

Alison Forhead

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111
papers

4,243
citations

34
h-index

62
g-index

113
ext. papers

4,591
ext. citations

3.6
avg, IF

5.55
L-index

#	Paper	IF	Citations
111	Endocrine mechanisms of intrauterine programming. <i>Reproduction</i> , 2004 , 127, 515-26	3.8	346
110	Glucocorticoids and the preparation for life after birth: are there long-term consequences of the life insurance?. <i>Proceedings of the Nutrition Society</i> , 1998 , 57, 113-22	2.9	340
109	Intrauterine programming of physiological systems: causes and consequences. <i>Physiology</i> , 2006 , 21, 29-37.8	3.8	311
108	Thyroid hormones in fetal growth and prepartum maturation. <i>Journal of Endocrinology</i> , 2014 , 221, R87-R103	4.9	232
107	Programming placental nutrient transport capacity. <i>Journal of Physiology</i> , 2006 , 572, 5-15	3.9	217
106	The placenta and intrauterine programming. <i>Journal of Neuroendocrinology</i> , 2008 , 20, 439-50	3.8	194
105	Endocrine and metabolic programming during intrauterine development. <i>Early Human Development</i> , 2005 , 81, 723-34	2.2	149
104	Effect of maternal iron restriction during pregnancy on renal morphology in the adult rat offspring. <i>British Journal of Nutrition</i> , 2003 , 90, 33-9	3.6	115
103	The effects of cortisol on the growth rate of the sheep fetus during late gestation. <i>Journal of Endocrinology</i> , 1996 , 151, 97-105	4.7	110
102	Endocrine regulation of feto-placental growth. <i>Hormone Research</i> , 2009 , 72, 257-65	3.8	106
101	Hormones as epigenetic signals in developmental programming. <i>Experimental Physiology</i> , 2009 , 94, 607-25.4	3.8	92
100	The hungry fetus? Role of leptin as a nutritional signal before birth. <i>Journal of Physiology</i> , 2009 , 587, 1145-52	3.9	81
99	Glucocorticoids as regulatory signals during intrauterine development. <i>Experimental Physiology</i> , 2015 , 100, 1477-87	2.4	66
98	Long-term programming of blood pressure by maternal dietary iron restriction in the rat. <i>British Journal of Nutrition</i> , 2002 , 88, 283-90	3.6	66
97	Influence of cortisol on adipose tissue development in the fetal sheep during late gestation. <i>Journal of Endocrinology</i> , 2003 , 176, 23-30	4.7	59
96	Developmental control of the Nlrp6 inflammasome and a substrate, IL-18, in mammalian intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G253-63	5.1	58
95	Developmental control of iodothyronine deiodinases by cortisol in the ovine fetus and placenta near term. <i>Endocrinology</i> , 2006 , 147, 5988-94	4.8	58

94	Regulation of 11 beta-hydroxysteroid dehydrogenase type 2 activity in ovine placenta by fetal cortisol. <i>Journal of Endocrinology</i> , 2002 , 172, 527-34	4.7	57
93	Review: Endocrine regulation of placental phenotype. <i>Placenta</i> , 2015 , 36 Suppl 1, S50-9	3.4	55
92	The effects of birth weight on basal cardiovascular function in pigs at 3 months of age. <i>Journal of Physiology</i> , 2002 , 539, 969-78	3.9	52
91	Hormonal and nutritional drivers of intrauterine growth. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 298-309	3.8	50
90	Glucocorticoid programming of intrauterine development. <i>Domestic Animal Endocrinology</i> , 2016 , 56 Suppl, S121-32	2.3	49
89	The Endocrinology of equine parturition. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2008 , 116, 393-403	2.3	47
88	Effects of dexamethasone on the glucogenic capacity of fetal, pregnant, and non-pregnant adult sheep. <i>Journal of Endocrinology</i> , 2007 , 192, 67-73	4.7	46
87	Plasma leptin concentration in fetal sheep during late gestation: ontogeny and effect of glucocorticoids. <i>Endocrinology</i> , 2002 , 143, 1166-73	4.8	46
86	Effect of cortisol on blood pressure and the renin-angiotensin system in fetal sheep during late gestation. <i>Journal of Physiology</i> , 2000 , 526 Pt 1, 167-76	3.9	42
85	Ontogeny of uteroplacental progesterone production in pregnant mares during the second half of gestation. <i>Biology of Reproduction</i> , 2003 , 69, 540-8	3.9	39
84	Plasma glucose and cortisol responses to exogenous insulin in fasted donkeys. <i>Research in Veterinary Science</i> , 1997 , 62, 265-9	2.5	38
83	Differential effects of prenatal stress and glucocorticoid administration on postnatal growth and glucose metabolism in rats. <i>Journal of Endocrinology</i> , 2010 , 204, 319-29	4.7	37
82	Functional significance and cortisol dependence of the gross morphology of ovine placentomes during late gestation. <i>Biology of Reproduction</i> , 2006 , 74, 137-45	3.9	36
81	Postnatal cardiovascular function after manipulation of fetal growth by embryo transfer in the horse. <i>Journal of Physiology</i> , 2003 , 547, 67-76	3.9	36
80	Role of leptin in the regulation of growth and carbohydrate metabolism in the ovine fetus during late gestation. <i>Journal of Physiology</i> , 2008 , 586, 2393-403	3.9	35
79	Developmental control of plasma leptin and adipose leptin messenger ribonucleic acid in the ovine fetus during late gestation: role of glucocorticoids and thyroid hormones. <i>Endocrinology</i> , 2007 , 148, 3750-7	4.8	35
78	Postnatal insulin secretion and sensitivity after manipulation of fetal growth by embryo transfer in the horse. <i>Journal of Endocrinology</i> , 2004 , 181, 459-67	4.7	34
77	Low doses of dexamethasone suppress pituitary-adrenal function but augment the glycemic response to acute hypoxemia in fetal sheep during late gestation. <i>Pediatric Research</i> , 2000 , 47, 684-91	3.2	33

76	Endocrine adaptations in the foal over the perinatal period. <i>Equine Veterinary Journal</i> , 2012 , 44, 130-9	2.4	31
75	Differential effects of maternal dexamethasone treatment on circulating thyroid hormone concentrations and tissue deiodinase activity in the pregnant ewe and fetus. <i>Endocrinology</i> , 2007 , 148, 800-5	4.8	29
74	Role of cortisol in the ontogenic control of pulmonary and renal angiotensin-converting enzyme in fetal sheep near term. <i>Journal of Physiology</i> , 2000 , 526 Pt 2, 409-16	3.9	29
73	Developmental regulation of hepatic and renal gluconeogenic enzymes by thyroid hormones in fetal sheep during late gestation. <i>Journal of Physiology</i> , 2003 , 548, 941-7	3.9	28
72	Ontogenic and nutritionally induced changes in fetal metabolism in the horse. <i>Journal of Physiology</i> , 2000 , 528 Pt 1, 209-19	3.9	28
71	Development of cardiovascular function in the horse fetus. <i>Journal of Physiology</i> , 2005 , 565, 1019-30	3.9	27
70	Maturation of pancreatic beta-cell function in the fetal horse during late gestation. <i>Journal of Endocrinology</i> , 2005 , 186, 467-73	4.7	26
69	Adrenal glands are essential for activation of gluconeogenesis during undernutrition in fetal sheep near term. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E94-102	6	23
68	Control of growth hormone receptor and insulin-like growth factor-I expression by cortisol in ovine fetal skeletal muscle. <i>Journal of Physiology</i> , 2002 , 541, 581-9	3.9	23
67	Transport-induced stress responses in fed and fasted donkeys. <i>Research in Veterinary Science</i> , 1995 , 58, 144-51	2.5	23
66	Effects of cortisol and dexamethasone on insulin signalling pathways in skeletal muscle of the ovine fetus during late gestation. <i>PLoS ONE</i> , 2012 , 7, e52363	3.7	22
65	Regulation of gluconeogenesis by thyroid hormones in fetal sheep during late gestation. <i>Journal of Endocrinology</i> , 2001 , 170, 461-9	4.7	22
64	Hypothyroidism in utero stimulates pancreatic beta cell proliferation and hyperinsulinaemia in the ovine fetus during late gestation. <i>Journal of Physiology</i> , 2017 , 595, 3331-3343	3.9	20
63	Equine Uteroplacental Metabolism at Mid- and Late Gestation. <i>Experimental Physiology</i> , 2000 , 85, 539-545	5.4	20
62	Thyroid hormones and the mRNA of the GH receptor and IGFs in skeletal muscle of fetal sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 282, E80-6	6	19
61	Control of ovine hepatic growth hormone receptor and insulin-like growth factor I by thyroid hormones in utero. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 278, E1166-74	6	19
60	Role of thyroid hormones in the developmental control of tissue glycogen in fetal sheep near term. <i>Experimental Physiology</i> , 2009 , 94, 1079-87	2.4	18
59	Localization and control of expression of VEGF-A and the VEGFR-2 receptor in fetal sheep intestines. <i>Pediatric Research</i> , 2008 , 63, 143-8	3.2	18

58	Developmental changes in plasma angiotensin-converting enzyme concentration in fetal and neonatal lambs. <i>Reproduction, Fertility and Development</i> , 1998 , 10, 393-8	1.8	18
57	Leptin Matures Aspects of Lung Structure and Function in the Ovine Fetus. <i>Endocrinology</i> , 2016 , 157, 395-404	4.8	18
56	Endocrine interactions in the control of fetal growth. <i>Nestle Nutrition Institute Workshop Series</i> , 2013 , 74, 91-102	1.9	17
55	Effects of hypothyroidism on the structure and mechanical properties of bone in the ovine fetus. <i>Journal of Endocrinology</i> , 2011 , 210, 189-98	4.7	16
54	Effects of maternal dietary manipulation during different periods of pregnancy on hepatic glucogenic capacity in fetal and pregnant rats near term. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2009 , 19, 555-62	4.5	16
53	Relationship between plasma insulin and triglyceride concentrations in hypertriglyceridaemic donkeys. <i>Research in Veterinary Science</i> , 1994 , 56, 389-92	2.5	16
52	Paraoxonase-3, a putative circulating antioxidant, is systemically up-regulated in late gestation in the fetal rat, sheep, and human. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 3798-805	5.6	15
51	A light and electron microscopical study of the Tragulid (mouse deer) placenta. <i>Placenta</i> , 2007 , 28, 1039-44	3.4	15
50	Effect of dexamethasone on pulmonary and renal angiotensin-converting enzyme concentration in fetal sheep during late gestation. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 189, 1467-71	6.4	15
49	Effects of thyroid hormones on pulmonary and renal angiotensin-converting enzyme concentrations in fetal sheep near term. <i>Journal of Endocrinology</i> , 2002 , 173, 143-50	4.7	15
48	Hypothalamic-pituitary-adrenal axis function in pony foals after neonatal ACTH-induced glucocorticoid overexposure. <i>Equine Veterinary Journal</i> , 2012 , 44, 38-42	2.4	14
47	Cortisol influences the ontogeny of both alpha- and beta-subunits of the cardiac sodium channel in fetal sheep. <i>Journal of Endocrinology</i> , 2004 , 180, 449-55	4.7	14
46	Effects of gestational age and cortisol treatment on ovine fetal heart function in a novel biventricular Langendorff preparation. <i>Journal of Physiology</i> , 2005 , 562, 493-505	3.9	14
45	Development and thyroid hormone dependence of skeletal muscle mitochondrial function towards birth. <i>Journal of Physiology</i> , 2020 , 598, 2453-2468	3.9	13
44	Nutritional Programming of Intrauterine Development: A Concept Applicable to the Horse?. <i>Journal of Equine Veterinary Science</i> , 2013 , 33, 295-304	1.2	13
43	Increased uncoupling protein-2 mRNA abundance and glucocorticoid action in adipose tissue in the sheep fetus during late gestation is dependent on plasma cortisol and triiodothyronine. <i>Journal of Physiology</i> , 2005 , 567, 283-92	3.9	12
42	Chronic umbilical cord compression results in accelerated maturation of lung and brown adipose tissue in the sheep fetus during late gestation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 289, E456-65	6	12
41	Developmental changes in pulmonary and renal angiotensin-converting enzyme concentration in fetal and neonatal horses. <i>Reproduction, Fertility and Development</i> , 2002 , 14, 413-7	1.8	12

40	Neonatal glucocorticoid overexposure programs pituitary-adrenal function in ponies. <i>Domestic Animal Endocrinology</i> , 2015 , 50, 45-9	2.3	11
39	Changes in the maternal and fetal renin-angiotensin systems in response to angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation. <i>Experimental Physiology</i> , 1997 , 82, 761-76	2.4	11
38	Control of hepatic insulin-like growth factor II gene expression by thyroid hormones in fetal sheep near term. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 275, E149-56	6	11
37	Maternal Dexamethasone Treatment Alters Tissue and Circulating Components of the Renin-Angiotensin System in the Pregnant Ewe and Fetus. <i>Endocrinology</i> , 2015 , 156, 3038-46	4.8	10
36	Role of angiotensin II in the pressor response to cortisol in fetal sheep during late gestation. <i>Experimental Physiology</i> , 2004 , 89, 323-9	2.4	10
35	Equine Uteroplacental Metabolism at Mid- and Late Gestation 2000 , 85, 539		10
34	Renal growth retardation following angiotensin II type 1 (AT ₁)receptor antagonism is associated with increased AT ₁ receptor protein in fetal sheep. <i>Journal of Endocrinology</i> , 2011 , 208, 137-45	4.7	8
33	Insulin deficiency alters the metabolic and endocrine responses to undernutrition in fetal sheep near term. <i>Endocrinology</i> , 2012 , 153, 4008-18	4.8	8
32	Physiological development of the equine fetus during late gestation. <i>Equine Veterinary Journal</i> , 2020 , 52, 165-173	2.4	8
31	Effects of stress during pregnancy on hepatic glucogenic capacity in rat dams and their fetuses. <i>Physiological Reports</i> , 2017 , 5, e13293	2.6	7
30	Plasma angiotensin-converting enzyme (ACE) concentration in Thoroughbred racehorses. <i>Equine Veterinary Journal</i> , 2003 , 35, 96-8	2.4	7
29	Developmental changes in blood pressure and the renin-angiotensin system in pony fetuses during the second half of gestation. <i>Journal of Reproduction and Fertility Supplement</i> , 2000 , 693-703		7
28	Thyroid Deficiency Before Birth Alters the Adipose Transcriptome to Promote Overgrowth of White Adipose Tissue and Impair Thermogenic Capacity. <i>Thyroid</i> , 2020 , 30, 794-805	6.2	6
27	Developmental Expression and Glucocorticoid Control of the Leptin Receptor in Fetal Ovine Lung. <i>PLoS ONE</i> , 2015 , 10, e0136115	3.7	6
26	Effects of pituitary hormone deficiency on growth and glucose metabolism of the sheep fetus. <i>Endocrinology</i> , 2007 , 148, 4812-20	4.8	6
25	Ontogeny of pulmonary and renal angiotensin-converting enzyme in pigs. <i>Molecular and Cellular Endocrinology</i> , 2001 , 185, 127-33	4.4	6
24	Development of cerebral mitochondrial respiratory function is impaired by thyroid hormone deficiency before birth in a region-specific manner. <i>FASEB Journal</i> , 2021 , 35, e21591	0.9	6
23	Haemodynamic responses to an angiotensin II receptor antagonist (GR 117289) in maternal and fetal sheep. <i>Experimental Physiology</i> , 1995 , 80, 285-98	2.4	5

22	Comparative aspects of prepartum maturation: Provision of nutrients. <i>Pferdeheilkunde</i> , 2001 , 17, 653-658	88	5
21	Glucose transporter 1 localisation throughout pregnancy in the carnivore placenta: light and electron microscope studies. <i>Placenta</i> , 2007 , 28, 453-64	3-4	4
20	Effects of birth weight, sex and neonatal glucocorticoid overexposure on glucose-insulin dynamics in young adult horses. <i>Journal of Developmental Origins of Health and Disease</i> , 2017 , 8, 206-215	2-4	4
19	Thyroid Hormone Deficiency Suppresses Fetal Pituitary-Adrenal Function Near Term: Implications for the Control of Fetal Maturation and Parturition. <i>Thyroid</i> , 2021 , 31, 861-869	6.2	4
18	Sex- and bone-specific responses in bone structure to exogenous leptin and leptin receptor antagonism in the ovine fetus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R781-R790	3-2	4
17	Equine uteroplacental metabolism at mid- and late gestation. <i>Experimental Physiology</i> , 2000 , 85, 539-45	2.4	4
16	PANCREATIC [alpha] CELL FUNCTION IN THE FETAL FOAL DURING LATE GESTATION. <i>Experimental Physiology</i> , 1999 , 84, 697-705	2.4	3
15	Functional immunocytochemistry of Tragulus placenta: implications for ruminant evolution. <i>Placenta</i> , 2014 , 35, 305-10	3-4	2
14	Control of fetal metabolism: relevance to developmental origins of health and disease	143-158	2
13	Pancreatic Cell Function in the Fetal Foal During Late Gestation. <i>Experimental Physiology</i> , 1999 , 84, 697-705	2.4	2
12	The effects of birth weight on basal cardiovascular function in pigs at 3 months of age	2002 , 539, 969	2
11	Glucocorticoid maturation of mitochondrial respiratory capacity in skeletal muscle before birth. <i>Journal of Endocrinology</i> , 2021 , 251, 53-68	4-7	2
10	Breathing for two: maternal asthma and lung development in the fetus. <i>Journal of Physiology</i> , 2019 , 597, 4125-4126	3-9	1
9	Endocrine and metabolic responses to transportation in periparturient donkeys. <i>Animal Reproduction Science</i> , 1994 , 36, 315-327	2.1	1
8	Pancreas deficiency modifies bone development in the ovine fetus near term. <i>Journal of Endocrinology</i> , 2021 , 252, 71-80	4-7	1
7	Legacy of excess: consequences of maternal obesity for the adult offspring. <i>Journal of Physiology</i> , 2018 , 596, 4559-4560	3-9	1
6	Endocrine regulation of fetal metabolism towards term. <i>Domestic Animal Endocrinology</i> , 2022 , 78, 106657	3	1
5	Metabolic Consequences of Glucocorticoid Exposure before Birth. <i>Nutrients</i> , 2022 , 14, 2304	6-7	0

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2 Neonatal glucocorticoid overexposure alters cardiovascular function in young adult horses in a sex-linked manner. *Journal of Developmental Origins of Health and Disease*, **2021**, 12, 309-318 2.4

1 Cortisol Regulates Cerebral Mitochondrial Oxidative Phosphorylation and Morphology of the Brain in a Region-Specific Manner in the Ovine Fetus. *Biomolecules*, **2022**, 12, 768 5.9