

# Darlene E Berryman

## List of Publications by Citations

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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	The GH/IGF-1 axis in ageing and longevity. <i>Nature Reviews Endocrinology</i> , <b>2013</b> , 9, 366-376	15.2	290
99	Comparing adiposity profiles in three mouse models with altered GH signaling. <i>Growth Hormone and IGF Research</i> , <b>2004</b> , 14, 309-18	2	225
98	Role of the GH/IGF-1 axis in lifespan and healthspan: lessons from animal models. <i>Growth Hormone and IGF Research</i> , <b>2008</b> , 18, 455-71	2	223
97	Reduced incidence and delayed occurrence of fatal neoplastic diseases in growth hormone receptor/binding protein knockout mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2009</b> , 64, 522-9	6.4	176
96	Endocrine parameters and phenotypes of the growth hormone receptor gene disrupted (GHR-/-) mouse. <i>Endocrine Reviews</i> , <b>2011</b> , 32, 356-86	27.2	132
95	The GH/IGF-1 axis in obesity: pathophysiology and therapeutic considerations. <i>Nature Reviews Endocrinology</i> , <b>2013</b> , 9, 346-56	15.2	124
94	Two-year body composition analyses of long-lived GHR null mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2010</b> , 65, 31-40	6.4	104
93	The role of GH in adipose tissue: lessons from adipose-specific GH receptor gene-disrupted mice. <i>Molecular Endocrinology</i> , <b>2013</b> , 27, 524-35		103
92	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. <i>Endocrinology</i> , <b>2014</b> , 155, 1793-805	4.8	95
91	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. <i>Aging</i> , <b>2014</b> , 6, 575-86	5.6	91
90	Effect of growth hormone on susceptibility to diet-induced obesity. <i>Endocrinology</i> , <b>2006</b> , 147, 2801-8	4.8	85
89	MON-LB018 Depot-Specific Differences in Adipose Tissue Morphology with Laron Syndrome. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
88	Age-related changes in body composition of bovine growth hormone transgenic mice. <i>Endocrinology</i> , <b>2009</b> , 150, 1353-60	4.8	74
87	Loss of cytokine-STAT5 signaling in the CNS and pituitary gland alters energy balance and leads to obesity. <i>PLoS ONE</i> , <b>2008</b> , 3, e1639	3.7	71
86	Heterogeneity among white adipose tissue depots in male C57BL/6J mice. <i>Obesity</i> , <b>2012</b> , 20, 101-11	8	69
85	Growth hormone and adipose tissue: beyond the adipocyte. <i>Growth Hormone and IGF Research</i> , <b>2011</b> , 21, 113-23	2	65
84	Dietetics students possess negative attitudes toward obesity similar to nondietetics students. <i>Journal of the American Dietetic Association</i> , <b>2006</b> , 106, 1678-82		59

83	Evaluation of growth hormone (GH) action in mice: discovery of GH receptor antagonists and clinical indications. <i>Molecular and Cellular Endocrinology</i> , <b>2014</b> , 386, 34-45	4.4	56
82	Regulation of mTOR activity in Snell dwarf and GH receptor gene-disrupted mice. <i>Endocrinology</i> , <b>2015</b> , 156, 565-75	4.8	55
81	Growth hormone modulates hypothalamic inflammation in long-lived pituitary dwarf mice. <i>Aging Cell</i> , <b>2015</b> , 14, 1045-54	9.9	52
80	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. <i>Diabetologia</i> , <b>2009</b> , 52, 1647-55	10.3	48
79	Disruption of the GH Receptor Gene in Adult Mice Increases Maximal Lifespan in Females. <i>Endocrinology</i> , <b>2016</b> , 157, 4502-4513	4.8	47
78	Heparan sulfate proteoglycans are primarily responsible for the maintenance of enzyme activity, binding, and degradation of lipoprotein lipase in Chinese hamster ovary cells. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 24525-31	5.4	45
77	Genetics and molecular biology of hepatic lipase. <i>Current Opinion in Lipidology</i> , <b>1996</b> , 7, 77-81	4.4	44
76	Adiponectin in mice with altered GH action: links to insulin sensitivity and longevity?. <i>Journal of Endocrinology</i> , <b>2013</b> , 216, 363-74	4.7	43
75	Growth Hormone's Effect on Adipose Tissue: Quality versus Quantity. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	39
74	The effects of growth hormone on adipose tissue: old observations, new mechanisms. <i>Nature Reviews Endocrinology</i> , <b>2020</b> , 16, 135-146	15.2	37
73	Removal of growth hormone receptor (GHR) in muscle of male mice replicates some of the health benefits seen in global GHR <sup>-/-</sup> mice. <i>Aging</i> , <b>2015</b> , 7, 500-12	5.6	36
72	Analysis of mouse skin reveals proteins that are altered in a diet-induced diabetic state: a new method for detection of type 2 diabetes. <i>Proteomics</i> , <b>2007</b> , 7, 1140-9	4.8	29
71	Gene expression of key regulators of mitochondrial biogenesis is sex dependent in mice with growth hormone receptor deletion in liver. <i>Aging</i> , <b>2015</b> , 7, 195-204	5.6	29
70	Male bovine GH transgenic mice have decreased adiposity with an adipose depot-specific increase in immune cell populations. <i>Endocrinology</i> , <b>2015</b> , 156, 1794-803	4.8	28
69	The effects of weight cycling on lifespan in male C57BL/6J mice. <i>International Journal of Obesity</i> , <b>2013</b> , 37, 1088-94	5.5	28
68	Adipocyte-Specific GH Receptor-Null (AdGHRKO) Mice Have Enhanced Insulin Sensitivity With Reduced Liver Triglycerides. <i>Endocrinology</i> , <b>2019</b> , 160, 68-80	4.8	28
67	Defines a Glycolytic Subpopulation and White Adipocyte Heterogeneity. <i>Diabetes</i> , <b>2017</b> , 66, 2822-2829	0.9	26
66	Elevated systolic blood pressure in male GH transgenic mice is age dependent. <i>Endocrinology</i> , <b>2014</b> , 155, 975-86	4.8	25

65	Glucose and Fat Metabolism in Acromegaly: From Mice Models to Patient Care. <i>Neuroendocrinology</i> , <b>2016</b> , 103, 96-105	5.6	22
64	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. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 131-41	6.4	22
63	GH action influences adipogenesis of mouse adipose tissue-derived mesenchymal stem cells. <i>Journal of Endocrinology</i> , <b>2015</b> , 226, 13-23	4.7	21
62	Transcriptome profiling reveals divergent expression shifts in brown and white adipose tissue from long-lived GHRKO mice. <i>Oncotarget</i> , <b>2015</b> , 6, 26702-15	3.3	21
61	Growth hormone controls lipolysis by regulation of FSP27 expression. <i>Journal of Endocrinology</i> , <b>2018</b> , 239, 289-301	4.7	21
60	The enigmatic role of growth hormone in age-related diseases, cognition, and longevity. <i>GeroScience</i> , <b>2019</b> , 41, 759-774	8.9	20
59	Growth hormone receptor antagonist transgenic mice are protected from hyperinsulinemia and glucose intolerance despite obesity when placed on a HF diet. <i>Endocrinology</i> , <b>2015</b> , 156, 555-64	4.8	20
58	Plasma proteomic profiles of bovine growth hormone transgenic mice as they age. <i>Transgenic Research</i> , <b>2011</b> , 20, 1305-20	3.3	20
57	CIDE-A is expressed in liver of old mice and in type 2 diabetic mouse liver exhibiting steatosis. <i>Comparative Hepatology</i> , <b>2007</b> , 6, 4		20
56	ALS blood expression profiling identifies new biomarkers, patient subgroups, and evidence for neutrophilia and hypoxia. <i>Journal of Translational Medicine</i> , <b>2019</b> , 17, 170	8.5	19
55	GH Knockout Mice Have Increased Subcutaneous Adipose Tissue With Decreased Fibrosis and Enhanced Insulin Sensitivity. <i>Endocrinology</i> , <b>2019</b> , 160, 1743-1756	4.8	19
54	Depot-specific and GH-dependent regulation of IGF binding protein-4, pregnancy-associated plasma protein-A, and stanniocalcin-2 in murine adipose tissue. <i>Growth Hormone and IGF Research</i> , <b>2018</b> , 39, 54-61	2	18
53	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. <i>Growth Hormone and IGF Research</i> , <b>2007</b> , 17, 346-51	2	18
52	Binding of hepatic lipase to heparin: identification of specific heparin-binding residues in two distinct positive charge clusters. <i>Journal of Lipid Research</i> , <b>2000</b> , 41, 260-268	6.3	17
51	Age-related and depot-specific changes in white adipose tissue of growth hormone receptor-null mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 34-43	6.4	16
50	Direct and indirect effects of growth hormone receptor ablation on liver expression of xenobiotic metabolizing genes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 305, E942-50	6	16
49	Cardiac-Specific Disruption of GH Receptor Alters Glucose Homeostasis While Maintaining Normal Cardiac Performance in Adult Male Mice. <i>Endocrinology</i> , <b>2016</b> , 157, 1929-41	4.8	16
48	Impact of Growth Hormone on Regulation of Adipose Tissue. <i>Comprehensive Physiology</i> , <b>2017</b> , 7, 819-840	7.7	15

47	Increased fibrosis: A novel means by which GH influences white adipose tissue function. <i>Growth Hormone and IGF Research</i> , <b>2018</b> , 39, 45-53	2	15
46	Growth Hormone Deficiency and Excess Alter the Gut Microbiome in Adult Male Mice. <i>Endocrinology</i> , <b>2020</b> , 161,	4.8	14
45	Growth Hormone Receptor Antagonist Transgenic Mice Have Increased Subcutaneous Adipose Tissue Mass, Altered Glucose Homeostasis and No Change in White Adipose Tissue Cellular Senescence. <i>Gerontology</i> , <b>2016</b> , 62, 163-72	5.5	14
44	Daily energy balance in growth hormone receptor/binding protein (GHR -/-) gene-disrupted mice is achieved through an increase in dark-phase energy efficiency. <i>Growth Hormone and IGF Research</i> , <b>2010</b> , 20, 73-9	2	14
43	Fibroblast growth factor 21, fibroblast growth factor receptor 1, and Klotho expression in bovine growth hormone transgenic and growth hormone receptor knockout mice. <i>Growth Hormone and IGF Research</i> , <b>2016</b> , 30-31, 22-30	2	14
42	Insulin, IGF-1, and GH Receptors Are Altered in an Adipose Tissue Depot-Specific Manner in Male Mice With Modified GH Action. <i>Endocrinology</i> , <b>2017</b> , 158, 1406-1418	4.8	13
41	Expression of apoptosis-related genes in liver-specific growth hormone receptor gene-disrupted mice is sex dependent. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 44-52	6.4	13
40	Assessment of Nutrition Knowledge and Attitudes in Preclinical Osteopathic Medical Students. <i>Journal of Osteopathic Medicine</i> , <b>2017</b> , 117, 622-633	0.8	13
39	Chronic changes in peripheral growth hormone levels do not affect ghrelin stomach mRNA expression and serum ghrelin levels in three transgenic mouse models. <i>Journal of Neuroendocrinology</i> , <b>2004</b> , 16, 669-75	3.8	13
38	Characterization of an intestine-specific GH receptor knockout (IntGHRKO) mouse. <i>Growth Hormone and IGF Research</i> , <b>2019</b> , 46-47, 5-15	2	12
37	Using food as a tool to teach science to 3 grade students in Appalachian Ohio. <i>Journal of Food Science Education</i> , <b>2010</b> , 9, 41-46	0.8	12
36	Decreased insulin sensitivity and increased oxidative damage in wasting adipose tissue depots of wild-type mice. <i>Age</i> , <b>2012</b> , 34, 1225-37		11
35	Age- and sex-associated plasma proteomic changes in growth hormone receptor gene-disrupted mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2012</b> , 67, 830-40	6.4	10
34	Increased environmental temperature normalizes energy metabolism outputs between normal and Ames dwarf mice. <i>Aging</i> , <b>2018</b> , 10, 2709-2722	5.6	10
33	Crosstalk between the growth hormone/insulin-like growth factor-1 axis and the gut microbiome: A new frontier for microbial endocrinology. <i>Growth Hormone and IGF Research</i> , <b>2020</b> , 53-54, 101333	2	10
32	Growth Hormone Upregulates Melanocyte-Inducing Transcription Factor Expression and Activity via JAK2-STAT5 and SRC Signaling in GH Receptor-Positive Human Melanoma. <i>Cancers</i> , <b>2019</b> , 11,	6.6	9
31	Diet-induced weight loss is sufficient to reduce senescent cell number in white adipose tissue of weight-cycled mice. <i>Nutrition and Healthy Aging</i> , <b>2016</b> , 4, 95-99	1.3	8
30	Heterogeneity spacers in 16S rDNA primers improve analysis of mouse gut microbiomes via greater nucleotide diversity. <i>BioTechniques</i> , <b>2019</b> , 67, 55-62	2.5	8

29	School-based screening of the dietary intakes of third graders in rural Appalachian Ohio. <i>Journal of School Health</i> , <b>2010</b> , 80, 536-43	2.1	8
28	Oligomeric structure of hepatic lipase: evidence from a novel epitope tag technique. <i>BBA - Proteins and Proteomics</i> , <b>1998</b> , 1382, 217-29		8
27	New insights of growth hormone (GH) actions from tissue-specific GH receptor knockouts in mice. <i>Archives of Endocrinology and Metabolism</i> , <b>2019</b> , 63, 557-567	2.2	8
26	Developments in our understanding of the effects of growth hormone on white adipose tissue from mice: implications to the clinic. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2016</b> , 11, 197-207	4.1	7
25	Transcriptional profiling identifies strain-specific effects of caloric restriction and opposite responses in human and mouse white adipose tissue. <i>Aging</i> , <b>2018</b> , 10, 701-746	5.6	7
24	The Effects of 20-kDa Human Placental GH in Male and Female GH-deficient Mice: An Improved Human GH?. <i>Endocrinology</i> , <b>2020</b> , 161,	4.8	5
23	Phenylmethimazole abrogates diet-induced inflammation, glucose intolerance and NAFLD. <i>Journal of Endocrinology</i> , <b>2018</b> , 237, 337-351	4.7	4
22	Living Large: What Mouse Models Reveal about Growth Hormone and Obesity. <i>Energy Balance and Cancer</i> , <b>2015</b> , 65-95	0.2	4
21	Mice with gene alterations in the GH and IGF Family. <i>Pituitary</i> , <b>2021</b> , 1	4.3	4
20	Cardiometabolic risk factors, metabolic syndrome and pre-diabetes in adolescents in the Sierra region of Ecuador. <i>Diabetology and Metabolic Syndrome</i> , <b>2017</b> , 9, 24	5.6	3
19	Regional Variations in Physical Fitness and Activity in Healthy and Overweight Ecuadorian Adolescents. <i>Children</i> , <b>2018</b> , 5,	2.8	3
18	Creating a New Paradigm for Premedical Undergraduate Studies: Physicians' Perceptions of Subjects and Skills Critical for Success in Medical School and Practice. <i>Medical Education Online</i> , <b>2006</b> , 11, 4606	4.4	3
17	Growth hormone receptor gene disruption in mature-adult mice improves male insulin sensitivity and extends female lifespan. <i>Aging Cell</i> , <b>2021</b> , e13506	9.9	3
16	Growth Hormone Upregulates Mediators of Melanoma Drug Efflux and Epithelial-to-Mesenchymal Transition In Vitro and In Vivo. <i>Cancers</i> , <b>2020</b> , 12,	6.6	2
15	Differential gene signature in adipose tissue depots of growth hormone transgenic mice. <i>Journal of Neuroendocrinology</i> , <b>2020</b> , 32, e12893	3.8	2
14	Transcriptome profiling of insulin sensitive tissues from GH deficient mice following GH treatment. <i>Pituitary</i> , <b>2021</b> , 24, 384-399	4.3	2
13	Growth hormone alters gross anatomy and morphology of the small and large intestines in age- and sex-dependent manners. <i>Pituitary</i> , <b>2021</b> , 1	4.3	2
12	Discovery and uses of pegvisomant: a growth hormone antagonist. <i>Endokrynologia Polska</i> , <b>2007</b> , 58, 322-91		2

11	GHR Mice are protected from obesity-related white adipose tissue inflammation. <i>Journal of Neuroendocrinology</i> , <b>2020</b> , 32, e12854	3.8	1
10	Assessing utility of a lifestyle-based tool in the clinical setting as a primordial prevention strategy: The Healthy Heart Score. <i>Chronic Illness</i> , <b>2020</b> , 1742395319899431	1.4	1
9	The Complexity of Adipose Tissue <b>2018</b> , 205-223		1
8	Elevated Body Image Dissatisfaction Relates to Body Size of Appalachian Children. <i>Topics in Clinical Nutrition</i> , <b>2006</b> , 21, 101-107	0.4	1
7	Body Composition, Adipose Tissue, and Energy Balance <b>2011</b> , 441-449		1
6	Mouse models of growth hormone insensitivity. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2021</b> , 22, 17-29	10.5	1
5	Regulation of 11 $\beta$ HSD1 by GH/IGF-1 in key metabolic tissues may contribute to metabolic disease in GH deficient patients. <i>Growth Hormone and IGF Research</i> , <b>2021</b> , 62, 101440	2	0
4	Growth hormone impact on adipose tissue and aging. <i>Current Opinion in Endocrine and Metabolic Research</i> , <b>2019</b> , 5, 45-57	1.7	
3	Obesity and the Growth Hormone Axis <b>2018</b> , 321-344		
2	Total and high molecular weight adiponectin levels in mice with altered GH signaling. <i>FASEB Journal</i> , <b>2010</b> , 24, 547.1	0.9	
1	Growth Hormone and Translational Research: From the Bench to the Bedside <i>Endocrinology and Metabolism</i> , <b>2011</b> , 26, 285	3.5	