

# Daniel J Bernard

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Androgen Receptor, Estrogen Receptor $\alpha$ , and Estrogen Receptor $\beta$ Show Distinct Patterns of Expression in Forebrain Song Control Nuclei of European Starlings <sup>1</sup> . <i>Endocrinology</i> , 1999, 140, 4633-4643.	1.4	174
2	Loss-of-function mutations in IGSF1 cause an X-linked syndrome of central hypothyroidism and testicular enlargement. <i>Nature Genetics</i> , 2012, 44, 1375-1381.	9.4	169
3	The structure of myostatin: follistatin 288: insights into receptor utilization and heparin binding. <i>EMBO Journal</i> , 2009, 28, 2662-2676.	3.5	148
4	Both SMAD2 and SMAD3 Mediate Activin-Stimulated Expression of the Follicle-Stimulating Hormone $\beta$ Subunit in Mouse Gonadotrope Cells. <i>Molecular Endocrinology</i> , 2004, 18, 606-623.	3.7	133
5	Seasonal Plasticity in the Song Control System: Multiple Brain Sites of Steroid Hormone Action and the Importance of Variation in Song Behavior. <i>Annals of the New York Academy of Sciences</i> , 2004, 1016, 586-610.	1.8	128
6	Biphasic Effects of Postnatal Exposure to Diethylhexylphthalate on the Timing of Puberty in Male Rats. <i>Journal of Andrology</i> , 2007, 28, 513-520.	2.0	128
7	Mechanisms of FSH synthesis: what we know, what we don't, and why you should care. <i>Fertility and Sterility</i> , 2010, 93, 2465-2485.	0.5	123
8	Photoperiodic Condition Modulates the Effects of Testosterone on Song Control Nuclei Volumes in Male European Starlings. <i>General and Comparative Endocrinology</i> , 1997, 105, 276-283.	0.8	92
9	Structural basis for potency differences between GDF8 and GDF11. <i>BMC Biology</i> , 2017, 15, 19.	1.7	90
10	Structure and Expression of a Membrane Component of the Inhibin Receptor System <sup>1</sup> . <i>Endocrinology</i> , 2000, 141, 2600-2607.	1.4	84
11	Activator Protein-1 and Smad Proteins Synergistically Regulate Human Follicle-Stimulating Hormone $\beta$ -Promoter Activity. <i>Endocrinology</i> , 2008, 149, 5577-5591.	1.4	81
12	Age- and behavior-related variation in volumes of song control nuclei in male European starlings. , 1996, 30, 329-339.		80
13	Properties of inhibin binding to betaglycan, InhBP/p120 and the activin type II receptors. <i>Molecular and Cellular Endocrinology</i> , 2002, 196, 79-93.	1.6	80
14	A Novel Role for the Forkhead Transcription Factor FOXL2 in Activin A-Regulated Follicle-Stimulating Hormone $\beta$ Subunit Transcription. <i>Molecular Endocrinology</i> , 2009, 23, 1001-1013.	3.7	78
15	Testis-dependent and -independent effects of photoperiod on volumes of song control nuclei in American tree sparrows ( <i>Spizella arborea</i> ). <i>Brain Research</i> , 1997, 760, 163-169.	1.1	75
16	Two histological markers reveal a similar photoperiodic difference in the volume of the high vocal center in male European starlings. <i>Journal of Comparative Neurology</i> , 1995, 360, 726-734.	0.9	73
17	Follicle-stimulating hormone synthesis and fertility depend on SMAD4 and FOXL2. <i>FASEB Journal</i> , 2014, 28, 3396-3410.	0.2	68
18	Acute regulation of murine follicle-stimulating hormone $\beta$ subunit transcription by activin A. <i>Journal of Molecular Endocrinology</i> , 2006, 36, 201-220.	1.1	66

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19	Sexual dimorphism in the volume of song control nuclei in European starlings: Assessment by a Nissl stain and autoradiography for muscarinic cholinergic receptors. <i>Journal of Comparative Neurology</i> , 1993, 334, 559-570.	0.9	65
20	Impaired Fertility and FSH Synthesis in Gonadotrope-Specific Foxl2 Knockout Mice. <i>Molecular Endocrinology</i> , 2013, 27, 407-421.	3.7	64
21	Sex differences in the volume of avian song control nuclei: Comparative studies and the issue of brain nucleus delineation. <i>Psychoneuroendocrinology</i> , 1994, 19, 485-504.	1.3	62
22	SMADs and FOXL2 Synergistically Regulate Murine FSH $\beta$ Transcription Via a Conserved Proximal Promoter Element. <i>Molecular Endocrinology</i> , 2011, 25, 1170-1183.	3.7	61
23	Activin B can signal through both ALK4 and ALK7 in gonadotrope cells. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 52.	1.4	60
24	Auditory discrimination of chord-based spectral structures by European starlings ( <i>Sturnus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	1.5	59
25	Gonadal steroid receptor mRNA in catecholaminergic nuclei of the canary brainstem. <i>Neuroscience Letters</i> , 2001, 311, 189-192.	1.0	54
26	Minireview: Inhibin Binding Protein (InhBP/p120), Betaglycan, and the Continuing Search for the Inhibin Receptor. <i>Molecular Endocrinology</i> , 2002, 16, 207-212.	3.7	52
27	Bone morphogenetic protein 2 and activin A synergistically stimulate follicle-stimulating hormone $\beta$ subunit transcription. <i>Journal of Molecular Endocrinology</i> , 2007, 38, 315-330.	1.1	52
28	Androgen Receptor, Estrogen Receptor $\alpha$ , and Estrogen Receptor $\beta$ Show Distinct Patterns of Expression in Forebrain Song Control Nuclei of European Starlings. , 0, .		49
29	Photoperiodic Effects on Gonadotropin-Releasing Hormone (GnRH) Content and the GnRH-Immunoreactive Neuronal System of Male Siberian Hamsters I. <i>Biology of Reproduction</i> , 1999, 60, 272-276.	1.2	42
30	Minireview: Activin Signaling in Gonadotropes: What Does the FOX say to the SMAD?. <i>Molecular Endocrinology</i> , 2015, 29, 963-977.	3.7	42
31	Inhibin Binding Protein in Rats: Alternative Transcripts and Regulation in the Pituitary across the Estrous Cycle. <i>Molecular Endocrinology</i> , 2001, 15, 654-667.	3.7	41
32	SMAD3 Regulates Follicle-stimulating Hormone Synthesis by Pituitary Gonadotrope Cells in Vivo. <i>Journal of Biological Chemistry</i> , 2017, 292, 2301-2314.	1.6	41
33	Activin A Regulates Porcine Follicle-Stimulating Hormone $\beta$ -Subunit Transcription via Cooperative Actions of SMADs and FOXL2. <i>Endocrinology</i> , 2010, 151, 5456-5467.	1.4	40
34	Betaglycan (TGFBR3) Functions as an Inhibin A, but Not Inhibin B, Coreceptor in Pituitary Gonadotrope Cells in Mice. <i>Endocrinology</i> , 2018, 159, 4077-4091.	1.4	40
35	Normal Reproductive Function in InhBP/p120-Deficient Mice. <i>Molecular and Cellular Biology</i> , 2003, 23, 4882-4891.	1.1	38
36	Three Novel <i>IGSF1</i> Mutations in Four Japanese Patients With X-Linked Congenital Central Hypothyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1682-E1691.	1.8	38

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37	Single nucleus multi-omics regulatory landscape of the murine pituitary. <i>Nature Communications</i> , 2021, 12, 2677.	5.8	38
38	Bone Morphogenetic Protein 2 Stimulates Noncanonical SMAD2/3 Signaling via the BMP Type 1A Receptor in Gonadotrope-Like Cells: Implications for FSH Synthesis. <i>Endocrinology</i> , 2014, 155, 1970-1981.	1.4	37
39	Steroid Sensitive Sites in the Avian Brain: Does the Distribution of the Estrogen Receptor $\hat{1}\alpha$ and $\hat{1}\beta$ Types Provide Insight into Their Function?. <i>Brain, Behavior and Evolution</i> , 1999, 54, 28-40.	0.9	35
40	An Internal Signal Sequence Directs Intramembrane Proteolysis of a Cellular Immunoglobulin Domain Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 36369-36376.	1.6	35
41	Paired-Like Homeodomain Transcription Factors 1 and 2 Regulate Follicle-Stimulating Hormone $\hat{1}\beta$ -Subunit Transcription through a Conserved cis-Element. <i>Endocrinology</i> , 2008, 149, 3095-3108.	1.4	35
42	Mechanisms of Activin-Stimulated FSH Synthesis: The Story of a Pig and a FOX1. <i>Biology of Reproduction</i> , 2013, 88, 78.	1.2	35
43	Bone Morphogenetic Protein 2 Signals via BMPR1A to Regulate Murine Follicle-Stimulating Hormone Beta Subunit Transcription. <i>Biology of Reproduction</i> , 2009, 81, 133-141.	1.2	34
44	Novel forms of Paired-like homeodomain transcription factor 2 (PITX2): Generation by alternative translation initiation and mRNA splicing. <i>BMC Molecular Biology</i> , 2008, 9, 31.	3.0	32
45	TRH Action Is Impaired in Pituitaries of Male IGSF1-Deficient Mice. <i>Endocrinology</i> , 2017, 158, 815-830.	1.4	32
46	Conservation of mechanisms mediating gonadotrophin-releasing hormone 1 stimulation of human luteinizing hormone $\hat{1}\beta$ subunit transcription. <i>Molecular Human Reproduction</i> , 2009, 15, 77-87.	1.3	30
47	Activins bind and signal via bone morphogenetic protein receptor type II (BMPR2) in immortalized gonadotrope-like cells. <i>Cellular Signalling</i> , 2013, 25, 2717-2726.	1.7	30
48	Photoperiodic Condition Is Associated with Region-Specific Expression of GNRH1 mRNA in the Preoptic Area of the Male Starling ( <i>Sturnus vulgaris</i> ). <i>Biology of Reproduction</i> , 2009, 81, 674-680.	1.2	29
49	$\hat{G}\hat{1}\hat{2}\hat{1}\hat{3}$ is a negative regulator of AP-1 mediated transcription. <i>Cellular Signalling</i> , 2010, 22, 1254-1266.	1.7	29
50	IGSF1 deficiency syndrome. <i>Rare Diseases (Austin, Tex )</i> , 2013, 1, e24883.	1.8	29
51	Spatial and temporal expression of immunoglobulin superfamily member 1 in the rat. <i>Journal of Endocrinology</i> , 2015, 226, 181-191.	1.2	28
52	Differential Regulation of Pituitary Gonadotropin Subunit Messenger Ribonucleic Acid Levels in Photostimulated Siberian Hamsters. <i>Biology of Reproduction</i> , 2000, 62, 155-161.	1.2	27
53	Follicle-stimulating hormone synthesis and fertility are intact in mice lacking SMAD3 DNA binding activity and SMAD2 in gonadotrope cells. <i>FASEB Journal</i> , 2014, 28, 1474-1485.	0.2	27
54	Single nucleus transcriptome and chromatin accessibility of postmortem human pituitaries reveal diverse stem cell regulatory mechanisms. <i>Cell Reports</i> , 2022, 38, 110467.	2.9	27

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55	Conditional Deletion of FOXL2 and SMAD4 in Gonadotropes of Adult Mice Causes Isolated FSH Deficiency. <i>Endocrinology</i> , 2018, 159, 2641-2655.	1.4	26
56	Mechanisms of bone morphogenetic protein 2 (BMP2) stimulated inhibitor of DNA binding 3 (Id3) transcription. <i>Molecular and Cellular Endocrinology</i> , 2011, 332, 242-252.	1.6	25
57	Delayed Adrenarche may be an Additional Feature of Immunoglobulin Super Family Member 1 Deficiency Syndrome. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , 2016, 8, 86-91.	0.4	25
58	An emerging role for co-receptors in inhibin signal transduction. <i>Molecular and Cellular Endocrinology</i> , 2001, 180, 55-62.	1.6	24
59	Mono-(2-ethylhexyl) phthalate (MEHP) regulates glucocorticoid metabolism through 11 $\beta$ -hydroxysteroid dehydrogenase 2 in murine gonadotrope cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 305-309.	1.0	24
60	Activin A induction of FSH $\beta$ subunit transcription requires SMAD4 in immortalized gonadotropes. <i>Journal of Molecular Endocrinology</i> , 2010, 44, 349-362.	1.1	23
61	Familial Central Hypothyroidism Caused by a Novel <i>IGSF1</i> Gene Mutation. <i>Thyroid</i> , 2016, 26, 1693-1700.	2.4	23
62	NR5A2 Regulates Lhb and Fshb Transcription in Gonadotrope-Like Cells In Vitro, but Is Dispensable for Gonadotropin Synthesis and Fertility In Vivo. <i>PLoS ONE</i> , 2013, 8, e59058.	1.1	22
63	Pituitary Hormone Secretion Profiles in IGSF1 Deficiency Syndrome. <i>Neuroendocrinology</i> , 2016, 103, 408-416.	1.2	22
64	IGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e70-e84.	1.8	22
65	Differential regulation of follicle stimulating hormone by activin A and TGFB1 in murine gonadotropes. <i>Reproductive Biology and Endocrinology</i> , 2005, 3, 73.	1.4	21
66	From Consternation to Revelation: Discovery of a Role for IGSF1 in Pituitary Control of Thyroid Function. <i>Journal of the Endocrine Society</i> , 2018, 2, 220-231.	0.1	21
67	Single-cell stabilization method identifies gonadotrope transcriptional dynamics and pituitary cell type heterogeneity. <i>Nucleic Acids Research</i> , 2018, 46, 11370-11380.	6.5	21
68	TGFBR3L is an inhibin B co-receptor that regulates female fertility. <i>Science Advances</i> , 2021, 7, eabl4391.	4.7	21
69	The orphan ligand, activin C, signals through activin receptor-like kinase 7. <i>ELife</i> , 0, 11, .	2.8	21
70	Development of a Highly Sensitive ELISA for Measurement of FSH in Serum, Plasma, and Whole Blood in Mice. <i>Endocrinology</i> , 2021, 162, .	1.4	20
71	Age-Related Changes in the Photoperiodic Response of Siberian Hamsters <sup>1</sup> . <i>Biology of Reproduction</i> , 1997, 57, 172-177.	1.2	19
72	Photoperiod-dependent regulation of gonadotropin-releasing hormone 1 messenger ribonucleic acid levels in the songbird brain. <i>General and Comparative Endocrinology</i> , 2013, 190, 81-87.	0.8	19

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73	IGSF1 variants in boys with familial delayed puberty. <i>European Journal of Pediatrics</i> , 2015, 174, 687-692.	1.3	19
74	Bone Morphogenetic Protein 2 Acts via Inhibitor of DNA Binding Proteins to Synergistically Regulate Follicle-Stimulating Hormone $\beta$ Transcription with Activin A. <i>Endocrinology</i> , 2010, 151, 3445-3453.	1.4	17
75	$\beta$ -Catenin Stabilization in Gonadotropes Impairs FSH Synthesis in Male Mice In Vivo. <i>Endocrinology</i> , 2015, 156, 323-333.	1.4	17
76	Murine FSH Production Depends on the Activin Type II Receptors ACVR2A and ACVR2B. <i>Endocrinology</i> , 2020, 161, .	1.4	17
77	SMAD3 and EGR1 physically and functionally interact in promoter-specific fashion. <i>Cellular Signalling</i> , 2010, 22, 936-943.	1.7	16
78	Is IGSF1 involved in human pituitary tumor formation?. <i>Endocrine-Related Cancer</i> , 2015, 22, 47-54.	1.6	16
79	A novel IGSF1 mutation in a large Irish kindred highlights the need for familial screening in the IGSF1 deficiency syndrome. <i>Clinical Endocrinology</i> , 2018, 89, 813-823.	1.2	16
80	Activin A induction of murine and ovine follicle-stimulating hormone $\beta$ transcription is SMAD-dependent and TAK1 (MAP3K7)/p38 MAPK-independent in gonadotrope-like cells. <i>Cellular Signalling</i> , 2012, 24, 1632-1640.	1.7	15
81	TGF- $\beta$ Superfamily Regulation of Follicle-Stimulating Hormone Synthesis by Gonadotrope Cells: Is There a Role for Bone Morphogenetic Proteins?. <i>Endocrinology</i> , 2019, 160, 675-683.	1.4	15
82	A Tale of Two Proteins: Betaglycan, IGSF1, and the Continuing Search for the Inhibin B Receptor. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 37-45.	3.1	14
83	Cytogenetic, Genomic, and Functional Characterization of Pituitary Gonadotrope Cell Lines. <i>Journal of the Endocrine Society</i> , 2019, 3, 902-920.	0.1	13
84	Lesions of glucose-responsive neurons impair synchronizing effects of calorie restriction in mice. <i>Brain Research</i> , 1998, 801, 244-250.	1.1	12
85	Sex- and Age-Specific Impact of ERK Loss Within the Pituitary Gonadotrope in Mice. <i>Endocrinology</i> , 2018, 159, 1264-1276.	1.4	12
86	Cycloheximide inhibits follicle-stimulating hormone $\beta$ subunit transcription by blocking de novo synthesis of the labile activin type II receptor in gonadotrope cells. <i>Cellular Signalling</i> , 2013, 25, 1403-1412.	1.7	11
87	The CpG Island in the Murine Foxl2 Proximal Promoter Is Differentially Methylated in Primary and Immortalized Cells. <i>PLoS ONE</i> , 2013, 8, e76642.	1.1	11
88	Activins regulate 17 $\beta$ -hydroxysteroid dehydrogenase type I transcription in murine gonadotrope cells. <i>Journal of Endocrinology</i> , 2009, 201, 89-104.	1.2	9
89	Normal gonadotropin production and fertility in gonadotrope-specific Bmpr1a knockout mice. <i>Journal of Endocrinology</i> , 2016, 229, 331-341.	1.2	9
90	Impaired LH surge amplitude in gonadotrope-specific progesterone receptor knockout mice. <i>Journal of Endocrinology</i> , 2020, 244, 111-122.	1.2	9

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91	Human Follicle-Stimulating Hormone $\beta$ Subunit Expression Depends on FOXL2 and SMAD4. <i>Endocrinology</i> , 2020, 161, .	1.4	8
92	The Hippo Pathway Effectors YAP and TAZ Regulate LH Release by Pituitary Gonadotrope Cells in Mice. <i>Endocrinology</i> , 2022, 163, .	1.4	8
93	A Novel IGSF1 Mutation in a Boy With Short Stature and Hypercholesterolemia: A Case Report. <i>Journal of the Endocrine Society</i> , 2017, 1, 731-736.	0.1	7
94	Gonadotrope-specific deletion of the BMP type 2 receptor does not affect reproductive physiology in mice. <i>Biology of Reproduction</i> , 2020, 102, 639-646.	1.2	7
95	Kisspeptin-54 injection induces a physiological luteinizing hormone surge and ovulation in mice. <i>Biology of Reproduction</i> , 2021, 104, 1181-1183.	1.2	7
96	S100a4-Cre-mediated deletion of Ptch1 causes hypogonadotropic hypogonadism: role of pituitary hematopoietic cells in endocrine regulation. <i>JCI Insight</i> , 2019, 4, .	2.3	7
97	HDAC inhibitors impair Fshb subunit expression in murine gonadotrope cells. <i>Journal of Molecular Endocrinology</i> , 2019, 62, 67-78.	1.1	7
98	Transfer of serial stimulus relations by European starlings ( <i>Sturnus vulgaris</i> ): Loudness.. <i>Journal of Experimental Psychology</i> , 1992, 18, 323-334.	1.9	6
99	Cloning of a novel inhibin alpha cDNA from rhesus monkey testis. <i>Reproductive Biology and Endocrinology</i> , 2004, 2, 71.	1.4	6
100	Anterior Pituitary. , 2020, , 119-144.		6
101	Gold-thioglucose-induced hypothalamic lesions inhibit metabolic modulation of light-induced circadian phase shifts in mice. <i>Brain Research</i> , 1999, 824, 18-27.	1.1	5
102	Inhibin Inactivation in Female Mice Leads to Elevated FSH Levels, Ovarian Overstimulation, and Pregnancy Loss. <i>Endocrinology</i> , 2022, 163, .	1.4	5
103	Deletion of $G\alpha q/11$ or $G\alpha s$ Proteins in Gonadotropes Differentially Affects Gonadotropin Production and Secretion in Mice. <i>Endocrinology</i> , 2022, 163, .	1.4	5
104	Transcription factor GATA2 may potentiate follicle-stimulating hormone production in mice via induction of the BMP antagonist gremlin in gonadotrope cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 102072.	1.6	5
105	Steroidogenic Factor 1 Regulation of the Hypothalamic-Pituitary-Ovarian Axis of Adult Female Mice. <i>Endocrinology</i> , 2022, 163, .	1.4	4
106	SMAD Expression in the Testis Predicts Age- and Cell-Specific Responses to Activin and TGF $\beta$ 2. <i>Journal of Andrology</i> , 2003, 24, 201-203.	2.0	3
107	The short mRNA isoform of the immunoglobulin superfamily, member 1 gene encodes an intracellular glycoprotein. <i>PLoS ONE</i> , 2017, 12, e0180731.	1.1	3
108	IGSF1 Does Not Regulate Spermatogenesis or Modify FSH Synthesis in Response to Inhibins or Activins. <i>Journal of the Endocrine Society</i> , 2021, 5, bvab023.	0.1	2

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109	Genetic Approaches to the Study of Pituitary Follicle-Stimulating Hormone Regulation. , 2001, , 297-317.		2
110	Addition of a carboxy-terminal tail to the normally tailless gonadotropin-releasing hormone receptor impairs fertility in female mice. ELife, 2021, 10, .	2.8	2
111	IGSF1 Deficiency Leads to Reduced TSH Production Independent of Alterations in Thyroid Hormone Action in Male Mice. Endocrinology, 2022, 163, .	1.4	2
112	Disinhibiting an Inhibitor: Genetic Engineering Leads to Improvements in Recombinant Inhibin A Production. Endocrinology, 2016, 157, 2583-2585.	1.4	1
113	Mechanisms of Inhibin Action~†. , 2017, , .		0
114	Activins and Inhibins in Female Reproduction. , 2018, , 202-210.		0
115	Response to Letter to the Editor: â€œIGSF1 Deficiency Results in Human and Murine Somatotrope Neurosecretory Hyperfunctionâ€ Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2315-e2316.	1.8	0
116	Ablation of TGFBR3 (betaglycan) in oocytes does not affect fertility in female mice. Reproduction, 2021, 161, 289-294.	1.1	0
117	Inhibin Receptor Signaling. , 2003, , 297-303.		0
118	DIFFERENTIAL EFFECTS OF MONO-(2-ETHYLHEXYL) PHTHALATE (MEHP) ON HYDROXYSTEROID DEHYDROGENASE ACTIVITIES IN PRIMARY RAT LEYDIG CELLS AND IMMORTALIZED GONADOTROPES. Biology of Reproduction, 2007, 77, 74-74.	1.2	0
119	SAT-414 Cytogenetic, Genomic, and Functional Characterization of Pituitary Gonadotrope Cell Lines. Journal of the Endocrine Society, 2019, 3, .	0.1	0
120	SAT-416 IGSF1 Does Not Regulate FSH Synthesis or Secretion. Journal of the Endocrine Society, 2019, 3, .	0.1	0
121	SAT-546 Discovering the Function of IGSF1 and Its Role in the Hypothalamic-Pituitary-Thyroid Axis. Journal of the Endocrine Society, 2019, 3, .	0.1	0
122	The extant immunoglobulin superfamily, member 1 gene results from an ancestral gene duplication in eutherian mammals. PLoS ONE, 2022, 17, e0267744.	1.1	0