

# Nils Billestrup

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	4,087 citations	31 h-index	63 g-index
71 ext. papers	4,353 ext. citations	5.9 avg, IF	4.63 L-index

#	Paper	IF	Citations
71	The ectopic expression of Pax4 in the mouse pancreas converts progenitor cells into alpha and subsequently beta cells. <i>Cell</i> , <b>2009</b> , 138, 449-62	56.2	421
70	Growth hormone preferentially induces the rapid, transient expression of SOCS-3, a novel inhibitor of cytokine receptor signaling. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 1285-7	5.4	242
69	Growth hormone, interferon-gamma, and leukemia inhibitory factor promoted tyrosyl phosphorylation of insulin receptor substrate-1. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 14685-92	5.4	199
68	Histone deacetylase (HDAC) inhibition as a novel treatment for diabetes mellitus. <i>Molecular Medicine</i> , <b>2011</b> , 17, 378-90	6.2	188
67	Mechanism of inhibition of growth hormone receptor signaling by suppressor of cytokine signaling proteins. <i>Molecular Endocrinology</i> , <b>1999</b> , 13, 1832-43		173
66	Cytokines and beta-cell biology: from concept to clinical translation. <i>Endocrine Reviews</i> , <b>2008</b> , 29, 334-50	27.2	171
65	Proinflammatory cytokines activate the intrinsic apoptotic pathway in beta-cells. <i>Diabetes</i> , <b>2009</b> , 58, 1807-15	0.9	162
64	Suppressor of cytokine Signaling-3 inhibits interleukin-1 signaling by targeting the TRAF-6/TAK1 complex. <i>Molecular Endocrinology</i> , <b>2006</b> , 20, 1587-96		134
63	Biological evidence that SOCS-2 can act either as an enhancer or suppressor of growth hormone signaling. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 40181-4	5.4	130
62	Growth hormone-promoted tyrosyl phosphorylation of SHC proteins and SHC association with Grb2. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 7587-93	5.4	122
61	Mutation of the SHP-2 binding site in growth hormone (GH) receptor prolongs GH-promoted tyrosyl phosphorylation of GH receptor, JAK2, and STAT5B. <i>Molecular Endocrinology</i> , <b>2000</b> , 14, 1338-50		112
60	STAT3-mediated constitutive expression of SOCS-3 in cutaneous T-cell lymphoma. <i>Blood</i> , <b>2001</b> , 97, 1056-62	6.2	110
59	Growth hormone is a growth factor for the differentiated pancreatic beta-cell. <i>Molecular Endocrinology</i> , <b>1989</b> , 3, 165-73		104
58	Beta cell proliferation and growth factors. <i>Journal of Molecular Medicine</i> , <b>1999</b> , 77, 62-6	5.5	102
57	Growth hormone, interferon-gamma, and leukemia inhibitory factor utilize insulin receptor substrate-2 in intracellular signaling. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 29415-21	5.4	102
56	Divalent metal transporter 1 regulates iron-mediated ROS and pancreatic $\beta$ -cell fate in response to cytokines. <i>Cell Metabolism</i> , <b>2012</b> , 16, 449-61	24.6	101
55	The stimulatory effect of growth hormone, prolactin, and placental lactogen on beta-cell proliferation is not mediated by insulin-like growth factor-I. <i>Endocrinology</i> , <b>1991</b> , 129, 883-8	4.8	94

54	Growth hormone and prolactin stimulate the expression of rat preadipocyte factor-1/delta-like protein in pancreatic islets: molecular cloning and expression pattern during development and growth of the endocrine pancreas. <i>Endocrinology</i> , <b>1997</b> , 138, 3940-8	4.8	87
53	Signal transducer and activator of transcription 5 activation is sufficient to drive transcriptional induction of cyclin D2 gene and proliferation of rat pancreatic beta-cells. <i>Molecular Endocrinology</i> , <b>2003</b> , 17, 945-58		87
52	Identification of tyrosine residues in the intracellular domain of the growth hormone receptor required for transcriptional signaling and Stat5 activation. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 12669-73	5.4	84
51	GH receptor signaling in skeletal muscle and adipose tissue in human subjects following exposure to an intravenous GH bolus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 291, E899-905	6	66
50	Identification of phenylalanine 346 in the rat growth hormone receptor as being critical for ligand-mediated internalization and down-regulation. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 17210-4	5.4	65
49	Impact of fetal and neonatal environment on beta cell function and development of diabetes. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , <b>2014</b> , 93, 1109-22	3.8	53
48	CRFR1 is expressed on pancreatic beta cells, promotes beta cell proliferation, and potentiates insulin secretion in a glucose-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 912-7	11.5	53
47	Lysine deacetylase inhibition prevents diabetes by chromatin-independent immunoregulation and B cell protection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1055-9	11.5	49
46	Effects of growth hormone on glucose and fat metabolism in human subjects. <i>Endocrinology and Metabolism Clinics of North America</i> , <b>2007</b> , 36, 75-87	5.5	49
45	Diabetes and suppressors of cytokine signaling proteins. <i>Diabetes</i> , <b>2007</b> , 56, 541-8	0.9	48
44	Growth hormone binding to specific receptors stimulates growth and function of cloned insulin-producing rat insulinoma RIN-5AH cells. <i>Endocrinology</i> , <b>1985</b> , 116, 1175-81	4.8	46
43	Deficient SOCS3 and SHP-1 expression in psoriatic T cells. <i>Journal of Investigative Dermatology</i> , <b>2010</b> , 130, 1590-7	4.3	36
42	Regulation of glucose transport and c-fos and egr-1 expression in cells with mutated or endogenous growth hormone receptors. <i>Endocrinology</i> , <b>1998</b> , 139, 1863-71	4.8	36
41	Nuclear translocation and retention of growth hormone. <i>Endocrinology</i> , <b>2003</b> , 144, 3182-95	4.8	32
40	JNK1 protects against glucolipotoxicity-mediated beta-cell apoptosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e87067	3.7	31
39	Impact of fasting on growth hormone signaling and action in muscle and fat. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 965-72	5.6	31
38	Inhibition of nuclear factor-kappaB or Bax prevents endoplasmic reticulum stress- but not nitric oxide-mediated apoptosis in INS-1E cells. <i>Endocrinology</i> , <b>2009</b> , 150, 4094-103	4.8	31
37	Suppressor of cytokine signalling-3 inhibits Tumor necrosis factor-alpha induced apoptosis and signalling in beta cells. <i>Molecular and Cellular Endocrinology</i> , <b>2009</b> , 311, 32-8	4.4	31

36	Calcium has a permissive role in interleukin-1beta-induced c-jun N-terminal kinase activation in insulin-secreting cells. <i>Endocrinology</i> , <b>2005</b> , 146, 3026-36	4.8	31
35	Growth hormone-dependent phosphorylation of tyrosine 333 and/or 338 of the growth hormone receptor. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 21738-44	5.4	31
34	Interferon-alpha induces transient suppressors of cytokine signalling expression in human T cells. <i>Experimental and Clinical Immunogenetics</i> , <b>2001</b> , 18, 80-5		30
33	Requirement of tyrosine residues 333 and 338 of the growth hormone (GH) receptor for selected GH-stimulated function. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 21745-50	5.4	29
32	Growth Hormone and Prolactin Stimulate the Expression of Rat Preadipocyte Factor-1/Like Protein in Pancreatic Islets: Molecular Cloning and Expression Pattern during Development and Growth of the Endocrine Pancreas		29
31	The effect of suppressor of cytokine signaling 3 on GH signaling in beta-cells. <i>Molecular Endocrinology</i> , <b>2002</b> , 16, 2124-34		26
30	Compartmentalization of GABA synthesis by GAD67 differs between pancreatic beta cells and neurons. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117130	3.7	23
29	The role of growth hormone and prolactin in beta cell growth and regeneration. <i>Advances in Experimental Medicine and Biology</i> , <b>1992</b> , 321, 9-17; discussion 19-20	3.6	23
28	Inhibition of beta cell growth and function by bone morphogenetic proteins. <i>Diabetologia</i> , <b>2014</b> , 57, 2546-54	4.5	22
27	Aberrant Accumulation of the Diabetes Autoantigen GAD65 in Golgi Membranes in Conditions of ER Stress and Autoimmunity. <i>Diabetes</i> , <b>2016</b> , 65, 2686-99	0.9	21
26	Growth hormone (GH)-independent dimerization of GH receptor by a leucine zipper results in constitutive activation. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 17000-7	5.4	21
25	The anti-diabetic effects of GLP-1-gastrin dual agonist ZP3022 in ZDF rats. <i>Peptides</i> , <b>2015</b> , 69, 47-55	3.8	20
24	Distinct cytoplasmic domains of the growth hormone receptor are required for glucocorticoid- and phorbol ester-induced decreases in growth hormone (GH) binding. These domains are different from that reported for GH-induced receptor internalization. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 18088-94	5.4	18
23	Bone morphogenetic protein 4 inhibits insulin secretion from rodent beta cells through regulation of calbindin1 expression and reduced voltage-dependent calcium currents. <i>Diabetologia</i> , <b>2015</b> , 58, 1282-90	10.3	15
22	TRAF2 mediates JNK and STAT3 activation in response to IL-1 $\alpha$ and IFN $\gamma$ and facilitates apoptotic death of insulin-producing $\beta$ cells. <i>Molecular and Cellular Endocrinology</i> , <b>2016</b> , 420, 24-36	4.4	14
21	Molecular mechanism of growth hormone signalling. <i>Endocrine Journal</i> , <b>1998</b> , 45 Suppl, S41-5	2.9	14
20	Surface-expressed insulin receptors as well as IGF-I receptors both contribute to the mitogenic effects of human insulin and its analogues. <i>Journal of Applied Toxicology</i> , <b>2015</b> , 35, 842-50	4.1	13
19	Co-ordinated regulation of neurogenin-3 expression in the maternal and fetal pancreas during pregnancy. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2014</b> , 93, 1190-7	3.8	12

18	Antitumorigenic effect of proteasome inhibitors on insulinoma cells. <i>Endocrinology</i> , <b>2005</b> , 146, 1718-26	4.8	12
17	Inflammatory Cytokines Stimulate Bone Morphogenetic Protein-2 Expression and Release from Pancreatic Beta Cells. <i>Journal of Interferon and Cytokine Research</i> , <b>2016</b> , 36, 20-9	3.5	11
16	CRFR1 activation protects against cytokine-induced $\beta$ cell death. <i>Journal of Molecular Endocrinology</i> , <b>2014</b> , 53, 417-27	4.5	10
15	Dissociation between skeletal muscle inhibitor-kappaB kinase/nuclear factor-kappaB pathway activity and insulin sensitivity in nondiabetic twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 414-21	5.6	10
14	Identification of intracellular domains in the growth hormone receptor involved in signal transduction. <i>Experimental Biology and Medicine</i> , <b>1994</b> , 206, 205-9	3.7	10
13	Direct demonstration of NCAM cis-dimerization and inhibitory effect of palmitoylation using the BRET2 technique. <i>FEBS Letters</i> , <b>2011</b> , 585, 58-64	3.8	9
12	Implications for the offspring of circulating factors involved in beta cell adaptation in pregnancy. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2014</b> , 93, 1181-9	3.8	7
11	JNK1 Deficient Insulin-Producing Cells Are Protected against Interleukin-1 $\beta$ -Induced Apoptosis Associated with Abrogated Myc Expression. <i>Journal of Diabetes Research</i> , <b>2016</b> , 2016, 1312705	3.9	7
10	Endothelial progenitor cells in long-standing asymptomatic type 1 diabetic patients with or without diabetic nephropathy. <i>Nephron Clinical Practice</i> , <b>2011</b> , 118, c309-14		6
9	Beta-cell dysfunction induced by non-cytotoxic concentrations of Interleukin-1 $\beta$ s associated with changes in expression of beta-cell maturity genes and associated histone modifications. <i>Molecular and Cellular Endocrinology</i> , <b>2019</b> , 496, 110524	4.4	5
8	STAT5 activity in pancreatic $\beta$ cells. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2008</b> , 3, 423-439	4.1	5
7	In-vitro and in-vivo studies supporting the therapeutic potential of ZP3022 in diabetes. <i>European Journal of Pharmacology</i> , <b>2017</b> , 815, 181-189	5.3	4
6	Preparation of <sup>125</sup> I-protein A usable for up to 10 months in immunoassays. <i>Journal of Immunological Methods</i> , <b>1984</b> , 71, 193-201	2.5	4
5	Butyrate Protects Pancreatic Beta Cells from Cytokine-Induced Dysfunction. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
4	Dedifferentiation for replication of human beta-cells: a division between mice and men?. <i>Diabetes</i> , <b>2008</b> , 57, 1457-8	0.9	3
3	Regulation of Pancreatic $\beta$ Cell Function and Proliferation by Bone Morphogenetic Protein 4 (BMP4) In Vitro. <i>Endocrinology</i> , <b>2016</b> , 157, 3809-3820	4.8	3
2	Growth hormone receptor expression and function in pituitary adenomas. <i>Clinical Endocrinology</i> , <b>2004</b> , 60, 576-83	3.4	2
1	IDSng a novel inhibitor of $\beta$ cell function, Id1. <i>Diabetes</i> , <b>2011</b> , 60, 2455-6	0.9	1

