

Dr Efstathios (Stathis) Giotis

Curriculum Vitae

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Academic positions and education

- **2020-Present:** Lecturer in molecular virology, University of Essex (UoE), School of Life Sciences.
- **2020-Present:** Honorary Senior Research fellow, Imperial College London, School of Medicine.
- **2012-2020:** Research fellow in virology/transcriptomics, Imperial College London (ICL), School of Medicine.
- **2009-2012:** Research fellow in molecular microbiology, Royal Veterinary College (RVC) London & School of Veterinary Medicine, University of Copenhagen, Denmark (EU-FP7).
- **2006-2007:** Postdoctoral associate in immunogenetics, Roslin Institute, Edinburgh.
- **2005-2006:** Research assistant in molecular microbiology, Illinois State University, USA.
- **2002-2006:** PhD in molecular microbiology Ulster University (UU) and Illinois State University (ISU).
- **2001-2002:** MSc in biotechnology, Ulster University and University of Patras, Greece.
- **1995-2001:** Doctor of Veterinary Medicine (DVM), Aristotle University of Thessaloniki, Greece.

Current and previous funding (Total: £1,287,108)

- **2024:** MRC New Investigator Research Grant (£999,782; *Starting provisionally on 1/1/2025*) “Decoding the mild pathobiology of common cold coronaviruses to identify targets of pan-coronavirus antiviral strategies”. Collaboration with Prof. S. Janes (UCLH) & UKHSA.
- **2022:** Health Research and Support Fund, University of Essex (£6,800) “Manipulation of intracellular signalling and cell bioenergetics by SARS-CoV-2 variants”. Collaboration with C. Rallis (now at QMUL).
- **2022:** Rapid and Agile Fund scheme, University of Essex (£46,960) “Development of therapeutics for COVID-19 variants”.
- **2022:** Petroleum Technology Development Fund (PTDF/20PHD165; £58,800) Three-year PhD studentship in virology: “Comparative innate immune responses in seasonal coronaviruses”.
- **2021:** Global Challenges Research Fund (£35,700) “A metagenomic approach to identify alternative reservoir hosts of Lassa virus and related arenaviruses in Nigeria”. Collaboration with NIBSC and University of Abuja.
- **2021:** Industrial grant from Elentec Ltd (£4,727) “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-sequencing”. Collaboration with University of Kanazawa.
- **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 versus 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.
- **2006:** Excellence award (£5,000) from A. Daskalopoulos Institute, Athens.
- **2005:** Excellence training grant (£25,000) from ESCMID.

Evidence of esteem:

- **2024:** Invited seminars at the Anglia-Ruskin University and University of East London.
- **2024:** European Treasurer elected for the World Society for Virology.
- **2023:** Member of the UKRI/BBSRC pool of experts.
- **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.
- **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.
- **2010-Present:** Reviewed research grants applications for: DHSC/UKRI Global Effort on COVID-19 (GECO), Health Research competition 2020-College of Experts, BBSRC, MRC and more than 50 papers for Frontiers, Nature journals etc.

Teaching and Supervision

- **2021:** Fellow of the Higher Education Academy (FHEA).
- **2020-present:** Lectures for UoE modules: Immunity and Disease, Principles of Molecular Virology, Medical Microbiology.
- **2022-present:** (Co-)-Supervisor of 3 PhD students (ongoing):
 - **Tukur Abdullahi (Essex):** Comparative innate immune responses of seasonal coronaviruses.
 - **Riaz Somji (Essex)** Interference of mTor pathway by NL63 virus-co-supervised with Dr Rallis (QMUL).
 - **Alanna Gallagher (ICL)** Comparative virological analysis of S. American Vs Pacific Zika viruses.
- **2020-present:** Supervisor of four MRes students at UoE.
- **2020-present:** Project supervisor for MSc students at the UoE MSc in Biotechnology and Molecular Medicine (4 yearly on average) and ICL MSc in Virology (1 yearly).
- **2016-present:** Lecturer/assessor for the MScs in virology, immunology and genomic medicine (ICL).
- **2012-present:** (Co-)supervisor of (completed projects): 3 PhD (ICL, RVC), 15 MSc (MSc Molecular Biology & Pathology of viruses, ICL (9); Molecular Biotechnology, UoE (3), MRes, UoE (2)), 12 visiting & 21 undergraduate students (ICL, UoE).
- **2009-present:** E-lecturer/examiner for the Univ. London MSc/PG in Veterinary Public Health (VPH).
- **2008-present:** E-Lecturer for MSc and PGD in VPH and Risk analysis by UU and UoDublin (-30-40 students per year).
- **2009-2012:** Lectures/tutorials for VetSci/VetMed (RVC).
- **2002-present:** Laboratory demonstrations in microbiology/virology & immunology (UU, UoE, ICL).

Outreach and Engagement

- **2023- present:** Initiated a campaign to ban bat hunting in Central Nigeria with the University of Mankurdi.
- **2020-present:** Contributed to articles and public discussions for BBC, SkyNews, BBC Radio Essex & London, CNN, Reuters, Daily Telegraph, Politico and Straits Times on the coronavirus pandemic, monkeypox and Alaskapox viruses.
- **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 production.
- **2020:** Participated in virtual public discussions on Pandemic, Environment, Agrifood: Social and Political Challenges organised by the Kapodistrian University of Athens.
- **2020:** Participated in an artistic virtual project (The Great Disorder) on the pandemic by Statement Art.
- **2019/2020:** Member of the CREST academy: scientific mentoring and support to help students aged 16–18.
- **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 ST398.
- **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 > 60 scientific meetings (oral/poster format).
- **2018-Present:** Member: Microbiology Society, World Society for Virology, ESCMID and Greek association of Veterinarians.

Collaborators:

- ICL: Profs. Wendy Barclay (Influenza viruses), Ten Feizi/Liu Yan (Glycosciences), Charlotte Bevan (antiandrogens).
- Pseudotypes, coronaviruses and bat-borne viruses: Prof. Nigel Temperton (UoKent) and Linfa Wang (Singapore).
- Avian viruses/Innate immunity: Brian Ferguson (UoCambridge) A. Broadbent (UoMaryland), Dalan Bailey (Pirbright) and Helena Maier (Pirbright).
- mTOR pathway: Babis Rallis (QMUL)
- Schedule 5 viruses: Marian Killip (Head of High Containment Microbiology at UKHSA).
- Bioinformatics, mathematical modelling and Machine Learning: Ada Yan (ICL)

Publication summary and list of publications:

I (co-) authored 37 peer-reviewed journal articles (20 as lead author, 14* as corresponding author); [Google scholar citations (July 2024): 1580; *h*-index: 20, *i*-index: 26]

Preprint and in-preparation publications:

- Differential amino acid reprogramming in SARS-CoV-2 variants: A comparative study. Giotis ES and Chralambos Rallis (QMUL) labs collaboration. ***In preparation***.
- The bat influenza H17N10 can be neutralized by broadly-neutralizing monoclonal...Carnell C, Giotis ES*, *et al* bioRxiv 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 2024) for the CAV collection. ***In preparation***.
- Targeting DNA-PK is a highly conserved poxvirus immune evasion mechanism Oliveira M,...,Efstathios S. Giotis, Amanda K. Chaplin, Rodrigo Guibiraba, Clare E. Bryant, Brian J. Ferguson. ***In preparation***
- Genome-wide analysis of chicken transcriptome and proteome perturbations following innate immune stimulations using RNA-Seq and SILAC-based quantitative proteomics Frederic Sorgeloos and Giotis ES ***In preparation***.

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. Ogunjinmi O, Abdullahi T, Bevan CL, Barclay W, Temperton N, Brooke GN, Giotis ES* (2024) Antiviral potential of enzalutamide and the viral-androgen signaling interplay in seasonal coronaviruses. ***Journal of Medical Virology*** 96, e29540.
2. Cantoni D, Mayora-Neto M, Derveni M, da Costa K, Del Rosario J, Ameh VO, Sabeta CT, Auld B, Hamlet A, Jones IM, Wright E, Scott SD, Giotis ES*, Banyard AC, Temperton N. (2023) Serological evidence of virus infection in *Eidolon helvum* fruit bats: implications for bushmeat consumption in Nigeria. ***Frontiers in Public Health***. 2023 27; 1283113.
3. Giotis ES*, Cil, E, Brooke GN (2022). Use of antiandrogens as therapeutic agents in COVID-19 patients ***Viruses*** 14, 2728.
4. Zhang Z, Penn R, Barclay WS, Giotis ES* (2022). Naïve human macrophages are refractory to SARS-CoV-2 infection and exhibit a modest inflammatory response in early infection. ***Viruses*** 14, 441.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. Giotis ES* (2020) Inferring the urban transmission of bat influenza viruses ***Frontiers in Cellular Infection Microbiology*** 10, 264.
12. 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.

13. 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.
14. 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).
15. Giotis ES*, Skinner MA (2019) Spotlight on avian pathology: fowlpox virus. **Avian Pathology** 2019; 48(2):87-90.
16. Mariatulqabiah AR, Majid NN, Giotis ES *et al* (2019) Inoculation of fowlpox... **Asia-Pacific Journal of Molecular Biology and Biotechnology** 27, 84-94.
17. 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.
18. 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.
19. 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
20. 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.
21. 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.
22. 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) **Veterinary Research**, 47 (1), 75.
23. 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.
24. Kennedy TG, Giotis ES*, McKeivitt 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.
25. Wheatley P, Giotis ES*, McKeivitt A (2014) Effects of slaughtering operations on carcass contamination in an Irish pork production plant. **Irish Veterinary Journal** 67(7): 1.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. Giotis ES, Muthayian A, Wilkinson BJ, Blair IS, McDowell DA (2008) Genomic and proteomic analysis of the Alkali-Tolerance Response (AITR) in *L. monocytogenes* 10403S **BMC Microbiology** 8:102.
35. 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.
36. 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.
37. 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)

1. Abdullahi TB, Fernández N, Giotis ES Innate immunity, seasonal coronaviruses and SARS-CoV-2. Immunopharmacology convention 12-16 June 2023 (oral)
2. Dorothee R, Brown J, Giotis ES, Sukhova K, Zhou J, Peacock T, Zambon M, Thompson C, Barclay W Mechanisms and consequences of co-infections with SARS-CoV-2 and influenza virus 9th ESWI Influenza Conference Valencia September 2023 (oral).
3. Giotis ES, Carnell G, Cantoni D, Barclay WS, Skinner MA, Temperton N Assessing the zoonotic potential host range of bat influenza A-like viruses World Society for Virology, Latvia, June 2023 (oral).
4. Abdullahi TA, Fernandez N and Giotis ES Differential responses of innate immunity triggered by seasonal coronaviruses NL63 and 229E Microbiology Society annual conference, Birmingham April 2023 (poster).
5. Somji R, Rallis Cand Giotis ES mTOR dysregulation in human nasal epithelial cells infected by the seasonal coronavirus NL63 Microbiology Society annual conference, Birmingham April 2023 (poster).
6. Oluwadamilola OD, Temperton N, Brooke G, Giotis ES Effect of antiandrogens on the tropism of seasonal human coronaviruses, Microbiology Society annual conference, Belfast April 2022 (poster).
7. Giotis ES, Laidlaw SM, Bidgood SR, Mercer J and Skinner MA Broad-scale approaches for pan-genome analysis of innate immunomodulatory functions encoded by a highly attenuated fowlpox vaccine strain GARAD meeting, China May 2020 (oral; cancelled).
8. 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).
9. 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).
10. 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).
11. 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).
12. 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).
13. 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).
14. 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).
15. 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).
16. 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).
17. 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).
18. Giotis ES; Robey, RR; Ross, C; Goodbourn, SE; Skinner, MA Transcriptomic analysis of the chicken interferome. Cytokine 2015 conference, October 2015, Banberg Germany (poster).
19. Giotis ES; Robey, RR; Ross, C; Goodbourn, SE; Skinner, MA Immunomodulation and proviral action of chicken Suppressor of Cytokine Signaling 1 (SOCS1). Cytokine 2015 conference, October 2015, Banberg Germany (poster).
20. 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).
21. 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).

22. [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).
23. [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).
24. [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).
25. 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).
26. Skinner MA, Bissa M, [Giotis ES](#), Robey R Transcriptomic analysis of wild-type and mutant avipoxvirus vectors. Vaccine Conference October 2013, Barcelona, Spain (oral).
27. [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).
28. 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).
29. 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).
30. 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).
31. Porphyre T, [Giotis ES](#), Lloyd DH, Stärk KDC. Is methicillin-resistant *Staphylococcus aureus* ST398 able to spread in humans? 13th ISVEE Conference, August 2012, Maastricht, Netherlands (oral).
32. [Giotis ES](#) Development and validation of a technology-testing platform for MRSA decontamination. PILGRIM-CONCORD Joint Symposium November 2011, Brussels, Belgium (oral).
33. [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).
34. [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).
35. [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).
36. 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).
37. [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).
38. [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).
39. [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).
40. Krysa 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).
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2. Mini Review: 'Filamentation in the major foodborne pathogens' published at **The Microbiologist**, September 2005.
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