Feb;12(2):122-30. doi: 10.1089/fpd.2014.1849. Corresponding author.
 27. Lavinia Stef, Ada Telea, Aida Vasile, Calin Julean, Dan Drinceanu, Nicolae Corcionivoschi. Virulence characteristics of five new *Campylobacter jejuni* chicken isolates. 2013. *Gut Pathogens*. 5:41 (13 December). Corresponding author.
 28. Luis Alvarez, Billy Bourke, Gratiela Pircalabioru, Atanas Georgiev, Ulla G. Knaus, Simon Daff and Nicolae Corcionivoschi. Cj1411c encodes for a cytochrome P450 involved in *Campylobacter jejuni* 81-176 pathogenicity. 2013. *Plos One*. Corresponding author.
 29. Corcionivoschi N, Alvarez LA, Sharp TH, Strengert M, Alemka A, Mantell J, Verkade P, Knaus UG, Bourke B. Mucosal reactive oxygen species decrease virulence by disrupting *Campylobacter jejuni* phosphotyrosine signaling. *Cell Host & Microbe*. 2012 Jul 19;12(1):47-59. PubMed PMID: 22817987.
 30. Alemka A, Corcionivoschi N, Bourke B. Defense and Adaptation: The Complex Inter-Relationship between *Campylobacter jejuni* and Mucus. *Front Cell Infect Microbiol*. 2012;2:15. Epub 2012 Feb 20. PubMed PMID: 22919607; PubMed Central PMCID: PMC3417559.
 31. Alemka A, Clyne M, Shanahan F, Tompkins T, Corcionivoschi N, Bourke B. Probiotic colonization of the adherent mucus layer of HT29MTXE12 cells attenuates *Campylobacter jejuni* virulence properties. *Infection and Immunity*. 2010 Jun;78(6):2812-22. Epub 2010 Mar 22. PubMed PMID: 20308300; PubMed Central PMCID: PMC2876579.
 32. Corcionivoschi N, Clyne M, Lyons A, Elmi undogdu O, Wren BW, Dorrell N, Karlyshev AV, Bourke B. *Campylobacter jejuni* cocultured with epithelial cells reduces surface capsular polysaccharide expression. *Infection and Immunity*. 2009 May;77(5):1959-67. Epub 2009 Mar 9. PubMed PMID: 19273563; PubMed Central PMCID: PMC2681765.
 33. Jan-H. Gosemann, Florian Friedmacher, Naho Fujiwara, Luis AJ Alvarez, Nicolae Corcionivoschi, Prem Puri (2013). Disruption of the bone morphogenetic protein receptor 2 pathway in nitrofen-induced congenital diaphragmatic hernia. June 18 *Birth Defects Res B Dev Reprod Toxicol*. 2013 Jun 18. Co - Corresponding author.
 34. Gosemann JH, Friedmacher F, Hunziker M, Alvarez L, Corcionivoschi N, Puri P. Increased activation of NADPH oxidase 4 in the pulmonary vasculature in experimental diaphragmatic hernia. *Pediatr Surg Int*. 2012 Nov 17. PubMed PMID: 23160901.
 35. Friedmacher F, Gosemann JH, Takahashi H, Corcionivoschi N, Puri P. Decreased pulmonary c-Cbl expression and tyrosine phosphorylation in the nitrofen-induced rat model of congenital diaphragm
 36. Duesse JW, Fujiwara N, Corcionivoschi N, Puri P, Thompson J. ROCK inhibitor (Y-27632) disrupts somitogenesis in chick embryos. *Pediatr Surg Int*. 2012 Nov 3. PubMed PMID: 23124130.
 37. Lavinia, S., Gabi, D., Drinceanu, D., Stef, D., Daniela, M., Julean, C., Ramona, T. & Corcionivoschi, N. (2009). The effect of medicinal plants and plant extracted oils on broiler duodenum morphology and immunological profile. *Rom Biotech Lett* 14, 4606-4614.
 38. Pelinescu, D.; Chifiriuc, M. C.; Ditu, L. M.; Sarbu, I.; Bleotu, C.; Vassu, T.; Stoica, I.; Lazar, V.; Corcionivoschi, N.; Sasarman, E. (2011); Selection and characterization of the probiotic potential of some lactic acid bacteria isolated from infant feces. *Rom Biotech Lett* 2011, 16, 3, 6178-6189, 30.
 39. Corcionivoschi, N.; Drinceanu, D.; Stef, L.; Luca, I.; Julean, C.; Mingyart, O.; Probiotics - identification and ways of action. (2010). *Inn. Rom. Food Biot.*, 6, 1-11.
 40. Corcionivoschi N. Using electron microscopy to detect bacterial morphological changes of *Campylobacter jejuni* 11168 as result of a cytochrome P450 gene knockout. *Bacteriol Virusol Parazitol Epidemiol*. 2007 Jan-Jun;52(1-2):51-7. PubMed PMID: 18441959.
 41. Corcionivoschi, N., Telea, A., Pacala, N. & Alemka, A. (2009). A new Strategy for Gene Deletion in *Campylobacter jejuni*. *Rom Biotech Lett* 14, 4383-4391.

42. Corcionivoschi, N. (2010). Characterisation of *Campylobacter jejuni* outer surface polysaccharides using high performance liquid chromatography (HPLC) and nuclear magnetic resonance (NMR). *Rom Biotech Lett* 15, 5293-5302.
43. The evaluation of NSP content and viscosity of extract from material used in combined feed from the west part of the country. Stef, L.; Drinceanu, D.; Ștef, D.; Fota, D.; Corcionivoschi, N.; Tulcan, C.; University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj- Napoca. Animal Science and Biotechnologies* , 2009, 66, 1/2, 469, 3 ref. <http://www.cabdirect.org/abstracts/20093349485.html>.
44. Corcionivoschi, N.; Drinceanu, D.; Stef, L.; Luca, I.; Julean, C.; Mingyart, O.; (2010) Probiotics - identification and ways of action. Galati University Press, Galati, Romania, *Innovative Romanian Food Biotechnology*, 2010, 6, 1-11, many ref. <http://www.cabdirect.org/abstracts/20103343310.html>

Scientific meetings participation/speaker/organiser

- 2019 – Organiser of CHRO 2019 Belfast, Northern Ireland (Chair of LOC and member of the scientific committee)
- 2019 - 70th annual EAAP meeting. Ghent (Belgium). Ortuño, J., Campbell, M., Stratakos, A., Linton, M., Corcionivoschi, N., Theodoridou, K. (2019) Effect of heating and high-pressure processing on the potential of Black Soldier Fly larvae as feed.
- 2019 - Nicolae Corcionivoschi – FSAI 2019 – Food safety, Dublin,
- 2019 - McMurray, R., Ball, M.E.E., Tunney, M.M., Corcionivoschi, N. and Situ, C. (2019). *World Poultry Science Association Programme and Summaries*, 34.
- 2018 – University of Agricultural Sciences and Veterinary Medicine Annual Meeting (Invited Plenary Speaker)
- 2017 - N. Corcionivoschi, – The in vitro and in vivo effect of Carvacrol in preventing *Campylobacter* infection, colonisation and improve chicken broilers productivity. 19th International Workshop on *Campylobacter*, *Helicobacter* and Related Organisms. Nantes, France.
- 2016 – Royal Society of Chemistry – Invited speaker. Science at Stormont, meeting organised by the RSC and the Northern Ireland Assembly on Antimicrobial Resistance. How to reduce the use of antibiotics and improve gut health in poultry.
- 2016 - Carmel Kelly, Pam Scates, Mark Linton, Laurette Pinkerton, Lavinia Stef, Eliza Simiz, Robert H. Madden and Nicolae Corcionivoschi – INRA-ROWETT Gut Microbiology – 20 years and continuing. 20-23/06/2016 –oral presentation.
- 2015 - Nicolae Corcionivoschi – World Poultry Science Association, UK Branch, Annual Meeting, Chester, England, Oral presentation. Virulence characteristics of hcp+ *Campylobacter jejuni* and *Campylobacter coli* isolates from retail chicken.
- 2015 – Nicolae Corcionivoschi – British Society of Animal Science, Annual Meeting, Chester, England, Oral presentation. The role of human isolated probiotics in preventing *C. jejuni* colonisation of poultry.
- 2013 – L. Alvarez, M. Strengert, N. Corcionivoschi, B. Bourke, U.G. Knaus. ROS signaling in mucosal immunity. SFRR – Europe 2013 Meeting “The new era of –omics in Free Radicals in Biology and Medicine”. Athens, Greece.
- 2013 - Hunziker M, O'Donnell AM, Gosemann J, Hofmann A, Alvarez L, Corcionivoschi N and Puri P: Increased Desmin Tyrosine Phosphorylation in Congenital Pelviureteric Junction Obstruction. 14th European Congress of Paediatric Surgery, Leipzig, Germany, June 2013.[Oral Presentation].
- 2012 - Hunziker M, Gosemann J, O'Donnell AM, Alvarez L, Corcionivoschi N and Puri P: Altered Anocatmin-1 (ANO1) Tyrosine Phosphorylation in Congenital Ureteropelvic Junction Obstruction. American Academy of Pediatrics, New Orleans, USA, October, 2012. [Poster Presentation]
- 2012 - Hunziker M, Gosemann J.H., O'Donnell AM, Corcionivoschi N, McDermott M and Puri P: Platelet-Derived Growth Factor Receptor Alpha Cells: A Novel Cell Type In The Human Ureter. 25th International Symposium, London, UK
- 2012 - N. Corcionivoschi, L Alvarez, U. Knaus and B. Bourke (2012) – Mucosal reactive oxygen species decrease virulence by disrupting *Campylobacter jejuni* phosphotyrosine signaling. American Society for General Microbiology. General Meeting. San Francisco, USA
- 2012 – Rome, Italy - 59th BAPS Annual International Congress/ 13th EUPSA Congress.
- 2012 – Villars-sur-Ollon, Switzerland - Subversion of Host Cellular Organization and Functions by Pathogens. EMBO Meeting.
- 2012 – Kilkenny, Ireland - Irish Society of Gastroenterology, Spring Meeting.
- 2011 - N. Corcionivoschi, L Alvarez, U. Knaus and B. Bourke. The role of ROS in mediating *Campylobacter jejuni* pathogenicity – Dublin, Ireland, Dublin Academy of Pathogenomics and Infection Biology, Annual Meeting – speaker
- 2011 - N. Corcionivoschi, L Alvarez, U. Knaus and B. Bourke (2011) – Mucosal reactive oxygen species decrease virulence by disrupting *Campylobacter jejuni* phosphotyrosine signaling. 15th International Workshop on *Campylobacter*, *Helicobacter* and Related Organisms. Vancouver, Canada – speaker.
- 2009 – Philadelphia, USA – American Society for General Microbiology, General Meeting.
- 2008 – Montreal, Canada – Canadian *Campylobacter* Conference

Curriculum Vitae

- 2007 - N. Corcionivoschi, M. Clyne, B. Bourke – Alteration in bacterial capsular polysaccharide following co-culture with human epithelial cells. 14th International Workshop on Campylobacter, Helicobacter and Related Organisms. Rotterdam, Netherlands
- 2007 – Toronto, Canada - American Society for General Microbiology, General Meeting.
- 2007 - N. Corcionivoschi, M. Clyne, B. Bourke – Alteration in bacterial capsular polysaccharide following co-culture with human epithelial cells. Irish Society of Gastroenterology. Winter Meeting. Dublin, Ireland
- 2005 - N. Corcionivoschi – A novel cytochrome P450 from Campylobacter jejuni 11168. Brisbane, Gold Coast, Australia - 13th International Workshop on Campylobacter, Helicobacter and Related Organisms.
- 2003 – St. Andrews, UK – Enzyme Mechanism: A Structural Perspective, Society of Biochemistry.

Prof. dr. ing. HC Nicolae Corcionivoschi PhD, MIFST

