

Dr Efstathios (Stathis) Giotis

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Qualifications:

- **2002-2006: PhD in molecular microbiology** Ulster University and Illinois State University.
 - Title: 'Alkaline Tolerance Response (ATR) of *Listeria monocytogenes*'
 - Vice Chancellor's Research Studentship (4-year)/ESCMID-training grant (6 months)
 - 7 published papers from my PhD studies in peer reviewed journals.
- **2001-2002: MSc in biotechnology** Ulster University (UU)
 - Distinction (88%)
 - European Social Fund studentship (1-year).
- **1995-2001: Doctor of Veterinary Medicine (DVM)** Aristotle Univ. of Thessaloniki, Greece
 - Distinction (7/10)
 - Specialisation in Food Hygiene & Technology/Veterinary Public Health.

Employment:

- **2020-Present: Lecturer in molecular virology**, School of Life Sciences, University of Essex (UoE)
- **2020-Present: Honorary Senior Research Fellow in virology**, Imperial College London (ICL)
- **2012-2020: Research fellow in virology/ viral transcriptomics**, Imperial College, London
 - Microarray/RNA-sequencing (incl. bioinformatics analyses) to identify host factors associated with entry/replication and species-restriction of avian/bat- borne and human viruses including Hepatitis B, Zika & influenza A viruses
 - 10 papers in peer-reviewed journals including Nature, Nature Microbiology and Sci. Reports
 - Lab management and co-supervision of PhD, MSc and undergraduate students
 - Initiated/developed research collaborations with J. Mercer, UCL; B. Pain, Lyon; M. McGrew, Roslin; L. Wang, Singapore; I Jones, Reading; N. Temperton, Kent; D. Mathews, Bristol etc.
- **2009-2012: Research fellow in molecular microbiology**, Royal Veterinary College London (RVC) & School of Veterinary Medicine, University of Copenhagen, Denmark (EU-FP7 funded)
 - Developed gnotobiotic animal models and used epidemiology tools to study zoonotic MRSA
 - Obtained personal & project license for experimentation with live/gnotobiotic animals in the UK and Denmark (RVC/09/021). UK government security clearance (1-2HX6SPI) until 30/01/2029.
 - Co-developed/managed a commercial platform for antibacterial technologies
 - Acted as a work package leader writing periodic reports & supervising research progress
 - 4 published papers. Supervisor: Prof. Katharina Staerk.
- **2006-2007: Postdoctoral fellow in immunogenetics**, Roslin Institute, Edinburgh (RI)
 - Subject: The mechanisms of chicken anaemia virus-induced immunosuppression
 - Reverse genetics, DNA sequencing and transcriptomics tools (e.g. microarrays, qRT-PCR)
 - 2 published papers. Supervisors: Profs Pete Kaiser, Dave Burt, Liz Glass.
- **2005-2006: Research assistant in molecular microbiology**, Illinois State University, USA (ISU)
 - Subject: Contribution of membrane branched-chain fatty acids in *S. aureus* SH1000 survival
 - Gas Chromatography, Northern/Southern Blot, microarray analyses
 - 1 published paper. Supervisor: Prof Brian Wilkinson

Non-academic employment:

- **2007-2009: Military service** (compulsory), Samos island, Greece. Official military veterinarian for the circumvention of Avian Influenza in Northeast Aegean isles during the H5N1 outbreak (2008).
- **2000-2001: Veterinary surgeon at Athanassiadis veterinary clinic**, Thessaloniki Greece.

Evidence of esteem:

- **2021:** Chairing at the Avian Pathogens meeting 2021 Microbiology Society UK
- **2021:** External collaborator for the Laboratory of Animal Health, Agriculture University of Ioannina
- **2020:** Invited seminar in the Pirbright Institute Scientific Seminars 2020
- **2020:** Reviewed risk assessments for the establishment of a bat colony, Univ. Brunei Darussalam
- **2019:** Invited seminar in Peter Medawar Building Seminars, University of Oxford
- **2019:** Quest editor for 'Frontiers in Cellular and Infection Microbiology' special issue on bat viruses.
- **2019:** Invited lecture for the MSc 'Disease in Livestock ecosystems', University of Edinburgh.
- **2018:** Invited commentary/opinion article from the Journal of Avian Pathology.
- **2016:** Invited lectures from City U. H. Kong for an MOOC course (VPH) at FutureLearn website.
- **2016:** Invited presentation in Malaysia (British council UK-Malaysia Vaccinology Workshop 2016).
- **2016:** Invited presentation at the BVPA meeting on viral vaccines and vaccination (Harrogate).
- **2013 & 2014:** Invited workshops on infectious diseases at the Vet. School, Kandy-Sri Lanka.
- **2011-Present:** Member of the editorial board of the Journal of Food Research.
- **2010-Present:** Reviewed research grants applications (9) for: DHSC/UKRI Global Effort on COVID-19 (GECO) Health Research competition 2020-College of Experts, BBSRC, MRC and Greek Education Ministry.
- **2009-Present:** Reviewed more than 30 papers for: J Virol, J Gen Virol, Sci Rep, J Vet Res etc

Awards/Grants (Total: £178,766):

- **2021:** Global Challenges Research Fund (£35,700) A metagenomic approach to identify alternative reservoir hosts of Lassa virus and related arenaviruses in Nigeria
- **2021:** Industrial grant from Elentec Ltd (£4,727) project entitled: "Antiviral solutions – Development of solutions based on electrochemically generated metallic nanoparticles to demonstrate efficiency in eliminating bacteria and viruses".
- **2021:** Industrial grant from Blueberry Therapeutics Ltd, UK (£4,339) 'Validation of an antiviral nanopolymer compound developed by Blueberry Therapeutics and confirm antiviral effects of the polymer against SARS-CoV-2'.
- **2020:** Daiwa Foundation Award (£7,000) Identify HBV-mediated gene expression changes of induced pluripotential stem cell-derived hepatocytes with RNA-seq.
- **2018:** Wellcome-Trust (215073/Z/18/Z; £52,000, Four-Year PhD studentship in basic science): Comparative molecular virological analysis of Caribbean and S. American Vs Pacific Zika viruses.
- **2015:** Houghton Trust (£10,000) to study 'Chicken embryonic stem cells as vaccine substrates'.
- **2007:** Research project grant (£35,000) from Eadgene to extend my research at RI for 3 months.
- **2006:** Excellence award (£5,000) from A. Daskalopoulos Institute, Athens for my work on AITR.
- **2005:** Excellence training grant (£25,000) from ESCMID for a 6-month research visit to ISU.
- **2002-2006:** Vice-Chancellor's Research PhD Studentship (UU).
- **2001-2002:** European Social Fund (ESF) MSc studentship.
- **1992 & 1993:** Greek annual mathematics competition: 4th (regional) and 2nd (national) position.

Travel grants:

- Travel grant (British Council) to present to the GARAD meeting in Vietnam, January 2017.
- Travel grant (British Council) to present to the Vaccinology meeting in Malaysia August 2016.
- Attendance grant (ESCMID) to attend the ESCMID Conference on Diagnosing Infectious Diseases October 2011, Venice, Italy.
- Travel Grant from SGM to attend the 16th ECCMID congress, Nice, France, 1st-5th April 2006.
- Travel grant from SGM to attend the 15th ECCMID in Copenhagen, Denmark, April 2005.
- Travel grant from SGM to attend the SGM meeting in Cork, Ireland, April 2005.

Teaching and supervision:

- **2021:** Fellowship of Higher Education Academy (FHEA; PR213765_21032021)
- **2020-present:** Lectures for the modules: Immunity in Health and Disease, Issues in Biomedical Science and Molecular and Developmental Immunology
- **2021-present:** Supervisor of MSc Molecular Medicine, and MSD students at University of Essex
- **2018-present:** Co-supervisor of a Wellcome-Trust 4-year PhD student (Ms A. Gallagher, ICL).
- **2016-present:** Tutor/assessor for the MSc's in Virology, Immunology and Genomic Medicine (ICL).
- **2012-present:** Co-supervisor of: 4 PhD students (ICL, RVC), 10 MSc students (MSc Molecular Biology & Pathology of viruses, ICL), 12 visiting scholars & 10 undergraduate students (ICL, RVC).
- **2009-current:** Part-time lecturer/examiner for the Univ London MSc/PG in VPH.
- **2008-present:** Lecturer for the virtual learning MSc and Postgraduate diplomas in VPH and Risk analysis provided by UU and the University College of Dublin (approx. 30-40 students per year).
- **2009-2012:** Lectures/tutorials for VetSci/VetMed (RVC, 20h/semester).
- **2005:** Associate HEA Teaching award (UU)
- **2002-2005:** Laboratory demonstrations in microbiology (UU, ISU).

Outreach and engagement (selected):

- **2020:** Presented an X-Wow lecture without borders on zoonoses for the X-WOW social enterprise for digital pathologists
- **2020:** Contributed to a documentary on the COVID-19 pandemic by Outpost Pictures (Poppy Chandler) production (08.07.2020)
- **2020:** Participated in a virtual public discussion on Pandemic, Environment, Agrifood: Social and Political Challenges organised by the Kapodistrian University of Athens and CONEF (30.06.2020)
- **2020:** Participated in an artistic virtual project (The Great Disorder) on the pandemic by Statement Art; Director Oliver Squirrell and founding artists Siris Hill and Nicolas Ruston on 01.07.2020
- **2020:** Interviewed by SkyNews on the role of bats & SARS-CoV-2
- **2020-2021:** Contributed to articles and shows for BBC Essex, CNN, Reuters and Straits Times on the coronavirus pandemic.
- **2019/2020:** Member of the CREST academy: scientific mentoring and support to help students aged 16–18 successfully undertake and submit a project for a British CREST award.
- **2015/2016:** (Co-)authored/managed websites as community resources: AvianVirusResearch (<http://AvianVirusResearch.org>) and ChISG Browser (<http://cisbic.bioinformatics.ic.ac.uk/skinner>).
- **2013/2014:** Presentation at the Cheltenham science festival (Understanding virus-chicken battle).
- **2011:** Participated in the RVC educational training program in schools in Potters Bar area.
- **2010:** Contributed/participated in a podcast (EU-FP7) on infection of animals with MRSA ST 398.
- **2009-2012:** Member of the EU-funded communication/technology testing platform for the risk management and control of MRSA ST398 in animals (<http://www.fp7-pilgrim.eu>).
- **2003-Present:** Presented in > 50 scientific meetings (oral/poster format).

Membership of professional and learned societies:

- **2014-Present:** Microbiology Society (UK),
- **2014-Present:** British Veterinary Poultry Association (BVPA),
- **2005-Present:** European Society of Clinical Microbiology and Infectious Diseases (ESCMID),
- **2001-Present:** Greek Association of Veterinary surgeons (equivalent to the RCVS).

Skills:

- Extensive experience in containment level I, II and III laboratory facilities.
- Home Office Training/License (Personal license) to undertake work with animals, under the UK Animals (Scientific Procedures) Act 1986 (RVC/09/021; 2009-2012).
- Developing/managing e-courses for UU, UCD, UoL using Blackboard Learn tools including Zoom, Moodle, Slack and Blackboard Collaborate (www.learning.ulster.ac.uk and <https://learn.rvc.ac.uk>).

- Web authoring/management (i.e. avianvirusresearch.org).
- Managing and uploading microarray/RNA-seq data on databases (Arrayexpress, GEO, SRA).
- Computer skills: Excellent level of computer literacy; familiarity with windows, office tools, SPSS, Adobe Acrobat, Web-CT/Blackboard, Certificate: Thessaloniki Chemists Union IT workshop series.
- Scientific softwares: Graph pad Prism, SPSS (statistics), CLC and CLC-bio (cloning), Phoretix and Progenesis PG200 (2D gel analysis), Pro-Gel Analyser (SDS-PAGE gel analysis), TIGR MIDAS, Partek Flow (RNA-seq), Partek Genomics Suite (Microarrays), Genespring, Genemapp, GeneGO, DAVID, Ingenuity Pathway Analysis (microarrays/RNAseq), Genomatix (promoter analysis), R software, Bioedit, Biolign (sequencing), FlowJO (FACS).
- Foreign languages: Greek (native speaker), English, French and Italian. Certificates:
 - *English*: First Certificate and Proficiency of Cambridge University (2000).
 - *French*: Certificat de l' Institut Francais d' Athenes (1996),
 - *Italian*: DELI 2-Instituto d' Atene (2001).

Referees:

- **Dr Michael Skinner Reader in Virology** Imperial College, School of Medicine, Department of Medicine, St Mary's Campus, W2 1PG, Email: m.skinner@imperial.ac.uk Tel: 02075943938.
- **Professor of Virology Wendy Barclay** Imperial College, School of Medicine, Department of Medicine St Mary's Campus, W2 1PG, Email: w.barclay@imperial.ac.uk Tel: 02075945035.
- **Dr Nigel Temperton Senior Lecturer in Biological Sciences** University of Kent and Greenwich, Medway school of Pharmacy. Email: N.Temperton@kent.ac.uk Tel: 01634202957.

Publications:

I (co-) authored 33 peer-reviewed journal articles (19 as lead author, 11 as corresponding author); [Google scholar citations (September 2021): 987; *h*-index: 16, *i*-index: 19]

Preprint and currently-reviewed publications:

- The bat influenza H17N10 can be neutralized by broadly-neutralizing monoclonal...[Carnell C, Giotis ES*](#), *et al* bioRxiv 2019 doi: <https://doi.org/10.1101/499947>.
- Molecular interaction of chicken anaemia virus (CAV) infection Giotis ES et al. Invited paper from J. Pathogens (January 2022) for the CAV collection.

Chapters

- [Giotis ES](#) and Skinner MA (2021) Fowlpox Virus and Other Avipoxviruses (Poxviridae). In: Bamford, D.H. and Zuckerman, M. (eds.) Encyclopedia of Virology, 4th Edition, vol. 2, pp. 343–348. Oxford: Academic Press.
- [Giotis ES et al](#) (2010) Standardisation and optimisation of...Book: **Microorganisms in industry and environment** Scientific and Industrial Research to Consumer Product, 441-445.

Refereed full papers

1. Leach DA, Mohr A, [Giotis ES](#), Cil E, Isak AM, Yates LL, Barclay WS, Zwacka RM, bevan CL and Brooke GN (2021). The antiandrogen enzalutamide downregulates TMPRSS2 and reduces cellular entry of SARS-CoV-2 in human lung cells **Nature Communications** 12, 4068.
2. Asfor AS, Nazki S, Reddy VRAP, Campbell E, Dulwich KL, [Giotis ES](#), Skinner MA, Broadbent AJ (2021) Transcriptomic Analysis of inbred chicken lines reveals infectious bursal disease severity is associated with greater bursal inflammation in vivo and more rapid induction of pro-inflammatory responses in primary bursal cells stimulated ex vivo. **Viruses** 13: 933.
3. [Giotis ES*](#), Matthews DA and Smith J (2021). Editorial: Host innate immune responses to infection by avian- and bat-borne viruses. **Frontiers in Cellular Infection Microbiology** 11:651289.
4. Oliveira M, Rodrigues DR, Guillory V, Kut E, [Giotis ES](#), Skinner MA, Guabiraba R, Bryant CE, Ferguson (2021) Chicken cGAS senses fowlpox virus infection and regulates macrophage effector functions. **Frontiers in Immunology** 1, 11: 613079.

5. [Giotis ES*](#), Laidlaw SM, Bidgood SR, Albrecht D, Burden JJ, Robey RC, Mercer J, Skinner MA (2020) Modulation of early host innate immune response by an avipox vaccine virus' lateral body protein. **Biomedicines** 8, 634.
6. Liu, PJ, Harris, JM, Marchi, E, D' Arienzo V, Michler T, Wing PAC, Magri A, Ortega-Prieto AM, Klundert M, Wettengel J, Durantel D, Dorner M, Klenerman P, Protzer U, [Giotis ES](#), McKeating JA (2020) Hypoxic gene expression in chronic hepatitis B virus infected patients is not observed in state-of-the-art in vitro and mouse infection models. **Scientific Reports** 10, 14101.
7. [Giotis ES*](#) (2020) Inferring the urban transmission of bat influenza viruses **Frontiers in Cellular Infection Microbiology** 10, 264.
8. Dulwich KL, Asfor A, Gray AG, Giotis ES, Skinner MA, Broadbent A (2020) The stronger downregulation of in vitro and in vivo innate antiviral responses by a very virulent strain of infectious bursal disease virus (IBDV), compared to a classical strain, is mediated, in part, by VP4. **Frontiers in Cellular Infection Microbiology** 10, 315.
9. [Giotis ES*](#), Carnell G, Young EF, Ghanny S, Soteropoulos P, Wang L-F, Barclay WS, Skinner MA, Temperton N (2019) Entry of the bat influenza H17N10 virus into mammalian cells is enabled by the MHC class II HLA-DR receptor. **Nature microbiology**, 4: 2035-2038.
10. [Giotis ES*](#), Montillet G, Pain B, Skinner MA (2019) Chicken embryonic-stem cells are permissive to poxvirus recombinant vaccine vectors **Genes (Basel)** 20: 10(3).
11. [Giotis ES*](#), Skinner MA (2019) Spotlight on avian pathology: fowlpox virus. **Avian Pathology** 2019; 48(2):87-90.
12. Mariatulqabtiah AR, Majid NN, [Giotis ES](#) et al (2019) Inoculation of fowlpox...**Asia-Pacific Journal of Molecular Biology and Biotechnology** 27, 84-94.
13. [Giotis ES*](#), Scott A, Rothwell L, Hu T, Talbot R, Todd D, Burt DW, Glass EJ, Kaiser P (2018) Chicken anaemia virus evades host immune responses in transformed lymphocytes. **Journal of General Virology** 99: 321-7.
14. [Giotis ES](#), Ross CS, Robey RC, Nohturfft A, Goodbourn S, Skinner MA (2017) Constitutively elevated levels of SOCS1 suppress innate immune responses in DF-1 immortalised chicken fibroblast cells **Scientific Reports** 7: 17485.
15. [Dulwich KD](#), [Giotis ES](#) (Joint first authors), Gray AG, Nair V, Skinner MA, Broadbent AJ (2017) Differential gene expression in chicken primary B cells infected ex vivo with attenuated and very virulent strains of infectious bursal disease virus (IBDV). **Journal of General Virology** 98: 2918-30
16. Tierney M, Gallagher AM, [Giotis ES](#), Pentieva K (2017) An online survey on consumer knowledge and understanding of added sugars **Nutrients** 9 (1): 37-43.
17. Long JS, [Giotis ES](#), Moncorgé O, Frise R, Mistry B, James J, Morisson M, Iqbal M, Vignal A, Skinner MA, Barclay WS (2016) Species difference in ANP32A underlies influenza A virus polymerase host restriction **Nature**, 529:101-104.
18. [Giotis ES](#), Robey RC, Skinner NG, Tomlinson CD, Goodbourn S, Skinner MA (2016) Chicken interferome: Avian interferon-stimulated genes identified by microarray & RNA-seq of primary chick embryo fibroblasts treated with a chicken type I interferon (IFN- α) **Vet Res**, 47 (1), 75.
19. [Giotis ES*](#), Rothwell L, Scott A, Hu T, Talbot R, Todd D, Burt DW, Glass EJ, Kaiser P (2015) Transcriptomic profiling of virus-host cell interactions following chicken anaemia virus (CAV) infection in an in vivo model **PLoS One**, 10: e0134866.
20. Kennedy TG, [Giotis ES*](#), McKevitt A (2014) Microbial assessment of an upward and downward dehiding technique in a commercial beef processing plant **Journal of Meat Science** 97(4): 486-9.
21. Wheatley P, [Giotis ES*](#), McKevitt A (2014) Effects of slaughtering operations on carcass contamination in an Irish pork production plant. **Irish Veterinary Journal** 67(7): 1.
22. Laidlaw S, Robey R, Davies M, [Giotis ES](#), Ross C, Buttigieg K, Goodbourn S, Skinner MA (2013) Genetic screen of a mutant poxvirus library identifies an ankyrin repeat protein involved in blocking induction of avian type I interferon. **Journal of Virology** 87(9): 5041-5052.
23. Porphyre T, [Giotis ES](#), Lloyd DH, Stärk KDC (2012) A metapopulation model to assess the capacity of spread of meticillin-resistant *Staphylococcus aureus* ST398 in humans **PLoS One** 7 (10); e47504.

24. [Giotis ES](#), Loeffler A, Knight-Jones T, Lloyd DH (2012) Development of a skin colonisation model in gnotobiotic piglets for the study of the microbial ecology of MRSA ST398. **Journal of Applied Microbiology** 113 (4), 992-1000.
25. Carson M, Meredith AL, Shaw DJ, [Giotis ES](#), Lloyd DH, Loeffler A (2012) Foxes as a potential wildlife reservoir for multidrug-resistant staphylococci **Journal of Vector Zoonotic Diseases** 12(7): 583-587.
26. [Giotis ES](#), Loeffler A, Lindsay J, Lloyd DH (2011) Reduced sensitivity of oxacillin-screening agar for the detection of MRSA ST398 from colonised pigs. **Journal of Clinical Microbiology** 49(8): 310.
27. [Giotis ES*](#), Muthayian A, Wilkinson BJ, Blair IS, McDowell DA (2010) Transcriptomic analysis of the Alkaline-Tolerance Response in *L. monocytogenes* 10403S. **Journal of Foodborne Pathogens Diseases** 7(10): 1147-57.
28. [Giotis ES*](#), McDowell DA, Blair IS (2009) Effects of short-term alkaline adaptation on surface properties of *Listeria monocytogenes* 10403S **Open Food Science Journal** 3, 62-65.
29. Singh K, [Giotis ES](#), Chamberlain NR, Stuart MK, Wilkinson BJ (2008) Insertional inactivation of branched-chain keto acid dehydrogenase in *S. aureus* leads to altered membrane fatty acid composition and increased susceptibility to multiple stresses. **Journal of Applied Environmental Microbiology** 74(19): 5882-90.
30. [Giotis ES](#), Muthayian A, Wilkinson BJ, Blair IS, McDowell DA (2008) Genomic and proteomic analysis of the Alkali-Tolerance Response (ATR) in *L. monocytogenes* 10403S **BMC Microbiology** 8:102.
31. [Giotis ES](#), Julotok M, Wilkinson BJ, Blair IS, McDowell DA (2008) Role of sigB factor in the Alkaline Tolerance Response of *L. monocytogenes* 10403S and cross protection to subsequent ethanol and osmotic stress. **Journal of Food Protection** 71(7): 1481-1485.
32. [Giotis ES](#), McDowell DA, Blair IS (2007) Morphological changes of *L. monocytogenes* when subjected in mild alkaline conditions. **International Journal of Food Microbiology** 120(3): 250-8.
33. [Giotis ES](#), McDowell DA, Blair IS, Wilkinson BJ (2007) Role of branched-chain fatty acids in pH stress tolerance in *L. monocytogenes*. **Journal of Applied and Environmental Microbiology** 73: 997-1001.

Conference abstracts (selected 50)

1. [Giotis ES](#), Carnell G, Barclay WS, Skinner MA, Temperton N Assessing the potential host range of bat influenza A-like viruses: an MHC class-II surface receptor mediates H17N10 entry into bat and non-bat cells. Microbiology Society annual conference Belfast, May 2019 (oral).
2. [Giotis ES](#), Laidlaw SM, Bidgood SR, Mercer J and Skinner MA Evasion of host innate immunity by a lateral bodies protein of a highly attenuated Fowlpox virus (FWPV) vaccine strain. Microbiology Society annual conference Birmingham, March 2018 (oral).
3. [Giotis ES](#), Laidlaw SM, Bidgood SR, Ross CS, Goodbourn SEY, Mercer J and Skinner MA Broad-scale approaches for pan-genome analysis of innate immunomodulatory functions encoded by a highly attenuated fowlpox vaccine strain. Avian Immunology Research Group (AIRG) September 2018, Cambridge, UK (oral).
4. [Giotis ES](#), Laidlaw SM, Bidgood SR, Mercer J and Skinner MA Modulation of early host innate immune response by a Fowlpox virus (FWPV) lateral body protein Microbiology Society focused meeting: Avian Viruses, September 2018, Cambridge, UK (oral).
5. [Giotis ES](#), Laidlaw SM, Bidgood SR, Mercer J and Skinner MA Modulation of early host innate immune response by a lateral bodies protein of highly attenuated Fowlpox virus (FWPV) vaccine strain. GARAD meeting Hanoi, January 2017, Hanoi, Vietnam (poster-invited).
6. [Giotis ES](#), Laidlaw SM, Bidgood SR, Mercer J, Skinner MA Fowlpox virus (FWPV) structural protein provides a new paradigm for the evasion of innate immunity by poxviruses. Microbiology Society focused meeting: Molecular Virology and Pathogenesis of Avian Viruses, September 2016, London (oral).
7. Dulwich K, [Giotis ES](#), Skinner MA, Broadbent A Investigating the gene expression profile of chicken primary B-cells infected with Infectious Bursal Disease virus (IBDV). Microbiology Society focused meeting: Molecular Virology and Pathogenesis of Avian Viruses, September 2016, London (poster).

8. [Giotis ES](#), Ross C, Robey RR, Goodbourn S, Skinner MA Suppressor of cytokine signaling 1 (SOCS1) inhibits innate antiviral signaling in chicken. XIVth Avian Immunology Research Group (AIRG) Meeting, September 2016, Ammersee, Germany (oral).
9. Long JS, [Giotis ES](#), Moncorgé O, Frise R, Mistry B, James J, Morisson M, Iqbal M, Vignal A, Skinner MA, Barclay WS Species difference in ANP32A underlies influenza A virus polymerase host restriction. Options IX for the control of Influenza, August 2016, Chicago USA (poster).
10. [Giotis ES](#), Laidlaw SM, Bidgood SR, Mercer J, Skinner MA Fowlpox virus (FWPV) structural protein provides a new paradigm for the evasion of innate immunity by poxviruses. Workshop on emerging and next generation vaccine technologies against veterinary viruses, August 2016, Malaysia (oral).
11. [Giotis ES](#); Robey, RR; Ross, C; Goodbourn, SE; Skinner, MA Transcriptomic analysis of the chicken interferome. Cytokine 2015 conference, October 2015, Banberg Germany (poster).
12. [Giotis ES](#); Robey, RR; Ross, C; Goodbourn, SE; Skinner, MA Immunodulation and proviral action of chicken Suppressor of Cytokine Signaling 1 (SOCS1). Cytokine 2015 conference, October 2015, Banberg Germany (poster).
13. [Giotis ES](#), Robey RC, Ross C, Laidlaw SM, Goodbourn SE and Skinner MA Critical attenuation of antiviral response in DF1 chicken fibroblast cells through intrinsic expression of suppressor of cytokine signaling 1 (SOCS1). SGM meeting, April 2015, Birmingham (oral).
14. Ascough S, Sadeyen JR, [Giotis ES](#), Laidlaw S, Staines K, Mwangi W, Ruiz Hernandez R., Skinner M, Butter C Potentiating the immunogenicity of poxvirus vectors to improve the efficacy of live recombinant viral vaccines in poultry. Immunology congress 2014, London (poster).
15. [Giotis ES](#), Laidlaw SM, Robey RC, Ross C, Bissa M, Skinner MA Dissecting avian transcriptional programmes induced by recombinant poxvirus vaccine vectors. Avian Immunology Research Group (AIRG) July 2014, Guelph Canada (poster).
16. [Giotis ES](#), Skinner MA Understanding the virus-chicken battleground - for better vaccine production and prevention of emerging or pandemic infections. Cheltenham Science Festival, May 2014, London (poster).
17. [Giotis ES](#), Laidlaw SM, Robey R, Bissa M, Skinner MA. Dissecting avian transcriptional programmes induced by recombinant poxvirus vaccine vectors. Avian model systems, March 2014 Cold Springs Harbor, USA (poster).
18. Laidlaw SM, [Giotis ES](#), Ross C, Buttigieg K, Goodbourn SE, Skinner MA. Using virus modulators to probe the avian innate immune response repertoire. Avian model systems, Cold Springs Harbor March 2014 (poster).
19. Skinner MA, Bissa M, [Giotis ES](#), Robey R Transcriptomic analysis of wild-type and mutant avipoxvirus vectors. Vaccine Conference October 2013, Barcelona, Spain (oral).
20. [Giotis ES](#), Robey RC, Cheong IH, Laidlaw SM, Skinner MA Kinetics of permissive host transcription in CEFs infected with recombinant fowlpox vaccine vector FP9. AIRG 2012, August 2012, Edinburgh (oral).
21. Robey R, [Giotis ES](#), Davies M, Laidlaw S, Ross C, Goodbourn S, Skinner MA Transcriptomic analysis of fowlpox virus mutants in chicken cells. Poxvirus Conference, June 2012, Salamanca Spain (poster).
22. Cheong IH, Rebecca R, Laidlaw SM, Davies M, [Giotis ES](#), Skinner MA Transcriptomics of fowlpox virus in primary and immortalised chicken embryo fibroblasts. Poxvirus Conference, June 2012, Salamanca Spain (poster).
23. Porphyre T, [Giotis ES](#), Lloyd DH, Stärk KDC. Modeling effectiveness of control measures against MRSA ST398 in farrow-to-finish pig farms. 13th ISVEE Conference, August 2012, Maastricht, Netherlands (oral).
24. Porphyre T, [Giotis ES](#), Lloyd DH, Stärk KDC. Is meticillin-resistant *Staphylococcus aureus* ST398 able to spread in humans? 13th ISVEE Conference, August 2012, Maastricht, Netherlands (oral).
25. [Giotis ES](#) Development and validation of a technology-testing platform for MRSA decontamination. PILGRIM- CONCORD Joint Symposium November 2011, Brussels, Belgium (oral).

26. [Giotis ES](#), McCarthy A, Loeffler A, Porphyre T, Lindsay J, Lloyd DH. "Interactions of MRSA ST398 and inhibitor producing *S. aureus* strains *in vitro* and *in vivo*. BioMicroWorld Congress September 2011, Torremolinos, Spain (oral).
27. [Giotis ES](#), Loeffler A, Knight-Jones T, Lloyd DH Development of a skin colonisation model in gnotobiotic piglets for the study of the ecology of methicillin-resistant *Staphylococcus aureus* (MRSA) ST398. ASM-ESCMID Congress, September 2011 Washington, USA (poster).
28. [Giotis ES](#), Chrobak D, Loeffler A, Guardabassi L, Lloyd DH, Staerk KDC Defining and developing intervention strategies and control measures against methicillin-resistant *Staphylococcus aureus* (MRSA) ST398 Congress on Antimicrobial Resistance in Animals and the Environment (ARAE), June 2011 Tours, France (poster).
29. Porphyre T, Loeffler A, Lloyd DH, [Giotis ES](#), Broens E, Stärk KDC Modeling the spread of MRSA ST398 to communities: role of persistent carriage and pig exposure Congress on Antimicrobial Resistance in Animals and the Environment (ARAE), June 2011 Tours, France (oral).
30. [Giotis ES](#), Tito D, Bostock J, Zita J, Kluson P, Krysa J, Kold K, Loeffler A, Guardabassi L, Lloyd DH, Staerk KDC Development of pig accommodation suitable for testing the effects of hygiene and disinfection on MRSA carrier pigs Pig Veterinary Society (PVS) Congress, November 2010 Hilton East Midland Airport, England (Oral - invited).
31. [Giotis ES](#), Zita J, Krysa J, Tito D, Bostock J, Loeffler A, Staerk KS, Lloyd DA Identification of self-decontaminating photocatalytic surface agents and ion generated substances effective against MRSA ST398 in a novel custom made chamber. ASM Conference on antimicrobial resistance in zoonotic bacteria & foodborne pathogens in animals, humans and environment. June 2010 Toronto, Canada (oral).
32. [Giotis ES](#), Loeffler A, Lloyd DH Development of a gnotobiotic piglet model for the study of the microbial ecology of MRSA ST398 14th *International Symposium on Staphylococci and Staphylococcal Infections* (ISSSI), September 2010 Bath, UK (poster).
33. Krýsa J, Zita J, Zlámál M, Kluson P, [Giotis ES](#), Loeffler A, Stärk KDC, Lloyd DA Ability of photocatalytic TiO₂ surfaces to destroy MRSA ST398 under controlled UV light conditions. 6th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA6), June 2010, Prague, Czech Republic (poster).
34. [Giotis ES](#), Muthaiyan A, Blair IS, Wilkinson BJ, McDowell DA Aspects of the regulatory mechanisms in the Alkali-Tolerance Response (AITR) in *Listeria monocytogenes*. BioMicroWorld, December 2009, Lisbon, Portugal (oral - Invited).
35. [Giotis ES](#), Voss A, Guardabassi L, Lindsay J, Lloyd DH, Struelens M, Müller J, Stärk KDC The PILGRIM Project: Preventing community and nosocomial spread and infection with MRSA ST398 3rd ARAE June 2009, Tours, France (Poster).
36. [Giotis ES](#), Voss A, Guardabassi L, Lindsay J, Lloyd DH, Struelens M, Müller J, Stärk KDC The PILGRIM Project, September 2009 ASM-ESCMID, September 2009, London, UK (Poster).
37. Singh VK, [Giotis ES](#), Chamberlain NR, Stuart MK, Wilkinson BJ Insertional inactivation of branched-chain keto acid dehydrogenase (BKD) in *Staphylococcus aureus* leads to altered membrane fatty acid composition and increased susceptibility to multiple stresses. International Symposium on *Staphylococci* and *Staphylococcal Infections*, September 2008, Cairns, Australia (Poster).
38. Rothwell L, Hu T, [Giotis ES](#), Glass EJ, Burt DW, Talbot R, Scott ANJ, Todd D, Kaiser P Gene expression analysis of CAV-induced immunosuppression. AIRG June 2008, Brisbane, Australia (Poster).
39. [Giotis ES](#), Burt D, Scott A, Downing A, Talbot R, Rothwell L, Kaiser P, Glass EJ, Todd D Microarray profiling of the chicken anaemia virus (CAV) -induced immunosuppression International Symposium on Animal Genomics for Animal Health October 2007, Paris, France (Poster).
40. [Giotis ES](#), Burt D, Scott A, Downing A, Talbot R, Rothwell L, Kaiser P, Glass EJ, Todd D Transcriptomic analysis of the chicken anaemia virus (CAV)-induced immunosuppression. 8th International Veterinary Immunology Symposium August 2007, Ouro Preto, Brazil (Poster).
41. [Giotis ES](#), Scott A, Burt DW, Kaiser P, Todd D, Glass EJ Global analysis of the effects of attenuated and VP3 mutant isolates of Chicken Anaemia Virus on host gene expression using oligonucleotide arrays -

Combating viral diseases of livestock initiative and combating avian influenza initiative workshop March 2007 Oxford, UK (Poster and oral).

42. [Giotis ES](#), Scott ANJ, Waddington D, Downing A, Talbot R, Burt DW, Kaiser P, Todd D, Glass EJ Profiling host gene expression changes associated with chicken anaemia virus, using *in vitro* and *in vivo* model conditions- 5th European Bioinformatics Workshop, September 2006 Budapest, Hungary (Oral).
43. [Giotis ES](#), Kaiser P, Rothwell L, Todd D, Scott A, Burt D, Glass EJ The mechanisms of virus-induced immunosuppression in poultry – the circovirus Chicken Anaemia Virus as a model system. 6th Ark-Genomics Workshop, September 2006 Cambridge, UK (Poster and oral).
44. Scott ANJ, [Giotis ES](#), Kaiser P, Burt DW, Glass EJ, Todd D Molecular interaction of chicken anaemia virus with the host investigated by microarray analysis. 7th International Congress of Veterinary Virology September 2006, Lisbon Portugal (Poster).
45. [Giotis ES](#), Muthayian A, McDowell DA, Blair IS, Wilkinson BJ Gene expression changes in response to alkali stress in *Listeria monocytogenes* 10403S American Society for Microbiology-General Meeting May 2006, Orlando, Florida USA (Poster).
46. [Giotis ES](#), Muthayian A, McDowell DA, Blair IS, Wilkinson BJ Transcriptomic analysis of the Alkaline-Tolerance Response (AITR) in *Listeria monocytogenes* 10403S European Congress on Clinical Microbiology and Infectious Diseases April 2006, Nice, France (Poster).
47. [Giotis ES](#), McDowell DA, Blair IS Changes of *Listeria monocytogenes* surface proteins during exposure to a range of alkaline pH values. Irish Branch of Society of General Microbiology -Molecular Diagnostics in Medical Microbiology September 2005, Coleraine, Northern Ireland (2nd poster award).
48. [Giotis ES](#), McDowell DA, Blair IS Contribution of protein synthesis to Alkaline-Tolerance Response (AITR) of *Listeria monocytogenes* using two-dimensional gel electrophoresis. SGM: Applications of Molecular Microbiology, April 2005, Cork, Ireland (Oral presentation).
49. [Giotis ES](#), McDowell DA, Blair IS Morphological changes of *Listeria monocytogenes* when subjected in mild alkaline conditions. European Society of Clinical Microbiology and Infectious Diseases-Congress March 2005, Copenhagen, Denmark (Poster).
50. [Giotis ES](#), McDowell DA, Blair IS Alkaline Stress Response in *Listeria monocytogenes*: Role of σ^B , Protein synthesis and morphological alteration. Royal Society of Chemistry meeting July 2004, Reading, UK (Oral).

Other publications:

1. [Giotis ES](#), Tito D, Bostock J, Zita J, Kluson P, Krysa J, Yigit F, Kold K, Loeffler A, Guardabassi L, Lloyd DH, Staerk K (2011) Development of pig accommodation suitable for testing the effects of hygiene and disinfection on MRSA carrier pigs *PVS J* 65: 34-41.
2. Mini Review: 'Filamentation in the major foodborne pathogens' published at the Microbiologist, September 2005.
3. John F. T. Spencer, Alicia L. Ragout De Spencer entitled 'Public Health Microbiology-Methods and Protocols' Book Review published at the Microbiologist, June 2005.
4. Stephen Hunt & Frederick Livesey entitled 'Functional Genomics-A practical approach' Book Review published at the Microbiologist, December 2004.
5. Katakaki P.K. & Babu S.C. entitled 'Food systems for Improved Human Nutrition' Book Review published at the Journal of Human Nutrition and Dietetics, October 2003 (16 pp. 373-374).

Training and workshops (selected)

- ❖ High-throughput computing seminars, October 2019, Research Computing Service, ICL.
- ❖ Workshop on RNA-seq library making and analyses, September 2019, ICL and NEB London.
- ❖ FACS analysis workshop and downstream analyses, November 2018 DIVA & FlowJo ICL.
- ❖ 2-day workshop on measurement and analysis of mRNAs, long non-coding RNAs and microRNAs using RNASeq provided by Mark Lindsay March 2014 London.

- ❖ Workshop on epidemiological markers at the 15th ECCMID Copenhagen, Denmark.
- ❖ Conference 'Bacteria in Food and Health', March 2005, Dublin, Ireland.
- ❖ Workshop on Entrepreneurship organised by UU, May 2004, Letterkenny, Ireland.
- ❖ Proteomics Science and Technology Conference, February 2004, Kings College, London.
- ❖ Conference 'Business in Biotechnology', November 2002, Belfast, Northern Ireland.
- ❖ 6th Annual Hellenic Congress of Veterinary Surgeons of small animals in Athens; 16-18/3/2001.
- ❖ 8th Annual Congress of Veterinary Medicine, 25-28 November 1999, Athens, Greece.
- ❖ Seminar entitled: 'Injected Anaesthesia', December 1998, Pilio, Greece.
- ❖ Seminar organised by IVSA, May 1999, Thessaloniki, Greece.
- ❖ 5th Annual Hellenic Congress of Veterinary Surgeons, March 1998, Athens, Greece.
- ❖ First animal Welfare Seminar, May 1997, Thessaloniki Greece.