

1. [Taurine supplementation ameliorates glucose homeostasis, prevents insulin and glucagon hypersecretion, and controls \$\beta\$, \$\alpha\$, and \$\delta\$ -cell masses in genetic obese mice.](#)

Santos-Silva JC, Ribeiro RA, Vettorazzi JF, Irles E, Rickli S, Borck PC, Porciuncula PM, Quesada I, Nadal A, Boschero AC, Carneiro EM.

Amino Acids. 2015 May 5. [Epub ahead of print]

PMID: 25940922 [PubMed - as supplied by publisher]

[Similar articles](#)

2. [Bisphenol-A treatment during pregnancy in mice: a new window of susceptibility for the development of diabetes in mothers later in life.](#)

Alonso-Magdalena P, García-Arévalo M, Quesada I, Nadal Á.

Endocrinology. 2015 May;156(5):1659-70. doi: 10.1210/en.2014-1952. Epub 2015 Apr 1.

PMID: 25830705 [PubMed - in process]

[Similar articles](#)

3. [Enhanced glucose-induced intracellular signaling promotes insulin hypersecretion: pancreatic beta-cell functional adaptations in a model of genetic obesity and prediabetes.](#)

Irles E, Ñeco P, Lluesma M, Villar-Pazos S, Santos-Silva JC, Vettorazzi JF, Alonso-Magdalena P, Carneiro EM, Boschero AC, Nadal Á, Quesada I.

Mol Cell Endocrinol. 2015 Mar 15;404:46-55. doi: 10.1016/j.mce.2015.01.033. Epub 2015 Jan 26.

PMID: 25633666 [PubMed - in process]

[Similar articles](#)

4. [Clock genes, pancreatic function, and diabetes.](#)

Vieira E, Burris TP, Quesada I.

Trends Mol Med. 2014 Dec;20(12):685-93. doi: 10.1016/j.molmed.2014.10.007. Epub 2014 Nov 5.

PMID: 25457619 [PubMed - in process]

[Similar articles](#)

5. [Glucocorticoid treatment and endocrine pancreas function: implications for glucose homeostasis, insulin resistance and diabetes.](#)

Rafacho A, Ortsäter H, Nadal A, Quesada I.

J Endocrinol. 2014 Dec;223(3):R49-62. doi: 10.1530/JOE-14-0373. Epub 2014 Sep 30. Review.

PMID: 25271217 [PubMed - indexed for MEDLINE] **Free Article**

[Similar articles](#)

6. [Exposure to bisphenol-A during pregnancy partially mimics the effects of a high-fat diet altering glucose homeostasis and gene expression in adult male mice.](#)

García-Arevalo M, Alonso-Magdalena P, Rebelo Dos Santos J, Quesada I, Carneiro EM, Nadal A.

PLoS One. 2014 Jun 24;9(6):e100214. doi: 10.1371/journal.pone.0100214. eCollection 2014.

PMID: 24959901 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

7. [Nutrient regulation of glucagon secretion: involvement in metabolism and diabetes.](#)

Marroquí L, Alonso-Magdalena P, Merino B, Fuentes E, Nadal A, Quesada I.

Nutr Res Rev. 2014 Jun;27(1):48-62. doi: 10.1017/S0954422414000031. Epub 2014 Apr 10. Review.

PMID: 24721112 [PubMed - indexed for MEDLINE]

[Similar articles](#)

8. [Pancreatic alpha-cell dysfunction contributes to the disruption of glucose homeostasis and compensatory insulin hypersecretion in glucocorticoid-treated rats.](#)

Rafacho A, Gonçalves-Neto LM, Santos-Silva JC, Alonso-Magdalena P, Merino B, Taboga SR, Carneiro EM, Boschero AC, Nadal A, Quesada I.

PLoS One. 2014 Apr 4;9(4):e93531. doi: 10.1371/journal.pone.0093531. eCollection 2014.

PMID: 24705399 [PubMed - in process] **Free PMC Article**

[Similar articles](#)

9. [Involvement of the clock gene Rev-erb alpha in the regulation of glucagon secretion in pancreatic alpha-cells.](#)

Vieira E, Marroquí L, Figueroa AL, Merino B, Fernandez-Ruiz R, Nadal A, Burris TP, Gomis R, Quesada I.

PLoS One. 2013 Jul 25;8(7):e69939. doi: 10.1371/journal.pone.0069939. Print 2013.

PMID: 23936124 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

10. [Insulin hypersecretion in islets from diet-induced hyperinsulinemic obese female mice is associated with several functional adaptations in individual \$\beta\$ -cells.](#)

Gonzalez A, Merino B, Marroquí L, Ñeco P, Alonso-Magdalena P, Caballero-Garrido E, Vieira E, Soriano S, Gomis R, Nadal A, Quesada I.

Endocrinology. 2013 Oct;154(10):3515-24. doi: 10.1210/en.2013-1424. Epub 2013 Jul 18.

PMID: 23867214 [PubMed - indexed for MEDLINE]

[Similar articles](#)

11. [Antidiabetic actions of an estrogen receptor \$\beta\$ selective agonist.](#)

Alonso-Magdalena P, Ropero AB, García-Arévalo M, Soriano S, Quesada I, Muhammed SJ, Salehi A, Gustafsson JA, Nadal A.

Diabetes. 2013 Jun;62(6):2015-25. doi: 10.2337/db12-1562. Epub 2013 Jan 24.

PMID: 23349481 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

12. [Short-term treatment with bisphenol-A leads to metabolic abnormalities in adult male mice.](#)

Batista TM, Alonso-Magdalena P, Vieira E, Amaral ME, Cederroth CR, Nef S, Quesada I, Carneiro EM, Nadal A.

PLoS One. 2012;7(3):e33814. doi: 10.1371/journal.pone.0033814. Epub 2012 Mar 28.

PMID: 22470480 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

13. [Role of leptin in the pancreatic \$\beta\$ -cell: effects and signaling pathways.](#)

Marroquí L, Gonzalez A, Ñeco P, Caballero-Garrido E, Vieira E, Ripoll C, Nadal A, Quesada I.

J Mol Endocrinol. 2012 May 29;49(1):R9-17. doi: 10.1530/JME-12-0025. Print 2012 Aug. Review.

PMID: 22448029 [PubMed - indexed for MEDLINE] **Free Article**

[Similar articles](#)

14. [Model for glucagon secretion by pancreatic \$\alpha\$ -cells.](#)

González-Vélez V, Dupont G, Gil A, González A, Quesada I.

PLoS One. 2012;7(3):e32282. doi: 10.1371/journal.pone.0032282. Epub 2012 Mar 7.

PMID: 22412861 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

15. [Rapid insulinotropic action of low doses of bisphenol-A on mouse and human islets of Langerhans: role of estrogen receptor \$\beta\$.](#)

Soriano S, Alonso-Magdalena P, García-Arévalo M, Novials A, Muhammed SJ, Salehi A, Gustafsson JA, Quesada I, Nadal A.

PLoS One. 2012;7(2):e31109. doi: 10.1371/journal.pone.0031109. Epub 2012 Feb 8.

PMID: 22347437 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)

16. [Functional and structural adaptations in the pancreatic \$\alpha\$ -cell and changes in glucagon signaling during protein malnutrition.](#)

Marroquí L, Batista TM, Gonzalez A, Vieira E, Rafacho A, Colleta SJ, Taboga SR, Boschero AC, Nadal A, Carneiro EM, Quesada I.

Endocrinology. 2012 Apr;153(4):1663-72. doi: 10.1210/en.2011-1623. Epub 2012 Feb 14.

PMID: 22334714 [PubMed - indexed for MEDLINE]

[Similar articles](#)

17. [Bisphenol-A acts as a potent estrogen via non-classical estrogen triggered pathways.](#)

Alonso-Magdalena P, Ropero AB, Soriano S, García-Arévalo M, Ripoll C, Fuentes E, Quesada I, Nadal Á.

Mol Cell Endocrinol. 2012 May 22;355(2):201-7. doi: 10.1016/j.mce.2011.12.012. Epub 2011 Dec 31. Review.

PMID: 22227557 [PubMed - indexed for MEDLINE]

[Similar articles](#)

18. [The clock gene Rev-erb \$\alpha\$ regulates pancreatic \$\beta\$ -cell function: modulation by leptin and high-fat diet.](#)

Vieira E, Marroquí L, Batista TM, Caballero-Garrido E, Carneiro EM, Boschero AC, Nadal A, Quesada I.

Endocrinology. 2012 Feb;153(2):592-601. doi: 10.1210/en.2011-1595. Epub 2011 Dec 13.

PMID: 22166979 [PubMed - indexed for MEDLINE]

[Similar articles](#)

19. [A role for the putative cannabinoid receptor GPR55 in the islets of Langerhans.](#)

Romero-Zerbo SY, Rafacho A, Díaz-Arteaga A, Suárez J, Quesada I, Imbernon M, Ross RA, Dieguez C, Rodríguez de Fonseca F, Nogueiras R, Nadal A, Bermúdez-Silva FJ.

J Endocrinol. 2011 Nov;211(2):177-85. doi: 10.1530/JOE-11-0166. Epub 2011 Sep 1.

PMID: 21885477 [PubMed - indexed for MEDLINE] **Free Article**

[Similar articles](#)

20. [Regulation of K\(ATP\) channel by 17 \$\beta\$ -estradiol in pancreatic \$\beta\$ -cells.](#)

Soriano S, Ripoll C, Fuentes E, Gonzalez A, Alonso-Magdalena P, Ropero AB, Quesada I, Nadal A.

Steroids. 2011 Aug;76(9):856-60. doi: 10.1016/j.steroids.2011.03.017. Epub 2011 Apr 4. Review.

PMID: 21470558 [PubMed - indexed for MEDLINE]

[Similar articles](#)

21. [Endocrine disruptors in the etiology of type 2 diabetes mellitus.](#)

Alonso-Magdalena P, Quesada I, Nadal A.

Nat Rev Endocrinol. 2011 Jun;7(6):346-53. doi: 10.1038/nrendo.2011.56. Epub 2011 Apr 5. Review.

PMID: 21467970 [PubMed - indexed for MEDLINE]

[Similar articles](#)

22. [The F-actin cortical network is a major factor influencing the organization of the secretory machinery in chromaffin cells.](#)

Torregrosa-Hetland CJ, Villanueva J, Giner D, Lopez-Font I, Nadal A, Quesada I, Viniegra S, Expósito-Romero G, Gil A, Gonzalez-Velez V, Segura J, Gutiérrez LM.

J Cell Sci. 2011 Mar 1;124(Pt 5):727-34. doi: 10.1242/jcs.078600. Epub 2011 Feb 8.

PMID: 21303931 [PubMed - indexed for MEDLINE] **Free Article**

[Similar articles](#)

23. [Leptin downregulates expression of the gene encoding glucagon in alphaTC1-9 cells and mouse islets.](#)

Marroquí L, Vieira E, Gonzalez A, Nadal A, Quesada I.

Diabetologia. 2011 Apr;54(4):843-51. doi: 10.1007/s00125-010-2024-1. Epub 2011 Jan 14.

PMID: 21234744 [PubMed - indexed for MEDLINE]

[Similar articles](#)

24. [Role of estrogen receptors alpha, beta and GPER1/GPR30 in pancreatic beta-cells.](#)

Nadal A, Alonso-Magdalena P, Soriano S, Ripoll C, Fuentes E, Quesada I, Ropero AB.

Front Biosci (Landmark Ed). 2011 Jan 1;16:251-60. Review.

PMID: 21196169 [PubMed - indexed for MEDLINE]

[Similar articles](#)

25. [Minimal state models for ionic channels involved in glucagon secretion.](#)

Gonzalez-Velez V, Gil A, Quesada I.

Math Biosci Eng. 2010 Oct;7(4):793-807. doi: 10.3934/mbe.2010.7.793.

PMID: 21077708 [PubMed - indexed for MEDLINE]

[Similar articles](#)

26. [Reduced insulin secretion in protein malnourished mice is associated with multiple changes in the beta-cell stimulus-secretion coupling.](#)

Soriano S, Gonzalez A, Marroquí L, Tudurí E, Vieira E, Amaral AG, Batista TM, Rafacho A, Boschero AC, Nadal A, Carneiro EM, Quesada I.

Endocrinology. 2010 Aug;151(8):3543-54. doi: 10.1210/en.2010-0008. Epub 2010 Jun 16.

PMID: 20555033 [PubMed - indexed for MEDLINE]

[Similar articles](#)

27. [The atrial natriuretic peptide and guanylyl cyclase-A system modulates pancreatic beta-cell function.](#)

Ropero AB, Soriano S, Tudurí E, Marroquí L, Téllez N, Gassner B, Juan-Picó P, Montanya E, Quesada I, Kuhn M, Nadal A.

Endocrinology. 2010 Aug;151(8):3665-74. doi: 10.1210/en.2010-0119. Epub 2010 Jun 16.

PMID: 20555029 [PubMed - indexed for MEDLINE]

[Similar articles](#)

28. [Bisphenol A exposure during pregnancy disrupts glucose homeostasis in mothers and adult male offspring.](#)

Alonso-Magdalena P, Vieira E, Soriano S, Menes L, Burks D, Quesada I, Nadal A.

Environ Health Perspect. 2010 Sep;118(9):1243-50. doi: 10.1289/ehp.1001993. Epub 2010

May 7.

PMID: 20488778 [PubMed - indexed for MEDLINE] **Free PMC Article**

[Similar articles](#)