

PUBLISHED ABSTRACTS OF POSTERS AND ORAL PRESENTATIONS

PUBLISHED ABSTRACTS

Kleinau G, Krause G. Implications for understanding molecular function and dysfunction of glycoprotein hormone receptors by a new sequence structure function analysis resource. 2007, *Exp Clin Endocrinol Diabetes Vol 115, Suppl. 1, p34*

Kleinau G, Claus M, Jäschke H, Müller S, Neumann S, Paschke R, Krause G. Molecular Mechanism at the TSH receptor: Modulation of signalling activity via extracellular loop2. 2007, *Exp Clin Endocrinol Diabetes Vol 115, Suppl. 1, p75*

Krause G, Neumann S, Kleinau G, Moore S, Jäschke H, Paschke R, Thomas CJ, Gershengorn MC. Design of low molecular weight ligands for the TSH receptor utilizing its sequence homology to the LH receptor. 2007, *Exp Clin Endocrinol Diabetes Vol 115, Suppl. 1, p7*

Müller S, Kleinau G, Jäschke H, Neumann S, Krause G, Paschke R. Significance of the Hinge region of the TSHR for receptor activation and hormone binding. 2007, *Exp Clin Endocrinol Diabetes Vol 115, Suppl. 1, p33*

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Claus M, Jäschke H, Kleinau G, Neumann S, Krause G, Paschke R. A hydrophobic cluster in the center of the third extracellular loop is important for TSH receptor signaling. 2005, *Thyroid 15 Suppl. 1*

Müller S, Kleinau G, Jäschke H, Krause G, Paschke R. Identification of residues in the extracellular domain of the TSH receptor necessary for intramolecular signalling. 2005, *Experimental and Clinical Endocrinology & Diabetes, Vol. 113, Suppl. 1, S. 26*

Jäschke H, Neumann S, Kleinau G, Krause G, Paschke R. Intramolecular TSHR signalling requires an aromatic environment around S281 in the ectodomain. 2005, *Experimental and Clinical Endocrinology & Diabetes, Vol. 113, Suppl. 1, S. 32*

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H Jäschke, G Kleinau, G Krause, R Paschke, S Neumann. K660 in the 3. extracellular loop of the TSH receptor is important for G-protein mediated signaling. 2004, *Experimental and Clinical Endocrinology & Diabetes, Vol. 112, Suppl. 1, S. 5*

G Kleinau, H Jäschke, S Neumann, R Paschke, G Krause. N-terminal ectodomain of TSHR: Structure-function studies reveal a novel epitope affecting constitutive activation by mutation. 2004, *Experimental and Clinical Endocrinology & Diabetes, Vol. 112, Suppl. 1, S. 58*

ORAL PRESENTATIONS

G. Kleinau, H. Jäschke, S. Müller, M. Claus, R. Paschke, G. Krause (2007). The high basal activity of the TSHR increases its susceptibility for constitutively activating mutations. 32th Annual Meeting of the *European Thyroid Association*, 1.-5.Oct., Leipzig.

Gunnar Kleinau, Maren Claus, Holger Jaeschke, Sandra Mueller, Susanne Neumann, Ralf Paschke, Gerd Krause (2006). The Second Extracellular Loop of the Thyroid Stimulating Hormone Receptor Modulates Different Activity States. 31th Annual Meeting of the *European Thyroid Association*, 2.-6. Nov. 2006, Neapel.

Gunnar Kleinau. Rational identification of molecular and structural determinants for the activation mechanism of the TSH receptor's ectodomain. 22. Arbeitstagung Experimentelle Schilddrüsenforschung (AESF), 7-9. Dec. 2006, Berlin.