



**Werner Kern**

**Contact**

Werner Kern

## Publications (25)

Hallschmid M, Jauch-Chara K, Korn O, Mölle M, Rasch B, Born J, Schultes B, Kern W. Euglycemic infusion of insulin detemir compared with human insulin appears to increase direct current brain potential response and reduces food intake while inducing similar systemic effects. *Diabetes* 2010; 59:1101-7.

Benedict C, Kern W, Schmid S, Schultes B, Born J, Hallschmid M. Early morning rise in hypothalamic-pituitary-adrenal activity: a role for maintaining the brain's energy balance. *Psychoneuroendocrinology* 2009; 34:455-62.

Hallschmid M, Benedict C, Schultes B, Perras B, Fehm H, Kern W, Born J. Towards the therapeutic use of intranasal neuropeptide administration in metabolic and cognitive disorders. *Regulatory peptides* 2008; 149:79-83.

Benedict C, Kern W, Schultes B, Born J, Hallschmid M. Differential sensitivity of men and women to anorexigenic and memory-improving effects of intranasal insulin. *The Journal of clinical endocrinology and metabolism* 2008; 93:1339-44.

Hallschmid M, Benedict C, Schultes B, Perras B, Fehm H, Kern W, Born J. Towards the therapeutic use of intranasal neuropeptide administration in metabolic and cognitive disorders. *Regul Pept* 2008; 149:79-83.

Schultes B, Fehm H, Peters A, Oltmanns K, Kern W, Reiprich E, Hallschmid M, Gais S, Jauch-Chara K, Born J. Defective awakening response to nocturnal hypoglycemia in patients with type 1 diabetes mellitus. *PLoS medicine* 2007; 4:e69.

Benedict C, Hallschmid M, Schultes B, Born J, Kern W. Intranasal insulin to improve memory function in humans. *Neuroendocrinology* 2007; 86:136-42.

Benedict C, Hallschmid M, Schmitz K, Schultes B, Ratter F, Fehm H, Born J, Kern W. Intranasal insulin improves memory in humans: superiority of insulin aspart. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology* 2007; 32:239-43.

Benedict C, Hallschmid M, Schultes B, Born J, Kern W. Intranasal insulin to improve memory function in humans. *Neuroendocrinology* 2007; 86:136-142.

Bremer J, Baron M, Peters H, Oltmanns K, Kern W, Fehm H, Born J, Schultes B. Hormonal, subjective, and neurocognitive responses to brief hypoglycemia in postmenopausal women and age-matched men with type 2 diabetes mellitus. *Metabolism: clinical and experimental* 2006; 55:331-8.

Schultes B, Peters A, Hallschmid M, Benedict C, Merl V, Oltmanns K, Born J, Fehm H, Kern W. Modulation of food intake by glucose in patients with type 2 diabetes. *Diabetes care* 2005; 28:2884-9.

Schultes B, Peters A, Kern W, Gais S, Oltmanns K, Fehm H, Born J. Processing of food stimuli is selectively enhanced during insulin-induced hypoglycemia in healthy men. *Psychoneuroendocrinology* 2005; 30:496-504.

Kern W, Peters A, Born J, Fehm H, Schultes B. Changes in blood pressure and plasma catecholamine levels during prolonged hyperinsulinemia. *Metabolism: clinical and experimental* 2005; 54:391-6.

Benedict C, Hallschmid M, Scheibner J, Niemeyer D, Schultes B, Merl V, Fehm H, Born J, Kern W. Gut protein uptake and mechanisms of meal-induced cortisol release. *The Journal of clinical endocrinology and metabolism* 2005; 90:1692-6.

Oltmanns K, Peters A, Kern W, Fehm H, Born J, Schultes B. Preserved inhibitory effect of recurrent hypoglycaemia on the male gonadotrophic axis. *Clinical endocrinology* 2005; 62:217-22.

Merl V, Peters A, Oltmanns K, Kern W, Hubold C, Hallschmid M, Born J, Fehm H, Schultes B. Preserved circadian rhythm of serum insulin concentration at low plasma glucose during fasting in lean and overweight humans. *Metabolism: clinical and experimental* 2004; 53:1449-53.

Hallschmid M, Benedict C, Schultes B, Fehm H, Born J, Kern W. Intranasal insulin reduces body fat in men but not in women. *Diabetes* 2004; 53:3024-9.

Benedict C, Hallschmid M, Hatke A, Schultes B, Fehm H, Born J, Kern W. Intranasal insulin improves memory in humans. *Psychoneuroendocrinology* 2004; 29:1326-34.

Hallschmid M, Schultes B, Marshall L, Mölle M, Kern W, Bredthauer J, Fehm H, Born J. Transcortical direct current potential shift reflects immediate signaling of systemic insulin to the human brain. *Diabetes* 2004; 53:2202-8.

Merl V, Kern W, Peters A, Oltmanns K, Gais S, Born J, Fehm H, Schultes B. Differences between nighttime and daytime hypoglycemia counterregulation in healthy humans. *Metabolism: clinical and experimental* 2004; 53:894-8.

Oltmanns K, Fehm H, Born J, Dominiak P, Marx E, Kern W, Schultes B, Wellhoener P, Deininger E, Peters A. Influence of captopril on symptomatic and hormonal responses to hypoglycaemia in humans. *British journal of clinical pharmacology* 2003; 55:347-53.

Schultes B, Oltmanns K, Kern W, Fehm H, Born J, Peters A. Modulation of hunger by plasma glucose and metformin. *The Journal of clinical endocrinology and metabolism* 2003; 88:1133-41.

Gais S, Born J, Peters A, Schultes B, Heindl B, Fehm H, Kern W. Hypoglycemia counterregulation during sleep. *Sleep* 2003; 26:55-9.

Schultes B, Oltmanns K, Toschek B, Sopke S, Kern W, Born J, Fehm H, Peters A. Short-term treatment with metformin decreases serum leptin concentration without affecting body weight and body fat content in normal-weight healthy men. *Metabolism: clinical and experimental* 2002; 51:531-6.

Dantz D, Bewersdorf J, Schultes B, Kern W, Jelkmann W, Born J, Fehm H, Peters A. Vascular endothelial growth factor: a novel endocrine defensive response to hypoglycemia. *The Journal of clinical endocrinology and metabolism* 2002; 87:835-40.

## Projects (0)

No results found.

---

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)