

List of Publications Prof. Dr. Sven Schinner

Cumulative Impact Factor: 230

01. **Schinner S**, Dellas C, Schröder M, Heinlein C, Chang C, Fischer J, Knepel W. Repression of glucagon gene transcription by PPAR α through inhibition of Pax6 transcriptional activity.
J. Biol. Chem.; 277(3):1941-8, (2002).
02. Mossner R, Schulz U, Kruger U, Middel P, **Schinner S**, Fuzesi L, Neumann C, Reich K. Agonists of peroxisome proliferator-activated receptor gamma inhibit cell growth in malignant melanoma.
J Invest Dermatol.; 119(3):576-82, (2002).
03. Meirhaeghe A, Crowley V, Lenaghan C, Lelliott C, Green K, Stewart A, Hart K, **Schinner S**, Sethi JK, Yeo G, Brand MD, Cortright RN, O'Rahilly S, Montague C, Vidal-Puig AJ. Characterization of the human, mouse and rat PGC1 beta (peroxisome-proliferator-activated receptor-gamma co-activator 1 beta) gene in vitro and in vivo.
Biochem J.;373(Pt 1): 155-65, (2003).
04. Rochford JJ, Semple RK, Laudes M, Boyle KB, Christodoulides C, Mulligan C, Lelliott CJ, **Schinner S**, Hadaschik D, Mahadevan M, Sethi JK, Vidal-Puig A, O'Rahilly S. ETO/MTG8 Is an Inhibitor of C/EBP{beta} Activity and a Regulator of Early Adipogenesis.
Mol Cell Biol.; 24(22):9863-9872, (2004).
05. George S, Rochford JJ, Wolfrum C, Gray SL, **Schinner S**, Wilson JC, Soos MA, Murgatroyd PM, Williams RM, Acerini CL, Dunger DB, Barford D, Umpleby MA, Wareham NJ, Davies HA, Schafer AJ, Stoffel M, O'Rahilly S, Barroso I. A family with severe insulin resistance and diabetes due to a mutation in AKT2.
Science, 304(5675):1325-8, (2004).
06. **Schinner S**, Bornstein SR. Cortico-Chromaffin Cell Interaction in the adrenal gland.
Endocr. Path., 16(2):91-8, (2005).
07. **Schinner S**, Scherbaum WA, Bornstein SR, Barthel A. Molecular mechanisms of insulin resistance.
Diabet. Med. 22(6):674-82, (2005).
08. **Schinner S**, Barthel A, Dellas C, Grzeskowiak R, Sharma SK, Oetjen E, Blume R, Knepel W. Protein Kinase B activity is sufficient to mimic the effect of insulin on glucagon gene transcription.
J. Biol. Chem. 280(8):7369-76, (2005).
09. Christodoulides C, Laudes M, Cawthorn WP, **Schinner S**, Soos M, O`Rahilly S, Sehti JK, Vidal-Puig AJ.. The Wnt antagonist Dickkopf-1 and its receptors are coordinately regulated during early human adipogenesis.
J Cell Sci .:119, 2613-2620, (2006).

10. Papewalis C, Fassnacht M, Willenberg HS, Domberg J, Fenk R, Rohr UP, **Schinner S**, Bornstein SR, Scherbaum WA, Schott M.
Dendritic cells as potential adjuvant for immunotherapy in adrenocortical carcinoma.
Clin Endocrinol (Oxf).;65(2):215-22, (2006).
11. **Schinner S**, Willenberg HS, Krause D, Schott M, Lamounier-Zepter V, Krug AW, Ehrhart-Bornstein M, Bornstein SR, Scherbaum WA.
Adipocyte-derived products induce the transcription of the StAR promoter and stimulate aldosterone and cortisol secretion from adrenocortical cells through the Wnt-signaling pathway.
Int. J. Obes. 31(5):864-70, (2007).
12. Schott M, Willenberg HS, Sagert C, Nguyen TBT, **Schinner S**, Cohnen M, Cupisti K, Eisenberger CF, Knoefel WT, Scherbaum WA.
Identification of occult metastases of medullary thyroid carcinoma by pentagastrin-stimulated intravenous calcitonin sampling followed by targeted surgery.
Clin Endocrinol (Oxf). 2007 Mar;66(3):405-9, (2007).
13. Krug AW, Vleugels K, **Schinner S**, Lamounier-Zepter V, Ziegler CG, Bornstein SR, Ehrhart-Bornstein M.
Human adipocytes induce an ERK1/2 MAP kinases-mediated upregulation of steroidogenic acute regulatory protein (StAR) and an angiotensin II — sensitization in human adrenocortical cells
Int. J. Obes. 31(10):1605-16 (2007).
14. Schott M, Sagert C, Willenberg HS, **Schinner S**, Ramp U, Varro A, Raffel A, Eisenberger C, Zacharowski K, Perren A, Scherbaum WA.
Carcinogenic Hypergastrinemia: Signet ring cell carcinoma in a patient with multiple endocrine neoplasia type 1 with Zollinger-Ellison's Syndrome
J Clin Endocrin Metab. 92(9):3378-82. (2007).
15. **Schinner S**, Fritzen R, Schott M, Willenberg HS, Scherbaum WA.
Spontaneous Remission of primary Hyperparathyroidism
Exp. Clin. Endocrinol. Diabetes. 115(9):619-21 (2007).
16. Papewalis C, Jacobs B, Wuttke M, Ullrich E, Baehring T, Fenk R, Willenberg H, **Schinner S**, Cohnen M, Seissler J, Zacharowski K, Scherbaum WA, Schott M
IFN- Skews Monocytes into CD56+-Expressing Dendritic Cells with Potent Functional Activities In Vitro and In Vivo
J. Immunol. 180(3):1462-70 (2008).
17. **Schinner S**, Ülgen F, Papewalis C, Schott M, Woelk A, Vidal-Puig A, Scherbaum WA.
Regulation of Insulin Secretion, Glucokinase Gene Transcription and β -cell Proliferation by Adipocyte-derived Wnt-Signaling molecules.
Diabetologia 51(1):147-54. (2008).
18. Willenberg HS, **Schinner S**, Ansurudeen I
New mechanisms to control aldosterone synthesis
Horm. Metabol. Res. 40(7):435-41 (2008).
19. Ülgen F, Scherbaum WA, Partke HJ, Bornstein SR, **Schinner S**
Intrapancreatic Adipocyte Deposition in a Mouse Model for the Metabolic Syndrome
Horm. Metabol. Res. 40(7):507-9 (2008).

20. Jacobs B, Wuttke M, Papewalis C, Fenk R, Stüssgen C, Baehring T, **Schinner S**, Raffel A, Seissler J, Schott M.
Characterization of monocyte-derived IFN α -generated dendritic cells.
Horm Metab Res. 40(2):117-21. (2008).
21. Papewalis C, Wuttke M, Seissler J, Meyer Y, Kessler C, Jacobs B, Ullrich E, Willenberg HS, **Schinner S**, Baehring T, Scherbaum WA, Schott M.
Dendritic cell vaccination with xenogenic polypeptide hormone induces tumor rejection in neuroendocrine cancer.
Clin Cancer Res. 14(13):4298-305 (2008).
22. Wuttke M, Papewalis C, Meyer Y, Kessler C, Jacobs B, Willenberg HS, **Schinner S**, Kouatchoua C, Baehring T, Scherbaum WA, Schott M.
Amino acid-modified calcitonin immunization induces tumor epitope-specific immunity in a transgenic mouse model for medullary thyroid carcinoma.
Endocrinology 149(11):5627-34 (2008).
23. Zhu J, Schott M, Liu R, Liu C, Shen B, Wang Q, Mao X, Xu K, Wu X, **Schinner S**, Papewalis C, Scherbaum WA, Liu C
Intensive glycemic control lowers plasma visfatin levels in patients with type 2 diabetes.
Horm Metab Res. 40(11):801-5. (2008).
24. Willenberg HS, Ansurudeen I, Schebesta K, Haase M, Wess B, **Schinner S**, Raffel A, Schott M, Scherbaum WA.
The endothelium secretes interleukin-6 (IL-6) and induces IL-6 and aldosterone generation by adrenocortical cells
Exp. Clin. Endocrinol. Diabetes. 116 Suppl 1:S70-4 (2008).
25. **Schinner S**, Kempf K, Overmann H, Rotthoff T, Schott M, Rose B, Scherbaum WA, Herder C
Association of Impaired glucose metabolism in morbid obesity with hypoadiponectinaemia.
Exp. Clin. Endocrinol. Diabetes. 116 Suppl 1:S64-9 (2008).
26. **Schinner S**
Wnt Signaling and the Metabolic Syndrom
Horm Metab Res. 41(2):159-63 (2009).
27. Haase M, Ansurudeen I, **Schinner S**, Paramonova I, Schott M, Papewalis C, Bornstein SR, Scherbaum WA, Willenberg HS.
Evidence for the involvement of endothelial cell products in adrenal CITED2 expression. **Cell Tiss Res.** 336(2):337-43 (2009).
28. **Schinner S**, Krätzner R, Baun D, Dickel C, Blume R, Oetjen E.
Inhibition of human insulin gene transcription by peroxisome proliferator-activated receptor γ and thiazolidinedione oral antidiabetic drugs.
Br. J. Pharm. 157(5):736-45 (2009).
29. **Schinner S**, Willenberg HS, Schott M, Scherbaum WA.
Pathophysiological aspects of Wnt-signalling in endocrine disease
Eur. J. Endocrinol. 160(5):731-7 (2009).
30. Papewalis C, Wuttke M, **Schinner S**, Willenberg HS, Baran AM, Scherbaum WA, Schott M. Role of the Novel mTOR Inhibitor RAD001 (Everolimus) in Anaplastic Thyroid Cancer.
Horm Metab Res. 41(10):752-6 (2009).

31. Hermsen D, Eckstein A, **Schinner S**, Willenberg HS, Thiel A, Scherbaum WA, Schott M. Reproducibility of Elecsys anti-TSHR test results in a lot-to-lot comparison. **Horm Metab Res.** 42(4):295-7 (2010).
32. Willenberg HS, Späth M, Maser-Gluth C, Engers R, Anlauf M, Dekomien G, Schott M, **Schinner S**, Cupisti K, Scherbaum WA. Sporadic solitary aldosterone- and cortisol-co-secreting adenomas: endocrine, histological and genetic findings in a subtype of primary aldosteronism. **Hypertens Res.** 33(5):467-72 (2010).
33. Ulgen F, Herder C, Kühn MC, Willenberg HS, Schott M, Scherbaum WA, **Schinner S**. Association of serum levels of retinol-binding protein 4 with male sex but not with insulin resistance in obese patients. **Arch Physiol Biochem.** 116(2):57-62 (2010).
34. Balas M, Zosin I, Maser-Gluth C, Hermsen D, Cupisti K, Schott M, **Schinner S**, Knoefel WT, Scherbaum WA, Willenberg HS. Indicators of mineralocorticoid excess in the evaluation of primary aldosteronism. **Hypertens. Res.** 33(8):850-6 (2010).
35. Ulgen F, Kühn MC, Cupisti K, Herder C, Willenberg HS, Schott M, Scherbaum WA, **Schinner S**. The CB-1 Receptor Antagonist Rimonabant Modulates the Interaction Between Adipocytes and Pancreatic Beta-Cells. **Exp Clin Endocrinol Diabetes.** 119(1):41-6.(2011)
36. **Schinner S**. Wnt-signalling in pancreatic beta-cells – more complex than expected. **Diabetologia**, 53(9):2073-5 (2010).
37. Papewalis C, Kouatchoua C, Ehlers M, Jacobs B, Porwol D, **Schinner S**, Willenberg HS, Anlauf M, Raffel A, Eisenhofer G, Neumann HP, Bornstein SR, Scherbaum WA, Schott M. Chromogranin A as potential target for immunotherapy of malignant pheochromocytoma. **Mol Cell Endocrinol.** 15;335(1):69-77 (2010)
38. Paramonova I, Haase M, Mülders-Opgenoorth B, Ansurudeen-Rafi I, Bornstein SR, Papewalis C, **Schinner S**, Schott M, Scherbaum WA, Willenberg HS. The Effects of the Endothelium on Adrenal Steroidogenesis and Growth are Mainly Mediated by Proteins Other than Endothelin-1. **Horm Metab Res.**;42(12):840-5 (2010)
39. Vordenbäumen S, **Schinner S**, Halle M, Fischer-Betz R, Schneider M. Therapy of dyslipidemia in rheumatic diseases **Z Rheumatol.** 69(8):689-92, 694-5 (2010)
40. Haase M, Anlauf M, Schott M, **Schinner S**, Kaminsky E, Scherbaum WA, Willenberg HS. A new mutation in the menin gene causes the multiple endocrine neoplasia type 1 syndrome with adrenocortical carcinoma. **Endocrine.** 39(2):153-9 (2011)
41. Papewalis C, Jacobs B, Baran AM, Ehlers M, Stoecklein NH, Willenberg HS, **Schinner S**, Anlauf M, Raffel A, Cupisti K, Fenk R, Scherbaum WA, Schott M. Increased numbers of tumor-lysing monocytes in cancer patients. **Mol Cell Endocrinol.** 337(1-2):52-61 (2011)

42. **Schinner S**, Füth R, Kempf K, Willenberg HS, Schott M, Scherbaum WA, Lankisch M. A progressive increase in cardiovascular risk assessed by coronary angiography in non-diabetic patients at sub-diabetic glucose levels
Cardiovascular Diabetology 10:56 (2011)
43. Liu C, Scherbaum WA, Schott M, **Schinner S**. Subclinical Hypothyroidism and the Prevalence of Metabolic Syndrome
Horm Metab Res. 43(6):417-2 (2011)
44. Haase M, Schott M, Kaminsky E, Lüdecke DK, Saeger W, Fritzen R, **Schinner S**, Scherbaum WA, Willenberg HS. Cushing's disease in a patient with steroid 21-hydroxylase deficiency.
Endocr J. 58(8):699-706 (2011)
45. Vleugels K, **Schinner S**, Krause D, Morawietz H, Bornstein SR, Ehrhart-Bornstein M, Krug AW. ERK1/2 MAPKs and Wnt signaling pathways are independently involved in adipocytokine-mediated aldosterone secretion.
Exp Clin Endocrinol Diabetes. 119(10):644-8. (2011)
46. Heller C, Kühn MC, Mülders-Opgenoorth B, Schott M, Willenberg HS, Scherbaum WA, **Schinner S**. Exendin-4 upregulates the expression of Wnt4, a novel regulator of pancreatic beta-cell proliferation
Am J Physiol Endocrinol Metab. 301(5):E864-72 (2011)
47. Kühn MC, Willenberg HS, Schott M, Papewalis C, Stumpf U, Flohé S, Scherbaum WA, **Schinner S**. Adipocyte-secreted factors increase osteoblast proliferation and the OPG/RANKL ratio.
Mol. Cell. Endocrinol 349(2):180-8 (2012)
48. Bernecker C, Scherr J, **Schinner S**, Braun S, Scherbaum WA, Halle M. Evidence for an exercise induced increase of TNF- α and IL-6 in marathon runners.
Scand J Med Sci Sports (2011)
49. Ehlers M, Thiel A, Bernecker C, Porwol D, Papewalis C, Willenberg HS, **Schinner S**, Hautzel H, Scherbaum WA, Schott M. Evidence of a combined cytotoxic thyroglobulin and thyroperoxidase epitope-specific cellular immunity in Hashimoto's thyroiditis.
J Clin Endocrinol Metab. 97(4):1347-54 (2012).
50. Vogt S, Winkler E, Hermsen D, Schott M, **Schinner S**, Scherbaum WA, Willenberg HS. Endothelin-1 and Adrenomedullin Plasma Levels After Exposure to Fludrocortisone, Dexamethasone, and Spironolactone.
Clin Exp Hypertens. 2012;34(8):582-7 (2012).
51. Ehlers M, Papewalis C, Stenzel W, Jacobs B, Meyer KL, Deenen R, Willenberg HS, **Schinner S**, Thiel A, Scherbaum WA, Ullrich E, Zitvogel L, Schott M. Immunoregulatory Natural Killer Cells Suppress Autoimmunity by Down-Regulating Antigen-Specific CD8+ T Cells in Mice.
Endocrinology. 153(9):4367-79 (2012)
52. Bernecker C, Lenz L, Ostapczuk MS, **Schinner S**, Willenberg H, Ehlers M, Vordenbäumen S, Feldkamp J, Schott M. MicroRNAs -146a1, -155 2, -200a1 are Regulated in Autoimmune Thyroid Diseases.
Thyroid. 22(12):1294-5 (2012).

53. Bernecker C, Ostapczuk M, Vordenbäumen S, Ehlers M, Thiel A, **Schinner S**, Willenberg H, Scherbaum WA, Schott M.
HLA-A2 Phenotype may be Protective Against Graves' Disease but not Against Hashimoto's Thyroiditis in Caucasians. **Horm Metab Res.** 45(1):74-7. (2012).
54. Steinbrenner H, Hotze AL, Speckmann B, Pinto A, Sies H, Schott M, Ehlers M, Scherbaum WA, **Schinner S**.
Localization and regulation of pancreatic selenoprotein P.
J Mol Endocrinol. 50(1):31-42 (2013)
55. Paschali M, Willenberg HS, Fritzen R, Schott M, Scherbaum WA, **Schinner S**.
False positives on both dexamethasone testing and urinary free cortisol in women on oral contraception: dose-response effects.
Clin Endocrinol (Oxf). 79(3):443-4. (2013)
56. Urban C, Hamacher A, Partke HJ, Roden M, **Schinner S**, Christiansen E, Due-Hansen ME, Ulven T, Gohlke H, Kassack MU. In vitro and mouse in vivo characterization of the potent free fatty acid 1 receptor agonist TUG-469.
Naunyn Schmiedebergs Arch Pharmacol.;386(12):1021-30 (2013)
57. Werminghaus P, Haase M, Hornsby PJ, **Schinner S**, Schott M, Malendowicz LK, Lammers BJ, Goretzki PE, Müller-Mattheis V, Markus Giessing, Willenberg HS.
Hedgehog-signaling is upregulated in non-producing human adrenal adenomas and antagonism of hedgehog-signaling inhibits proliferation of NCI-H295R cells and an immortalized primary human adrenal cell line.
J Steroid Biochem Mol Biol. 139:7-15 (2014).
58. Ehlers M, Thiel A, Papewalis C, Domröse A, Stenzel W, Bernecker C, Haase M, Allelein S, **Schinner S**, Willenberg HS, Feldkamp J, Schott M.
Enhanced iodine supplementation alters the immune process in a transgenic mouse model for autoimmune thyroiditis.
Thyroid.;24(5):888-96 (2014)
59. Schwafertz C, **Schinner S**, Kühn MC, Haase M, Asmus A, Mülders-Opgenoorth B, Ansurudeen I, Hornsby PJ, Morawietz H, Oetjen E, Schott M, Willenberg HS.
Endothelial cells regulate β -catenin activity in adrenocortical cells via secretion of basic fibroblast growth factor.
Mol Cell Endocrinol. 2017 Feb 5;441:108-115.