Darlene E Berryman

List of Publications by Year in Descending Order

100 papers	3,401 citations	29 h-index	56 g-index
106 ext. papers	3,954 ext. citations	4.9 avg, IF	5.13 L-index

#	Paper	IF	Citations
100	Regulation of 11β-HSD1 by GH/IGF-1 in key metabolic tissues may contribute to metabolic disease in GH deficient patients. *Growth Hormone and IGF Research*, **2021**, 62, 101440	2	0
99	Mice with gene alterations in the GH and IGF family. *Pituitary*, **2021**, 1	4.3	4
98	Growth hormone receptor gene disruption in mature-adult mice improves male insulin sensitivity and extends female lifespan. *Aging Cell*, **2021**, e13506	9.9	3
97	Mouse models of growth hormone insensitivity. *Reviews in Endocrine and Metabolic Disorders*, **2021**, 22, 17-29	10.5	1
96	Transcriptome profiling of insulin sensitive tissues from GH deficient mice following GH treatment. *Pituitary*, **2021**, 24, 384-399	4.3	2
95	Growth hormone alters gross anatomy and morphology of the small and large intestines in age- and sex-dependent manners. *Pituitary*, **2021**, 1	4.3	2
94	Growth Hormone Upregulates Mediators of Melanoma Drug Efflux and Epithelial-to-Mesenchymal Transition In Vitro and In Vivo. *Cancers*, **2020**, 12,	6.6	2
93	GHR Mice are protected from obesity-related white adipose tissue inflammation. *Journal of Neuroendocrinology*, **2020**, 32, e12854	3.8	1
92	Assessing utility of a lifestyle-based tool in the clinical setting as a primordial prevention strategy: The Healthy Heart Score. *Chronic Illness*, **2020**, 1742395319899431	1.4	1
91	The Effects of 20-kDa Human Placental GH in Male and Female GH-deficient Mice: An Improved Human GH?. *Endocrinology*, **2020**, 161,	4.8	5
90	Growth Hormone Deficiency and Excess Alter the Gut Microbiome in Adult Male Mice. *Endocrinology*, **2020**, 161,	4.8	14
89	The effects of growth hormone on adipose tissue: old observations, new mechanisms. *Nature Reviews Endocrinology*, **2020**, 16, 135-146	15.2	37
88	Crosstalk between the growth hormone/insulin-like growth factor-1 axis and the gut microbiome: A new frontier for microbial endocrinology. *Growth Hormone and IGF Research*, **2020**, 53-54, 101333	2	10
87	Differential gene signature in adipose tissue depots of growth hormone transgenic mice. *Journal of Neuroendocrinology*, **2020**, 32, e12893	3.8	2
86	The enigmatic role of growth hormone in age-related diseases, cognition, and longevity. *GeroScience*, **2019**, 41, 759-774	8.9	20
85	Growth Hormone Upregulates Melanocyte-Inducing Transcription Factor Expression and Activity via JAK2-STAT5 and SRC Signaling in GH Receptor-Positive Human Melanoma. *Cancers*, **2019**, 11,	6.6	9
84	ALS blood expression profiling identifies new biomarkers, patient subgroups, and evidence for neutrophilia and hypoxia. *Journal of Translational Medicine*, **2019**, 17, 170	8.5	19

83	Characterization of an intestine-specific GH receptor knockout (IntGHRKO) mouse. *Growth Hormone and IGF Research*, **2019**, 46-47, 5-15	2	12
82	Growth hormone impact on adipose tissue and aging. *Current Opinion in Endocrine and Metabolic Research*, **2019**, 5, 45-57	1.7	
81	Heterogeneity spacers in 16S rDNA primers improve analysis of mouse gut microbiomes via greater nucleotide diversity. *BioTechniques*, **2019**, 67, 55-62	2.5	8
80	GH Knockout Mice Have Increased Subcutaneous Adipose Tissue With Decreased Fibrosis and Enhanced Insulin Sensitivity. *Endocrinology*, **2019**, 160, 1743-1756	4.8	19
79	New insights of growth hormone (GH) actions from tissue-specific GH receptor knockouts in mice. *Archives of Endocrinology and Metabolism*, **2019**, 63, 557-567	2.2	8
78	MON-LB018 Depot-Specific Differences in Adipose Tissue Morphology with Laron Syndrome. *Journal of the Endocrine Society*, **2019**, 3,	0.4	78
77	Adipocyte-Specific GH Receptor-Null (AdGHRKO) Mice Have Enhanced Insulin Sensitivity With Reduced Liver Triglycerides. *Endocrinology*, **2019**, 160, 68-80	4.8	28
76	Phenylmethimazole abrogates diet-induced inflammation, glucose intolerance and NAFLD. *Journal of Endocrinology*, **2018**, 237, 337-351	4.7	4
75	Depot-specific and GH-dependent regulation of IGF binding protein-4, pregnancy-associated plasma protein-A, and stanniocalcin-2 in murine adipose tissue. *Growth Hormone and IGF Research*, **2018**, 39, 54-61	2	18
74	Increased fibrosis: A novel means by which GH influences white adipose tissue function. *Growth Hormone and IGF Research*, **2018**, 39, 45-53	2	15
73	Regional Variations in Physical Fitness and Activity in Healthy and Overweight Ecuadorian Adolescents. *Children*, **2018**, 5,	2.8	3
72	Obesity and the Growth Hormone Axis **2018**, 321-344		
71	The Complexity of Adipose Tissue **2018**, 205-223		1
70	Growth hormone controls lipolysis by regulation of FSP27 expression. *Journal of Endocrinology*, **2018**, 239, 289-301	4.7	21
69	Transcriptional profiling identifies strain-specific effects of caloric restriction and opposite responses in human and mouse white adipose tissue. *Aging*, **2018**, 10, 701-746	5.6	7
68	Increased environmental temperature normalizes energy metabolism outputs between normal and Ames dwarf mice. *Aging*, **2018**, 10, 2709-2722	5.6	10
67	Insulin, IGF-1, and GH Receptors Are Altered in an Adipose Tissue Depot-Specific Manner in Male Mice With Modified GH Action. *Endocrinology*, **2017**, 158, 1406-1418	4.8	13
66	Cardiometabolic risk factors, metabolic syndrome and pre-diabetes in adolescents in the Sierra region of Ecuador. *Diabetology and Metabolic Syndrome*, **2017**, 9, 24	5.6	3

65	Impact of Growth Hormone on Regulation of Adipose Tissue. *Comprehensive Physiology*, **2017**, 7, 819-840	7.7	15
64	Assessment of Nutrition Knowledge and Attitudes in Preclinical Osteopathic Medical Students. *Journal of Osteopathic Medicine*, **2017**, 117, 622-633	0.8	13
63	Defines a Glycolytic Subpopulation and White Adipocyte Heterogeneity. *Diabetes*, **2017**, 66, 2822-2829	0.9	26
62	Growth Hormone's Effect on Adipose Tissue: Quality versus Quantity. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	39
61	Diet-induced weight loss is sufficient to reduce senescent cell number in white adipose tissue of weight-cycled mice. *Nutrition and Healthy Aging*, **2016**, 4, 95-99	1.3	8
60	Disruption of the GH Receptor Gene in Adult Mice Increases Maximal Lifespan in Females. *Endocrinology*, **2016**, 157, 4502-4513	4.8	47
59	Growth Hormone Receptor Antagonist Transgenic Mice Have Increased Subcutaneous Adipose Tissue Mass, Altered Glucose Homeostasis and No Change in White Adipose Tissue Cellular Senescence. *Gerontology*, **2016**, 62, 163-72	5.5	14
58	Glucose and Fat Metabolism in Acromegaly: From Mice Models to Patient Care. *Neuroendocrinology*, **2016**, 103, 96-105	5.6	22
57	Developments in our understanding of the effects of growth hormone on white adipose tissue from mice: implications to the clinic. *Expert Review of Endocrinology and Metabolism*, **2016**, 11, 197-207	4.1	7
56	Cardiac-Specific Disruption of GH Receptor Alters Glucose Homeostasis While Maintaining Normal Cardiac Performance in Adult Male Mice. *Endocrinology*, **2016**, 157, 1929-41	4.8	16
55	Fibroblast growth factor 21, fibroblast growth factor receptor 1, and Klotho expression in bovine growth hormone transgenic and growth hormone receptor knockout mice. *Growth Hormone and IGF Research*, **2016**, 30-31, 22-30	2	14
54	GH action influences adipogenesis of mouse adipose tissue-derived mesenchymal stem cells. *Journal of Endocrinology*, **2015**, 226, 13-23	4.7	21
53	Expression of apoptosis-related genes in liver-specific growth hormone receptor gene-disrupted mice is sex dependent. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 44-52	6.4	13
52	Growth hormone receptor antagonist transgenic mice are protected from hyperinsulinemia and glucose intolerance despite obesity when placed on a HF diet. *Endocrinology*, **2015**, 156, 555-64	4.8	20
51	Growth hormone modulates hypothalamic inflammation in long-lived pituitary dwarf mice. *Aging Cell*, **2015**, 14, 1045-54	9.9	52
50	Transcriptome profiling reveals divergent expression shifts in brown and white adipose tissue from long-lived GHRKO mice. *Oncotarget*, **2015**, 6, 26702-15	3.3	21
49	Regulation of mTOR activity in Snell dwarf and GH receptor gene-disrupted mice. *Endocrinology*, **2015**, 156, 565-75	4.8	55
48	Male bovine GH transgenic mice have decreased adiposity with an adipose depot-specific increase in immune cell populations. *Endocrinology*, **2015**, 156, 1794-803	4.8	28

47	Living Large: What Mouse Models Reveal about Growth Hormone and Obesity. *Energy Balance and Cancer*, **2015**, 65-95	0.2	4
46	Gene expression of key regulators of mitochondrial biogenesis is sex dependent in mice with growth hormone receptor deletion in liver. *Aging*, **2015**, 7, 195-204	5.6	29
45	Removal of growth hormone receptor (GHR) in muscle of male mice replicates some of the health benefits seen in global GHR-/- mice. *Aging*, **2015**, 7, 500-12	5.6	36
44	Evaluation of growth hormone (GH) action in mice: discovery of GH receptor antagonists and clinical indications. *Molecular and Cellular Endocrinology*, **2014**, 386, 34-45	4.4	56
43	Age-related and depot-specific changes in white adipose tissue of growth hormone receptor-null mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69, 34-43	6.4	16
42	Liver-specific GH receptor gene-disrupted (LiGHRKO) mice have decreased endocrine IGF-I, increased local IGF-I, and altered body size, body composition, and adipokine profiles. *Endocrinology* , **2014**, 155, 1793-805	4.8	95
41	A dwarf mouse model with decreased GH/IGF-1 activity that does not experience life-span extension: potential impact of increased adiposity, leptin, and insulin with advancing age. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69, 131-41	6.4	22
40	Elevated systolic blood pressure in male GH transgenic mice is age dependent. *Endocrinology*, **2014**, 155, 975-86	4.8	25
39	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. *Aging*, **2014**, 6, 575-86	5.6	91
38	The GH/IGF-1 axis in obesity: pathophysiology and therapeutic considerations. *Nature Reviews Endocrinology*, **2013**, 9, 346-56	15.2	124
37	The GH/IGF-1 axis in ageing and longevity. *Nature Reviews Endocrinology*, **2013**, 9, 366-376	15.2	290
36	Adiponectin in mice with altered GH action: links to insulin sensitivity and longevity?. *Journal of Endocrinology*, **2013**, 216, 363-74	4.7	43
35	The role of GH in adipose tissue: lessons from adipose-specific GH receptor gene-disrupted mice. *Molecular Endocrinology*, **2013**, 27, 524-35		103
34	Direct and indirect effects of growth hormone receptor ablation on liver expression of xenobiotic metabolizing genes. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E942-50	6	16
33	The effects of weight cycling on lifespan in male C57BL/6J mice. *International Journal of Obesity*, **2013**, 37, 1088-94	5.5	28
32	Heterogeneity among white adipose tissue depots in male C57BL/6J mice. *Obesity*, **2012**, 20, 101-11	8	69
31	Decreased insulin sensitivity and increased oxidative damage in wasting adipose tissue depots of wild-type mice. *Age*, **2012**, 34, 1225-37		11
30	Age- and sex-associated plasma proteomic changes in growth hormone receptor gene-disrupted mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 830-40	6.4	10

29	Growth hormone and adipose tissue: beyond the adipocyte. *Growth Hormone and IGF Research*, **2011**, 21, 113-23	2	65
28	Plasma proteomic profiles of bovine growth hormone transgenic mice as they age. *Transgenic Research*, **2011**, 20, 1305-20	3.3	20
27	Endocrine parameters and phenotypes of the growth hormone receptor gene disrupted (GHR-/-) mouse. *Endocrine Reviews*, **2011**, 32, 356-86	27.2	132
26	Body Composition, Adipose Tissue, and Energy Balance **2011**, 441-449		1
25	Growth Hormone and Translational Research: From the SBenchSto the SBedsideS *Endocrinology and Metabolism*, **2011**, 26, 285	3.5	
24	School-based screening of the dietary intakes of third graders in rural Appalachian Ohio. *Journal of School Health*, **2010**, 80, 536-43	2.1	8
23	Two-year body composition analyses of long-lived GHR null mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2010**, 65, 31-40	6.4	104
22	Daily energy balance in growth hormone receptor/binding protein (GHR -/-) gene-disrupted mice is achieved through an increase in dark-phase energy efficiency. *Growth Hormone and IGF Research*, **2010**, 20, 73-9	2	14
21	Using food as a tool to teach science to 3 grade students in Appalachian Ohio. *Journal of Food Science Education*, **2010**, 9, 41-46	0.8	12
20	Total and high molecular weight adiponectin levels in mice with altered GH signaling. *FASEB Journal* , **2010**, 24, 547.1	0.9	
19	Age-related changes in body composition of bovine growth hormone transgenic mice. *Endocrinology*, **2009**, 150, 1353-60	4.8	74
18	Reduced incidence and delayed occurrence of fatal neoplastic diseases in growth hormone receptor/binding protein knockout mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2009**, 64, 522-9	6.4	176
17	Growth hormone improves body composition, fasting blood glucose, glucose tolerance and liver triacylglycerol in a mouse model of diet-induced obesity and type 2 diabetes. *Diabetologia*, **2009**, 52, 1647-55	10.3	48
16	Role of the GH/IGF-1 axis in lifespan and healthspan: lessons from animal models. *Growth Hormone and IGF Research*, **2008**, 18, 455-71	2	223
15	Loss of cytokine-STAT5 signaling in the CNS and pituitary gland alters energy balance and leads to obesity. *PLoS ONE*, **2008**, 3, e1639	3.7	71
14	CIDE-A is expressed in liver of old mice and in type 2 diabetic mouse liver exhibiting steatosis. *Comparative Hepatology*, **2007**, 6, 4		20
13	Analysis of mouse skin reveals proteins that are altered in a diet-induced diabetic state: a new method for detection of type 2 diabetes. *Proteomics*, **2007**, 7, 1140-9	4.8	29
12	CIDE-A gene expression is decreased in white adipose tissue of growth hormone receptor/binding protein gene disrupted mice and with high-fat feeding of normal mice. *Growth Hormone and IGF Research*, **2007**, 17, 346-51	2	18

11	Discovery and uses of pegvisomant: a growth hormone antagonist. *Endokrynologia Polska*, **2007**, 58, 322-9	1.1	2
10	Dietetics students possess negative attitudes toward obesity similar to nondietetics students. *Journal of the American Dietetic Association*, **2006**, 106, 1678-82		59
9	Effect of growth hormone on susceptibility to diet-induced obesity. *Endocrinology*, **2006**, 147, 2801-8	4.8	85
8	Creating a New Paradigm for Premedical Undergraduate Studies: PhysiciansSPerceptions of Subjects and Skills Critical for Success in Medical School and Practice. *Medical Education Online*, **2006**, 11, 4606	4.4	3
7	Elevated Body Image Dissatisfaction Relates to Body Size of Appalachian Children. *Topics in Clinical Nutrition*, **2006**, 21, 101-107	0.4	1
6	Chronic changes in peripheral growth hormone levels do not affect ghrelin stomach mRNA expression and serum ghrelin levels in three transgenic mouse models. *Journal of Neuroendocrinology*, **2004**, 16, 669-75	3.8	13
5	Comparing adiposity profiles in three mouse models with altered GH signaling. *Growth Hormone and IGF Research*, **2004**, 14, 309-18	2	225
4	Binding of hepatic lipase to heparin: identification of specific heparin-binding residues in two distinct positive charge clusters. *Journal of Lipid Research*, **2000**, 41, 260-268	6.3	17
3	Oligomeric structure of hepatic lipase: evidence from a novel epitope tag technique. *BBA - Proteins and Proteomics*, **1998**, 1382, 217-29		8
2	Genetics and molecular biology of hepatic lipase. *Current Opinion in Lipidology*, **1996**, 7, 77-81	4.4	44
1	Heparan sulfate proteoglycans are primarily responsible for the maintenance of enzyme activity, binding, and degradation of lipoprotein lipase in Chinese hamster ovary cells. *Journal of Biological Chemistry*, **1995**, 270, 24525-31	5.4	45