

# Kieran G Meade

## List of Publications by Year in descending order

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82  
papers

2,716  
citations

172457

29  
h-index

197818

49  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical and molecular characterization of sialylated cervical mucins in sheep. <i>Biology of Reproduction</i> , 2022, 107, 419-431.	2.7	6
2	Ewe breed differences in the cervical transcriptome at the follicular phase of a synchronised oestrous cycle. <i>BMC Genomics</i> , 2022, 23, 363.	2.8	4
3	Effect of IL-8 haplotype on temporal profile in circulating concentrations of interleukin 8 and 25(OH) vitamin D in Holstein-Friesian calves. <i>Veterinary Immunology and Immunopathology</i> , 2021, 238, 110287.	1.2	4
4	Effect of IL8 haplotype on immunological traits in periparturient dairy cows. <i>Veterinary Immunology and Immunopathology</i> , 2021, 238, 110288.	1.2	2
5	The immune response in bovine primary dermal fibroblasts is influenced by Interleukin 8 promoter haplotype and vitamin D. <i>Veterinary Immunology and Immunopathology</i> , 2021, 238, 110291.	1.2	3
6	Bovine innate immune phenotyping via a standardized whole blood stimulation assay. <i>Scientific Reports</i> , 2021, 11, 17227.	3.3	5
7	Johne's Disease in Dairy Cattle: An Immunogenetic Perspective. <i>Frontiers in Veterinary Science</i> , 2021, 8, 718987.	2.2	13
8	Low serum vitamin D concentrations in Spring-born dairy calves are associated with elevated peripheral leukocytes. <i>Scientific Reports</i> , 2021, 11, 18969.	3.3	8
9	Conserved and breed-specific differences in the cervical transcriptome of sheep with divergent fertility at the follicular phase of a natural oestrus cycle. <i>BMC Genomics</i> , 2021, 22, 752.	2.8	8
10	Purulent vaginal discharge diagnosed in pasture-based Holstein-Friesian cows at 21 days postpartum is influenced by previous lactation milk yield and results in diminished fertility. <i>Journal of Dairy Science</i> , 2020, 103, 666-675.	3.4	8
11	Functional analysis of bovine interleukin-10 receptor alpha in response to <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> lysate using CRISPR/Cas9. <i>BMC Genetics</i> , 2020, 21, 121.	2.7	11
12	Qualitative and quantitative differences in endometrial inflammatory gene expression precede the development of bovine uterine disease. <i>Scientific Reports</i> , 2020, 10, 18275.	3.3	10
13	Association of genetic polymorphisms related to Johne's disease with estimated breeding values of Holstein sires for milk ELISA test scores. <i>BMC Veterinary Research</i> , 2020, 16, 165.	1.9	2
14	Integrated analyses of the microbiological, immunological and ontological transitions in the calf ileum during early life. <i>Scientific Reports</i> , 2020, 10, 21264.	3.3	6
15	Improved filtration method to isolate pure populations of primary bovine endometrial epithelial and stromal cells for immunological studies. <i>Veterinary Research Communications</i> , 2020, 44, 29-39.	1.6	10
16	Application of the TruCulture® whole blood stimulation system for immune response profiling in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2020, 221, 110025.	1.2	5
17	1,25(OH)D vitamin D promotes NOS2 expression in response to bacterial and viral PAMPs in primary bovine salivary gland fibroblasts. <i>Veterinary Research Communications</i> , 2020, 44, 83-88.	1.6	6
18	Characterization of circulating plasma proteins in dairy cows with cytological endometritis. <i>Journal of Proteomics</i> , 2019, 205, 103421.	2.4	12

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19	Characterization of the bovine salivary gland transcriptome associated with Mycobacterium avium subsp. paratuberculosis experimental challenge. BMC Genomics, 2019, 20, 491.	2.8	9
20	Non-canonical Inflammasome-Mediated IL-1 $\beta$ Production by Primary Endometrial Epithelial and Stromal Fibroblast Cells Is NLRP3 and Caspase-4 Dependent. Frontiers in Immunology, 2019, 10, 102.	4.8	37
21	Improved detection of biomarkers in cervico-vaginal mucus (CVM) from postpartum cattle. BMC Veterinary Research, 2018, 14, 297.	1.9	10
22	The genetic architecture of milk ELISA scores as an indicator of Johne's disease (paratuberculosis) in dairy cattle. Journal of Dairy Science, 2018, 101, 10062-10075.	3.4	22
23	Cervico-vaginal mucus (CVM) – an accessible source of immunologically informative biomolecules. Veterinary Research Communications, 2018, 42, 255-263.	1.6	33
24	Recombinant $\beta$ -defensin 126 promotes bull sperm binding to bovine oviductal epithelia. Reproduction, Fertility and Development, 2018, 30, 1472.	0.4	21
25	Short communication: Uncovering quantitative trait loci associated with resistance to Mycobacterium avium ssp. paratuberculosis infection in Holstein cattle using a high-density single nucleotide polymorphism panel. Journal of Dairy Science, 2018, 101, 7280-7286.	3.4	27
26	$\beta$ -Defensins: Farming the Microbiome for Homeostasis and Health. Frontiers in Immunology, 2018, 9, 3072.	4.8	111
27	Interleukin 8 haplotypes drive divergent responses in uterine endometrial cells and are associated with somatic cell score in Holstein-Friesian cattle. Veterinary Immunology and Immunopathology, 2017, 184, 18-28.	1.2	8
28	A dual targeted $\beta$ -defensin and exome sequencing approach to identify, validate and functionally characterise genes associated with bull fertility. Scientific Reports, 2017, 7, 12287.	3.3	19
29	Genomic identification, expression profiling, and functional characterization of CatSper channels in the bovine. Biology of Reproduction, 2017, 97, 302-312.	2.7	20
30	Profiling inflammatory biomarkers in cervico-vaginal mucus (CVM) postpartum: Potential early indicators of bovine clinical endometritis?. Theriogenology, 2017, 103, 117-122.	2.1	30
31	Comparative genomic identification and validation of $\beta$ -defensin genes in the Ovis aries genome. BMC Genomics, 2017, 18, 278.	2.8	14
32	Alum Activates the Bovine NLRP3 Inflammasome. Frontiers in Immunology, 2017, 8, 1494.	4.8	27
33	Cauda Epididymis-Specific Beta-Defensin 126 Promotes Sperm Motility but Not Fertilizing Ability in Cattle. Biology of Reproduction, 2016, 95, 122-122.	2.7	44
34	Sperm-Coating Beta-Defensin 126 Is a Dissociation-Resistant Dimer Produced by Epididymal Epithelium in the Bovine Reproductive Tract. Biology of Reproduction, 2016, 95, 121-121.	2.7	22
35	Comparative genomic identification and expression profiling of a novel $\beta$ -defensin gene cluster in the equine reproductive tract. Reproduction, Fertility and Development, 2016, 28, 1499.	0.4	10
36	The CD4+ T cell methylome contributes to a distinct CD4+ T cell transcriptional signature in Mycobacterium bovis-infected cattle. Scientific Reports, 2016, 6, 31014.	3.3	28

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37	In vivo relevance of polymorphic Interleukin 8 promoter haplotype for the systemic immune response to LPS in Holstein-Friesian calves. <i>Veterinary Immunology and Immunopathology</i> , 2016, 182, 1-10.	1.2	11
38	Prepartum concentrate supplementation of a diet based on medium-quality grass silage: Effects on performance, health, fertility, metabolic function, and immune function of low body condition score cows. <i>Journal of Dairy Science</i> , 2016, 99, 7102-7122.	3.4	13
39	3 ROLE OF Î²-DEFENSIN 126 IN PROMOTING SPERM MOTILITY IN CATTLE. <i>Reproduction, Fertility and Development</i> , 2016, 28, 131.	0.4	0
40	Integrated analysis of the local and systemic changes preceding the development of post-partum cytological endometritis. <i>BMC Genomics</i> , 2015, 16, 811.	2.8	33
41	Analysis of the Bovine Monocyte-Derived Macrophage Response to Mycobacterium avium Subspecies Paratuberculosis Infection Using RNA-seq. <i>Frontiers in Immunology</i> , 2015, 6, 23.	4.8	61
42	Advances in Bovine Immunology – New Tools and New Insights to Tackle Old Foes. <i>Frontiers in Immunology</i> , 2015, 6, 71.	4.8	2
43	RNA-seq Transcriptional Profiling of Peripheral Blood Leukocytes from Cattle Infected with Mycobacterium bovis. <i>Frontiers in Immunology</i> , 2014, 5, 396.	4.8	65
44	Bovine Î²-defensin gene family: opportunities to improve animal health?. <i>Physiological Genomics</i> , 2014, 46, 17-28.	2.3	81
45	A novel subclass of bovine Î²-defensins links reproduction and immunology. <i>Reproduction, Fertility and Development</i> , 2014, 26, 769.	0.4	21
46	Characterisation and expression profile of the bovine cathelicidin gene repertoire in mammary tissue. <i>BMC Genomics</i> , 2014, 15, 128.	2.8	33
47	Comparative epigenetics: relevance to the regulation of production and health traits in cattle. <i>Animal Genetics</i> , 2014, 45, 3-14.	1.7	17
48	Endometrial epithelial cells are potent producers of tracheal antimicrobial peptide and serum amyloid A3 gene expression in response to E. coli stimulation. <i>Veterinary Immunology and Immunopathology</i> , 2013, 151, 157-162.	1.2	50
49	Epigenetic regulation of the innate immune response to LPS in bovine peripheral blood mononuclear cells (PBMC). <i>Veterinary Immunology and Immunopathology</i> , 2013, 154, 102-110.	1.2	32
50	Genome-Wide Association Analysis of Avian Resistance to <i>Campylobacter jejuni</i> Colonization Identifies Risk Locus Spanning the <i>CDH13</i> Gene. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 881-890.	1.8	20
51	Global endometrial transcriptomic profiling: transient immune activation precedes tissue proliferation and repair in healthy beef cows. <i>BMC Genomics</i> , 2012, 13, 489.	2.8	26
52	The postpartum endometrial inflammatory response: a normal physiological event with potential implications for bovine fertility. <i>Reproduction, Fertility and Development</i> , 2012, 24, 1028.	0.4	62
53	Avian Resistance to <i>Campylobacter jejuni</i> Colonization Is Associated with an Intestinal Immunogene Expression Signature Identified by mRNA Sequencing. <i>PLoS ONE</i> , 2012, 7, e40409.	2.5	46
54	Functional characterisation of bovine interleukin 8 promoter haplotypes in vitro. <i>Molecular Immunology</i> , 2012, 50, 108-116.	2.2	15

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55	Single Nucleotide Polymorphisms in the Insulin-Like Growth Factor 1 (IGF-1) Gene are Associated with Performance in Holstein-Friesian Dairy Cattle. <i>Frontiers in Genetics</i> , 2011, 2, 3.	2.3	50
56	Experimental <i>Staphylococcus aureus</i> infection of the mammary gland induces region-specific changes in innate immune gene expression. <i>Veterinary Immunology and Immunopathology</i> , 2011, 140, 181-189.	1.2	87
57	Global gene expression analysis of chicken caecal response to <i>Campylobacter jejuni</i> . <i>Veterinary Immunology and Immunopathology</i> , 2011, 142, 64-71.	1.2	18
58	Tuberculosis Immunity: Opportunities from Studies with Cattle. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-11.	3.3	104
59	Technical note: Comparative analyses of the quality and yield of genomic DNA from invasive and noninvasive, automated and manual extraction methods. <i>Journal of Dairy Science</i> , 2011, 94, 3159-3165.	3.4	21
60	Genome-wide transcriptional profiling of peripheral blood leukocytes from cattle infected with <i>Mycobacterium bovis</i> reveals suppression of host immune genes. <i>BMC Genomics</i> , 2011, 12, 611.	2.8	40
61	The role of oct-1 in the regulation of tracheal antimicrobial peptide (TAP) and lingual antimicrobial peptide (LAP) expression in bovine mammary epithelial cells. <i>Immunogenetics</i> , 2011, 63, 715-725.	2.4	10
62	Reproductive tissue-specific expression profiling and genetic variation across a 19 gene bovine $\beta$ -defensin cluster. <i>Immunogenetics</i> , 2011, 63, 641-651.	2.4	33
63	Endometrial biopsy: a valuable clinical and research tool in bovine reproduction. <i>Theriogenology</i> , 2010, 73, 988-994.	2.1	57
64	Comparative in vivo infection models yield insights on early host immune response to <i>Campylobacter</i> in chickens. <i>Immunogenetics</i> , 2009, 61, 101-110.	2.4	92
65	Differential antimicrobial peptide gene expression patterns during early chicken embryological development. <i>Developmental and Comparative Immunology</i> , 2009, 33, 516-524.	2.3	64
66	Histopathological and molecular evaluation of Holstein-Friesian cows postpartum: Toward an improved understanding of uterine innate immunity. <i>Theriogenology</i> , 2009, 71, 1396-1407.	2.1	132
67	Innate immune gene expression differentiates the early avian intestinal response between <i>Salmonella</i> and <i>Campylobacter</i> . <i>Veterinary Immunology and Immunopathology</i> , 2009, 132, 191-198.	1.2	71
68	Divergent antimicrobial peptide (AMP) and acute phase protein (APP) responses to <i>Trypanosoma congolense</i> infection in trypanotolerant and trypanosusceptible cattle. <i>Molecular Immunology</i> , 2009, 47, 196-204.	2.2	11
69	Transcriptional profiling of cattle infected with <i>Trypanosoma congolense</i> highlights gene expression signatures underlying trypanotolerance and trypanosusceptibility. <i>BMC Genomics</i> , 2009, 10, 207.	2.8	41
70	Evolution, expression and effectiveness in a cluster of novel bovine $\beta$ -defensins. <i>Immunogenetics</i> , 2008, 60, 147-156.	2.4	73
71	Transmission ratio distortion at the growth hormone gene ( <i>GH1</i> ) in bovine preimplantation embryos: An in vitro culture-induced phenomenon?. <i>Molecular Reproduction and Development</i> , 2008, 75, 715-722.	2.0	7
72	Toll-like receptor and antimicrobial peptide expression in the bovine endometrium. <i>Reproductive Biology and Endocrinology</i> , 2008, 6, 53.	3.3	167

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73	Directed alteration of a novel bovine $\beta$ -defensin to improve antimicrobial efficacy against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>International Journal of Antimicrobial Agents</i> , 2008, 32, 392-397.	2.5	10
74	Antigen stimulation of peripheral blood mononuclear cells from <i>Mycobacterium bovis</i> infected cattle yields evidence for a novel gene expression program. <i>BMC Genomics</i> , 2008, 9, 447.	2.8	20
75	Tumour necrosis factor- $\alpha$ (TNF- $\alpha$ ) increases nuclear factor $\kappa$ B (NF $\kappa$ B) activity in and interleukin-8 (IL-8) release from bovine mammary epithelial cells. <i>Veterinary Immunology and Immunopathology</i> , 2007, 116, 59-68.	1.2	77
76	Innate gene repression associated with <i>Mycobacterium bovis</i> infection in cattle: toward a gene signature of disease. <i>BMC Genomics</i> , 2007, 8, 400.	2.8	65
77	Gene expression profiling of peripheral blood mononuclear cells (PBMC) from <i>Mycobacterium bovis</i> infected cattle after in vitro antigenic stimulation with purified protein derivative of tuberculin (PPD). <i>Veterinary Immunology and Immunopathology</i> , 2006, 113, 73-89.	1.2	30
78	Cytokine mRNA profiling of peripheral blood mononuclear cells from trypanotolerant and trypanosusceptible cattle infected with <i>Trypanosoma congolense</i> . <i>Physiological Genomics</i> , 2006, 28, 53-61.	2.3	49
79	Induction of a Novel Chicken Toll-Like Receptor following <i>Salmonella enterica</i> Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2006, 74, 1692-1698.	2.2	173
80	Convenient detection of single nucleotide polymorphism haplotypes in the bovine growth hormone gene using amplification-created restriction sites. <i>Animal Genetics</i> , 2005, 36, 175-177.	1.7	0
81	Cervical immune activation during the luteal phase may compromise subsequent trans-cervical ram sperm transport. <i>Biology of Reproduction</i> , 0, , .	2.7	0
82	A preliminary analysis of the variation in circulating 25-hydroxycholecalciferol concentrations in peri-partum spring-calving dairy cows. <i>Veterinary Research Communications</i> , 0, , .	1.6	1