

# Pamela L Mellon

## List of Publications by Year in descending order

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133  
docs citations

133  
times ranked

4752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immortalization of hypothalamic GnRH by genetically targeted tumorigenesis. <i>Neuron</i> , 1990, 5, 1-10.	3.8	989
2	Cell Lines of the Pituitary Gonadotrope Lineage Derived by Targeted Oncogenesis in Transgenic Mice. <i>Molecular Endocrinology</i> , 1990, 4, 597-603.	3.7	479
3	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. <i>Nature</i> , 2018, 558, 301-306.	13.7	359
4	Loss-of-function mutation in the <i>prokineticin 2</i> gene causes Kallmann syndrome and normosmic idiopathic hypogonadotropic hypogonadism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17447-17452.	3.3	245
5	Cell-Specific Transcriptional Regulation of Follicle-Stimulating Hormone- $\beta$ by Activin and Gonadotropin-Releasing Hormone in the L <sup>1210</sup> Pituitary Gonadotrope Cell Model. <i>Endocrinology</i> , 2001, 142, 2284-2295.	1.4	181
6	Circadian Gene Expression Regulates Pulsatile Gonadotropin-Releasing Hormone (GnRH) Secretory Patterns in the Hypothalamic GnRH-Secreting GT1-7 Cell Line. <i>Journal of Neuroscience</i> , 2003, 23, 11202-11213.	1.7	146
7	A Novel Letrozole Model Recapitulates Both the Reproductive and Metabolic Phenotypes of Polycystic Ovary Syndrome in Female Mice. <i>Biology of Reproduction</i> , 2015, 93, 69.	1.2	145
8	Hormones in synergy: Regulation of the pituitary gonadotropin genes. <i>Molecular and Cellular Endocrinology</i> , 2010, 314, 192-203.	1.6	143
9	Impaired Adrenocorticotropin-Adrenal Axis in Combined Pituitary Hormone Deficiency Caused by a Two-Base Pair Deletion (301delAG) in the <i>Prophet of Pit-1</i> Gene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 390-397.	1.8	119
10	A Novel AP-1 Site Is Critical for Maximal Induction of the Follicle-stimulating Hormone $\beta$ Gene by Gonadotropin-releasing Hormone. <i>Journal of Biological Chemistry</i> , 2004, 279, 152-162.	1.6	113
11	Activin Regulation of the Follicle-Stimulating Hormone $\beta$ -Subunit Gene Involves Smads and the TALE Homeodomain Proteins Pbx1 and Prep1. <i>Molecular Endocrinology</i> , 2004, 18, 1158-1170.	3.7	103
12	Absent Progesterone Signaling in Kisspeptin Neurons Disrupts the LH Surge and Impairs Fertility in Female Mice. <i>Endocrinology</i> , 2015, 156, 3091-3097.	1.4	92
13	Metabolism of Pro-Luteinizing Hormone-Releasing Hormone in Immortalized Hypothalamic Neurons*. <i>Endocrinology</i> , 1991, 129, 1584-1595.	1.4	82
14	The <i>Otx2</i> Homeoprotein Regulates Expression from the Gonadotropin-Releasing Hormone Proximal Promoter. <i>Molecular Endocrinology</i> , 2000, 14, 1246-1256.	3.7	80
15	Developmental Regulation of Gonadotropin-releasing Hormone Gene Expression by the <i>MSX</i> and <i>DLX</i> Homeodomain Protein Families. <i>Journal of Biological Chemistry</i> , 2005, 280, 19156-19165.	1.6	79
16	Transcription Factors Oct-1 and C/EBP $\beta$ (CCAAT/Enhancer-Binding Protein- $\beta$ ) Are Involved in the Glutamate/Nitric Oxide/cyclic-Guanosine 5'-Monophosphate-Mediated Repression of Gonadotropin-Releasing Hormone Gene Expression. <i>Molecular Endocrinology</i> , 2000, 14, 212-228.	3.7	77
17	Androgens, Progestins, and Glucocorticoids Induce Follicle-Stimulating Hormone $\beta$ -Subunit Gene Expression at the Level of the Gonadotrope. <i>Molecular Endocrinology</i> , 2006, 20, 2062-2079.	3.7	69
18	Hypothalamic Dysregulation and Infertility in Mice Lacking the Homeodomain Protein <i>Six6</i> . <i>Journal of Neuroscience</i> , 2011, 31, 426-438.	1.7	66

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19	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. <i>Molecular Cell</i> , 2015, 59, 931-940.	4.5	66
20	Transcriptional Activation of the Ovine Follicle-Stimulating Hormone- $\beta$ Gene by Gonadotropin-Releasing Hormone Involves Multiple Signal Transduction Pathways. <i>Endocrinology</i> , 2002, 143, 1651-1659.	1.4	65
21	A unique case of combined pituitary hormone deficiency caused by a PROP1 gene mutation (R120C) associated with normal height and absent puberty. <i>Clinical Endocrinology</i> , 2002, 57, 283-291.	1.2	65
22	p38 Mitogen-Activated Protein Kinase Is Critical for Synergistic Induction of the FSH $\beta$ Gene by Gonadotropin-Releasing Hormone and Activin through Augmentation of c-Fos Induction and Smad Phosphorylation. <i>Molecular Endocrinology</i> , 2007, 21, 3071-3086.	3.7	64
23	FoxL2 Is Required for Activin Induction of the Mouse and Human Follicle-Stimulating Hormone $\beta$ -Subunit Genes. <i>Molecular Endocrinology</i> , 2010, 24, 1037-1051.	3.7	64
24	Nuclear Factor Y and Steroidogenic Factor 1 Physically and Functionally Interact to Contribute to Cell-Specific Expression of the Mouse Follicle-Stimulating Hormone- $\beta$ Gene. <i>Molecular Endocrinology</i> , 2003, 17, 1470-1483.	3.7	62
25	Oct-1 Binds Promoter Elements Required for Transcription of the GnRH Gene. <i>Molecular Endocrinology</i> , 1998, 12, 469-481.	3.7	61
26	An $\alpha$ -Subunit-Secreting Cell Line Derived from a Mouse Thyrotrope Tumor. <i>Molecular Endocrinology</i> , 1990, 4, 589-596.	3.7	59
27	Antiandrogen Treatment Ameliorates Reproductive and Metabolic Phenotypes in the Letrozole-Induced Mouse Model of PCOS. <i>Endocrinology</i> , 2018, 159, 1734-1747.	1.4	56
28	Activin Regulates Luteinizing Hormone $\beta$ -Subunit Gene Expression through Smad-Binding and Homeobox Elements. <i>Molecular Endocrinology</i> , 2005, 19, 2610-2623.	3.7	55
29	The Basic Helix-Loop-Helix, Leucine Zipper Transcription Factor, USF (Upstream Stimulatory Factor), Is a Key Regulator of SF-1 (Steroidogenic Factor-1) Gene Expression in Pituitary Gonadotrope and Steroidogenic Cells. <i>Molecular Endocrinology</i> , 1998, 12, 714-726.	3.7	53
30	Mouse GnRH Receptor Gene Expression Is Mediated by the LHX3 Homeodomain Protein. <i>Endocrinology</i> , 2005, 146, 2180-2185.	1.4	52
31	Activin and Glucocorticoids Synergistically Activate Follicle-Stimulating Hormone $\beta$ -Subunit Gene Expression in the Immortalized L $\beta$ T2 Gonadotrope Cell Line. <i>Endocrinology</i> , 2007, 148, 762-773.	1.4	49
32	TALE Homeodomain Proteins Regulate Gonadotropin-releasing Hormone Gene Expression Independently and via Interactions with Oct-1. <i>Journal of Biological Chemistry</i> , 2004, 279, 30287-30297.	1.6	48
33	Androgen Regulates Follicle-Stimulating Hormone $\beta$ Gene Expression in an Activin-Dependent Manner in Immortalized Gonadotropes. <i>Molecular Endocrinology</i> , 2004, 18, 925-940.	3.7	47
34	The Groucho-related Gene Family Regulates the Gonadotropin-releasing Hormone Gene through Interaction with the Homeodomain Proteins MSX1 and OCT1. <i>Journal of Biological Chemistry</i> , 2005, 280, 30975-30983.	1.6	47
35	Prenatal Exposure to Low Levels of Androgen Accelerates Female Puberty Onset and Reproductive Senescence in Mice. <i>Endocrinology</i> , 2012, 153, 4522-4532.	1.4	47
36	Homeodomain Proteins SIX3 and SIX6 Regulate Gonadotrope-specific Genes During Pituitary Development. <i>Molecular Endocrinology</i> , 2015, 29, 842-855.	3.7	47

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37	Neuron-Specific Expression of the Rat Gonadotropin-Releasing Hormone Gene Is Conferred by Interactions of a Defined Promoter Element with the Enhancer in GT1 $\alpha$ 7 Cells. <i>Molecular Endocrinology</i> , 2000, 14, 1509-1522.	3.7	46
38	The GnRH promoter: Target of transcription factors, hormones, and signaling pathways. <i>Molecular and Cellular Endocrinology</i> , 1998, 140, 151-155.	1.6	45
39	GnRH Induces the c-Fos Gene via Phosphorylation of SRF by the Calcium/Calmodulin Kinase II Pathway. <i>Molecular Endocrinology</i> , 2011, 25, 669-680.	3.7	45
40	The Thyrotropin $\beta$ -Subunit Gene Is Repressed by Thyroid Hormone in a Novel Thyrotrope Cell Line, Mouse T1 $\pm$ T1 Cells**This work was supported by NIH Research Grants R01-HD-20377 and HD-12303 (to P.L.M.) and R01-DK-36843 (to E.C.R.); fellowships from the Spanish Ministry of Education and Science and Fundacion Jaime del Amo, Universidad Complutense de Madrid, Spain (to B.Y.); and a Ford Foundation Fellowship, the President $\alpha$ 's Fellowship of the University of California, and NIH National Research Scientist Award Fel. <i>Endocrinology</i> , 1998, 139, 4476-4482.	1.4	43
41	An Otx-Related Homeodomain Protein Binds an LH $\beta$ Promoter Element Important for Activation During Gonadotrope Maturation. <i>Molecular Endocrinology</i> , 2002, 16, 1280-1298.	3.7	41
42	Neuron-Specific Expression in Vivo by Defined Transcription Regulatory Elements of the GnRH Gene. <i>Endocrinology</i> , 2002, 143, 1404-1412.	1.4	41
43	Activin Modulates the Transcriptional Response of LH $\beta$ T2 Cells to Gonadotropin-Releasing Hormone and Alters Cellular Proliferation. <i>Molecular Endocrinology</i> , 2006, 20, 2909-2930.	3.7	40
44	Multiple Factors Interacting at the GATA Sites of the Gonadotropin-Releasing Hormone Neuron-Specific Enhancer Regulate Gene Expression. <i>Molecular Endocrinology</i> , 1998, 12, 364-377.	3.7	38
45	A FoxL in the Smad house: activin regulation of FSH. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 562-568.	3.1	38
46	Aberrant Development of the Suprachiasmatic Nucleus and Circadian Rhythms in Mice Lacking the Homeodomain Protein Six6. <i>Journal of Biological Rhythms</i> , 2013, 28, 15-25.	1.4	38
47	Bmal1 Is Required for Normal Reproductive Behaviors in Male Mice. <i>Endocrinology</i> , 2016, 157, 4914-4929.	1.4	37
48	Expression of GATA-4 in migrating gonadotropin-releasing neurons of the developing mouse. <i>Molecular and Cellular Endocrinology</i> , 1998, 140, 157-161.	1.6	36
49	Heterozygous Deletion of Ventral Anterior Homeobox (Vax1) Causes Subfertility in Mice. <i>Endocrinology</i> , 2014, 155, 4043-4053.	1.4	36
50	Influence of stress-induced intermediates on gonadotropin gene expression in gonadotrope cells. <i>Molecular and Cellular Endocrinology</i> , 2014, 385, 71-77.	1.6	36
51	Cell-Specific Transcriptional Regulation of Follicle-Stimulating Hormone- $\beta$ by Activin and Gonadotropin-Releasing Hormone in the LH $\beta$ T2 Pituitary Gonadotrope Cell Model. , 0, .		36
52	Discrete stages of anterior pituitary differentiation recapitulated in immortalized cell lines. <i>Molecular and Cellular Endocrinology</i> , 1998, 140, 25-30.	1.6	34
53	Deletion of <i>Vax1</i> from Gonadotropin-Releasing Hormone (GnRH) Neurons Abolishes GnRH Expression and Leads to Hypogonadism and Infertility. <i>Journal of Neuroscience</i> , 2016, 36, 3506-3518.	1.7	34
54	Msx1 Homeodomain Protein Represses the $\beta$ GSU and GnRH Receptor Genes During Gonadotrope Development. <i>Molecular Endocrinology</i> , 2013, 27, 422-436.	3.7	33

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55	Expression of Ptx1 in the adult rat pituitary glands and pituitary cell lines: hormone-secreting cells and folliculo-stellate cells. <i>Cell and Tissue Research</i> , 1999, 298, 55-61.	1.5	32
56	Synergistic Induction of Follicle-Stimulating Hormone $\beta$ -Subunit Gene Expression by Gonadal Steroid Hormone Receptors and Smad Proteins. <i>Endocrinology</i> , 2008, 149, 1091-1102.	1.4	32
57	Dynamic Chromatin Modifications Control GnRH Gene Expression during Neuronal Differentiation and Protein Kinase C Signal Transduction. <i>Molecular Endocrinology</i> , 2011, 25, 460-473.	3.7	30
58	Otx2 Induction of the Gonadotropin-releasing Hormone Promoter Is Modulated by Direct Interactions with Grg Co-repressors. <i>Journal of Biological Chemistry</i> , 2009, 284, 16966-16978.	1.6	29
59	Enhancers of GnRH Transcription Embedded in an Upstream Gene Use Homeodomain Proteins to Specify Hypothalamic Expression. <i>Molecular Endocrinology</i> , 2010, 24, 1949-1964.	3.7	29
60	Progesterone Inhibits Basal and Gonadotropin-Releasing Hormone Induction of Luteinizing Hormone $\beta$ -Subunit Gene Expression. <i>Endocrinology</i> , 2009, 150, 2395-2403.	1.4	28
61	Gene dosage of Otx2 is important for fertility in male mice. <i>Molecular and Cellular Endocrinology</i> , 2013, 377, 16-22.	1.6	28
62	Phylogenetic Footprinting Reveals Evolutionarily Conserved Regions of the Gonadotropin-Releasing Hormone Gene that Enhance Cell-Specific Expression. <i>Molecular Endocrinology</i> , 2004, 18, 2950-2966.	3.7	26
63	The Contribution of the Circadian Gene Bmal1 to Female Fertility and the Generation of the Preovulatory Luteinizing Hormone Surge. <i>Journal of the Endocrine Society</i> , 2019, 3, 716-733.	0.1	24
64	Neuron-Restricted Expression of the Rat Gonadotropin-Releasing Hormone Gene Is Conferred by a Cell-Specific Protein Complex that Binds Repeated CAATT Elements. <i>Molecular Endocrinology</i> , 2002, 16, 2413-2425.	3.7	21
65	Neural Tissue within Anterior Pituitary Tumors Generated by Oncogene Expression in Transgenic Mice. <i>Neuroendocrinology</i> , 1992, 56, 300-311.	1.2	19
66	Neurokinin B Causes Acute GnRH Secretion and Repression of GnRH Transcription in GT1 $\alpha$ GnRH Neurons. <i>Molecular Endocrinology</i> , 2013, 27, 437-454.	3.7	19
67	FSHB Transcription is Regulated by a Novel $\beta$ Distal Enhancer With a Fertility-Associated Single Nucleotide Polymorphism. <i>Endocrinology</i> , 2021, 162, .	1.4	19
68	The Protein Kinase C Pathway Acts through Multiple Transcription Factors to Repress Gonadotropin-Releasing Hormone Gene Expression in Hypothalamic GT1 $\alpha$ Neuronal Cells. <i>Molecular Endocrinology</i> , 2005, 19, 2769-2779.	3.7	17
69	NeuroD1 and Mash1 temporally regulate GnRH receptor gene expression in immortalized mouse gonadotrope cells. <i>Molecular and Cellular Endocrinology</i> , 2008, 295, 106-114.	1.6	17
70	Helix-loop-helix proteins are present and differentially expressed in different cell lines from the anterior pituitary. <i>Molecular and Cellular Endocrinology</i> , 1993, 96, 167-176.	1.6	16
71	Androgen Receptor Repression of GnRH Gene Transcription. <i>Molecular Endocrinology</i> , 2012, 26, 2-13.	3.7	16
72	Haploinsufficiency of SIX3 Abolishes Male Reproductive Behavior Through Disrupted Olfactory Development, and Impairs Female Fertility Through Disrupted GnRH Neuron Migration. <i>Molecular Neurobiology</i> , 2018, 55, 8709-8727.	1.9	16

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73	Pituitary tumorigenesis targeted by the ovine follicle-stimulating hormone $\beta$ -subunit gene regulatory region in transgenic mice. <i>Molecular and Cellular Endocrinology</i> , 2003, 203, 169-183.	1.6	15
74	Roles of Binding Elements, FOXL2 Domains, and Interactions With cJUN and SMADs in Regulation of FSH $\beta$ . <i>Molecular Endocrinology</i> , 2014, 28, 1640-1655.	3.7	15
75	Immortalized Hypothalamic Gonadotropin-Releasing Hormone Neurons. <i>Novartis Foundation Symposium</i> , 1992, 168, 104-126.	1.2	13
76	Runt-Related Transcription Factors Impair Activin Induction of the Follicle-Stimulating Hormone $\beta$ -Subunit Gene. <i>Endocrinology</i> , 2010, 151, 2669-2680.	1.4	13
77	Neurokinin B Induces c-fos Transcription via Protein Kinase C and Activation of Serum Response Factor and Elk-1 in Immortalized GnRH Neurons. <i>Endocrinology</i> , 2014, 155, 3909-3919.	1.4	13
78	Cytogenetic, Genomic, and Functional Characterization of Pituitary Gonadotrope Cell Lines. <i>Journal of the Endocrine Society</i> , 2019, 3, 902-920.	0.1	13
79	Differential CRE Expression in Lhrh-cre and GnRH-cre Alleles and the Impact on Fertility in Otx2-Flox Mice. <i>Neuroendocrinology</i> , 2019, 108, 328-342.	1.2	13
80	The Homeodomain Transcription Factors Vax1 and Six6 Are Required for SCN Development and Function. <i>Molecular Neurobiology</i> , 2020, 57, 1217-1232.	1.9	13
81	Haploinsufficiency of Homeodomain Proteins Six3, Vax1, and Otx2 Causes Subfertility in Mice via Distinct Mechanisms. <i>Neuroendocrinology</i> , 2019, 109, 200-207.	1.2	12
82	The transcription factors SIX3 and VAX1 are required for suprachiasmatic nucleus circadian output and fertility in female mice. <i>Journal of Neuroscience Research</i> , 2021, 99, 2625-2645.	1.3	12
83	Reproductive Deficits Induced by Prenatal Antimüllerian Hormone Exposure Require Androgen Receptor in Kisspeptin Cells. <i>Endocrinology</i> , 2021, 162, .	1.4	12
84	Submandibular Gland Adenocarcinoma of Intercalated Duct Origin in Smgb-Tag Mice. <i>Laboratory Investigation</i> , 2000, 80, 1657-1670.	1.7	11
85	Transcriptional interaction between cFOS and the homeodomain-binding transcription factor VAX1 on the GnRH promoter controls Gnrh1 expression levels in a GnRH neuron maturation specific manner. <i>Molecular and Cellular Endocrinology</i> , 2018, 461, 143-154.	1.6	11
86	Deletion of the Homeodomain Protein Six6 From GnRH Neurons Decreases GnRH Gene Expression, Resulting in Infertility. <i>Endocrinology</i> , 2019, 160, 2151-2164.	1.4	11
87	A Novel Gonadotropin-Releasing Hormone 1 (Gnrh1) Enhancer-Derived Noncoding RNA Regulates Gnrh1 Gene Expression in GnRH Neuronal Cell Models. <i>PLoS ONE</i> , 2016, 11, e0158597.	1.1	10
88	Stem cell regionalization during olfactory bulb neurogenesis depends on regulatory interactions between Vax1 and Pax6. <i>ELife</i> , 2020, 9, .	2.8	10
89	Circadian Rhythms in the Neuronal Network Timing the Luteinizing Hormone Surge. <i>Endocrinology</i> , 2022, 163, .	1.4	10
90	Chromatin status and transcription factor binding to gonadotropin promoters in gonadotrope cell lines. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 86.	1.4	8

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91	GLUT1-mediated glycolysis supports GnRH-induced secretion of luteinizing hormone from female gonadotropes. <i>Scientific Reports</i> , 2020, 10, 13063.	1.6	7
92	Growth Hormone Pulses and Liver Gene Expression Are Differentially Regulated by the Circadian Clock Gene <i>Bmal1</i> . <i>Endocrinology</i> , 2021, 162, .	1.4	7
93	Kiss1 is differentially regulated in male and female mice by the homeodomain transcription factor VAX1. <i>Molecular and Cellular Endocrinology</i> , 2021, 534, 111358.	1.6	6
94	A small population of hypothalamic neurons govern fertility: the critical role of VAX1 in GnRH neuron development and fertility maintenance. <i>Neuroscience Communications</i> , 2016, 2, .	0.0	6
95	Androgen receptor repression of gonadotropin-releasing hormone gene transcription via enhancer 1. <i>Molecular and Cellular Endocrinology</i> , 2012, 363, 92-99.	1.6	5
96	Distal Enhancer Potentiates Activin- and GnRH-Induced Transcription of FSHB. <i>Endocrinology</i> , 2021, 162, .	1.4	4
97	Androgen receptor positively regulates gonadotropin-releasing hormone receptor in pituitary gonadotropes. <i>Molecular and Cellular Endocrinology</i> , 2021, 530, 111286.	1.6	3
98	Deletion of <i>Six3</i> in post-proliferative neurons produces weakened SCN circadian output, improved metabolic function, and dwarfism in male mice. <i>Molecular Metabolism</i> , 2022, 57, 101431.	3.0	3
99	The Transcription Factor Ventral Anterior Homeobox 1 Modulates Circadian Time-Keeping and Fertility Through Direct Regulation of Vasoactive Intestinal Polypeptide Expression in the Suprachiasmatic Nucleus. <i>Journal of the Endocrine Society</i> , 2021, 5, A556-A556.	0.1	1
100	Deletion of the homeodomain gene <i>Six3</i> from kisspeptin neurons causes subfertility in female mice. <i>Molecular and Cellular Endocrinology</i> , 2022, 546, 111577.	1.6	0