

## Oral Presentations Saal 18/19

**Donnerstag, 31.3.2011**

**8.30-10.00 Uhr**

Vorsitz: D. Führer, Leipzig; A. Iwen, Lübeck

### **OP 1 - Schilddrüse/Nebenschilddrüse**

#### **Vortrag des Preisträgers Merck-von-Basedow**

From molecular details of the interplay between transmembrane helices of the Thyrotropin receptor to general aspects of signal transduction in G-protein-coupled-receptors

Gunnar Kleinau, Berlin

- OP 1-1      Triiodothyronine (T3) treatment in children after cardiac surgery: Long-term follow-up of a double-blind, randomised, placebo controlled study  
Mittnacht J.<sup>1</sup>, Kneppo C.<sup>1</sup>, Brunner R.<sup>1</sup>, Parzer P.<sup>1</sup>, Gorenflo M.<sup>1</sup>, Bettendorf M.<sup>1</sup>,  
<sup>1</sup>Heidelberg
- OP 1-2      First evidence of a combined cytotoxic thyroglobulin- and thyroperoxidase-specific cellular immune response in patients with Hashimoto's thyroiditis  
Ehlers M.<sup>1</sup>, Papewalis C.<sup>1</sup>, Porwoll D.<sup>1</sup>, Thiel A.<sup>1</sup>, Bernecker C.<sup>1</sup>, Willenberg H.S.<sup>1</sup>, Schinner S.<sup>1</sup>, Mansmann G.<sup>1</sup>, Nguyen T.<sup>1</sup>, Scherbaum W.A.<sup>1</sup>, Schott M.<sup>1</sup>,<sup>1</sup>Duesseldorf
- OP 1-3      Towards the analytics of 3-Iodothyronamine in human serum  
Hoefig C.S.<sup>1</sup>, Wu Z.<sup>1</sup>, Wohlgemuth F.<sup>1</sup>, Klein J.<sup>1</sup>, Blankenstein O.<sup>1</sup>, Brabant G.<sup>2</sup>, Dixit K.<sup>2</sup>, Yap B.<sup>2</sup>, Strasburger C.J.<sup>1</sup>, Köhrle J.<sup>1</sup>,<sup>1</sup>Berlin, <sup>2</sup>Manchester
- OP 1-4      Current results on urinary Iodide excretion in pregnant women on the day of childbirth in Germany  
Hampel R.F.<sup>1</sup>, Körber S.<sup>1</sup>, Below H.<sup>2</sup>, Niederstrasser O.<sup>1</sup>, Briese V.<sup>1</sup>,<sup>1</sup>Rostock, <sup>2</sup>Greifswald
- OP 1-5      Analysis of mouse mutants deficient in the thyroid hormone transporter Oatp1c1  
Mayerl S.<sup>1</sup>, Visser T.J.<sup>2</sup>, Darras V.M.<sup>3</sup>, Heuer H.<sup>1</sup>,<sup>1</sup>Jena, <sup>2</sup>Rotterdam, <sup>3</sup>Leuven
- OP 1-6      Hypothyroid TRH-R1 knockout mice exhibit central changes in leptin signaling  
Groba C.<sup>1</sup>, Mayerl S.<sup>1</sup>, Visser T.J.<sup>2</sup>, Heuer H.<sup>1</sup>,<sup>1</sup>Jena, <sup>2</sup>Rotterdam
- OP 1-7      Five novel inactivating mutations of the calcium-sensing receptor: The calcimimetic NPS R-568 increases signal transduction of mutant receptors  
Letz S.<sup>1</sup>, Haag C.<sup>2</sup>, Schulze E.<sup>2</sup>, Frank-Raue K.<sup>2</sup>, Mayr B.<sup>1</sup>, Raue F.<sup>2</sup>, Schöfl C.<sup>1</sup>,  
<sup>1</sup>Erlangen, <sup>2</sup>Heidelberg
- OP 1-8      Contrast-Enhanced Ultrasonography (CEUS) for localization of pathologic glands in patients with primary hyperparathyroidism  
Agha A.<sup>1</sup>,<sup>1</sup>Regensburg

**Donnerstag, 31.3.2011**  
**10.30-12.00**

Vorsitz: M. Faust, Köln; H. Klein, Bochum

## **OP 2 - Diabetes, Adipositas, Fettstoffwechsel**

### **Vortrag des Preisträgers „Novartis Junge Endokrinologen“**

Hepatic transforming growth factor-beta1 stimulated clone-22 D4 controls systemic lipid metabolism

Allan Jones, Heidelberg

- OP 2-1      Activation of brown adipose tissue (BAT) normalizes hypertriglyceridemia and hyperglycemia in vivo  
Merkel M.<sup>1</sup>, Bartelt A.<sup>1</sup>, Brügelmann K.<sup>1</sup>, Heeren J.<sup>1</sup>, <sup>1</sup>Hamburg
- OP 2-2      Modulation of FOXO1 translocation and gene activation by insulin, glucagon, and resveratrol  
Bumke-Vogt C.<sup>1</sup>, Osterhoff M.<sup>1,2</sup>, Ziegenhorn A.<sup>1</sup>, Baehr V.<sup>2</sup>, Pfeiffer A.F.H.<sup>1,2</sup>, <sup>1</sup>Nuthetal, <sup>2</sup>Berlin
- OP 2-3      The effect of nutrient excess and resveratrol as nutraceutical on NAMPT activity  
Schuster S.<sup>1</sup>, Petzold-Quinque S.<sup>1</sup>, Garten A.<sup>1</sup>, Barnikol-Oettler A.<sup>1</sup>, Laue S.<sup>1</sup>, Gebhardt R.<sup>1</sup>, Kiess W.<sup>1</sup>, <sup>1</sup>Leipzig
- OP 2-4      Insulin sensitivity and systemic cytokine secretion are directly correlated to hepatic lipid accumulation but not to adipositas  
Knebel B.<sup>1</sup>, Haas J.<sup>2</sup>, Hartwig S.<sup>1</sup>, Nitzgen U.<sup>1</sup>, Jacob S.<sup>1</sup>, Kotzka J.<sup>1</sup>, Müller-Wieland D.<sup>2</sup>, <sup>1</sup>Duesseldorf, <sup>2</sup>Hamburg
- OP 2-5      CTRP-3 represents a novel and endogenous LPS antagonist of the adipose tissue  
Kopp A.<sup>1</sup>, Bala M.<sup>1</sup>, Gross P.<sup>1</sup>, Büchler C.<sup>1</sup>, Salzberger B.<sup>1</sup>, Schäffler A.<sup>1</sup>, <sup>1</sup>Regensburg
- OP 2-6      Insulin and IGF1 dependent adiponectin expression is mediated by CREB in rabbit blastocysts  
Schindler M.<sup>1</sup>, Fischer S.<sup>1</sup>, Thieme R.<sup>1</sup>, Fischer B.<sup>1</sup>, Navarrete Santos A.<sup>1</sup>, <sup>1</sup>Halle (Saale)
- OP 2-7      Nutritional contaminants like bisphenol A, phthalates (DEHP) and tributyltin affect adipogenesis of embryonic stem cells  
Biemann R.<sup>1</sup>, Riemann D.<sup>1</sup>, Fischer B.<sup>1</sup>, Navarrete Santos A.<sup>1</sup>, <sup>1</sup>Halle (Saale)
- OP 2-8      Adiponectin in coronary heart disease and newly diagnosed glucose intolerance  
Lohmann T.<sup>1</sup>, Azizi Ghanbari A.<sup>1</sup>, Britz A.<sup>1</sup>, Dörr R.<sup>1</sup>, Schnell O.<sup>2</sup>, <sup>1</sup>Dresden, <sup>2</sup>München

**Donnerstag, 31.3.2011**  
**14.45-16.15**

Vorsitz: A. Mayerhof, München; M. Zitzmann, Münster

### **OP 3 - Reproduktion**

#### **Vortrag des Preisträgers „Dietrich Knorr Preis“**

Male 41, XX - Mice as a model for Klinefelter Syndrome: Hyperactivation of Leydig Cells

Joachim Wistuba, Münster

#### **Vortrag des Pfizer Young Fellowship**

Kisspeptin – a dual physiological role in the hypothalamic control of reproduction

Wiebke Fenske, Würzburg

- OP 3-1          Functional NE transporter and NE-metabolism in human ovary and granulosa cells are a cause for the generation of reactive oxygen species  
Saller S.<sup>1</sup>, Raffael S.<sup>1</sup>, Tiefenbacher A.<sup>1</sup>, Berg D.<sup>1</sup>, Berg U.<sup>1</sup>, Mayerhofer A.<sup>1</sup>, <sup>1</sup>Munich
- OP 3-2          Estrogen regulated microRNAs in a polarized *in vitro*-model from the porcine oviduct  
Miessen K.<sup>1</sup>, Sharbati S.<sup>1</sup>, Einspanier R.<sup>1</sup>, Schön J.<sup>1</sup>, <sup>1</sup>Berlin
- OP 3-3          Motile responses of human endometrial stromal cells to HB-EGF and PDGF-BB - role of decidualization  
Schwenke M.<sup>1</sup>, Wolf A.<sup>1</sup>, Bamberger A.-M.<sup>1</sup>, Gellersen B.<sup>1</sup>, <sup>1</sup>Hamburg
- OP 3-4          Germ cell-specific gene expression  
Weitzel J.M.<sup>1</sup>, <sup>1</sup>Dummerstorf
- OP 3-5          Adipokine concentrations in seminal plasma are correlated to semen quality in normal-weight and obese men  
Thomas S.<sup>1</sup>, Kratzsch D.<sup>1</sup>, Schaab M.<sup>1</sup>, Grunewald S.<sup>1</sup>, Kratzsch J.<sup>1</sup>, Paasch U.<sup>1</sup>, <sup>1</sup>Leipzig
- OP 3-6          Changes of Leydig-Cell physiology and expression of X-chromosomal genes in a mouse model (karyotype 41,XX<sup>Y</sup>) for Klinefelter syndrome  
Werler S.<sup>1</sup>, Poplinski A.<sup>1</sup>, Schleking A.<sup>1</sup>, Gromoll J.<sup>1</sup>, Wistuba J.<sup>1</sup>, <sup>1</sup>Muenster
- OP 3-7          Mutation analysis of the LH receptor gene in Leydig cell adenoma and hyperplasia and functional and biochemical studies of activating mutations of the LH receptor gene  
Richter-Unruh A.<sup>1</sup>, Boot A.M.<sup>2</sup>, Lumbroso S.<sup>3,4</sup>, Looijenga L.L.H.<sup>5</sup>, Groß U.S.<sup>6</sup>, Drop S.L.<sup>5</sup>, Schulte H.M.<sup>6</sup>, Themmen A.P.<sup>5</sup>, <sup>1</sup>Bochum, <sup>2</sup>Groningen, <sup>3</sup>Montpellier, <sup>4</sup>Nimes, <sup>5</sup>Rotterdam, <sup>6</sup>Hamburg

**Donnerstag, 31.3.2011**  
**16.30-18.00**

Vorsitz: P. Kremer, Hamburg; W. Saeger, Hamburg

## **OP 4 - Hypophyse und Neuroendokrinologie**

### **Vortrag der Preisträger „Ernst and Berta Scharrer Prize“**

Forebrain CRHR1 is required for early Life Stress-Programmed Cognitive Deficits

Mathias V. Schmidt und Xiao-Dong Wang, Köln

- OP 4-1      Copeptin in the differential diagnosis of the polydipsia-polyuria syndrome - revisiting the direct and indirect water deprivation tests  
Fenske W.<sup>1</sup>, Quinkler M.<sup>2</sup>, Lorenz D.<sup>1</sup>, Zopf K.<sup>2</sup>, Haagen U.<sup>2</sup>, Papassotiriou J.<sup>2</sup>, Pfeiffer A.<sup>2</sup>, Fassnacht M.<sup>1</sup>, Stoerk S.<sup>1</sup>, Allolio B.<sup>1</sup>, <sup>1</sup>Wuerzburg, <sup>2</sup>Berlin
- OP 4-2      Sleep endocrine effects of exogenous atrial natriuretic peptide in men  
Demiralay C.<sup>1</sup>, Jahn H.<sup>1</sup>, Kellner M.<sup>1</sup>, Yassouridis A.<sup>2</sup>, Wiedemann K.<sup>1,2</sup>, <sup>1</sup>Hamburg, <sup>2</sup>Munich
- OP 4-3      Cavernous sinus sampling (CSS) for localization of pituitary adenomas in patients with Cushing disease (CD) and negative or inconclusive MRI findings  
Kränzlein H.<sup>1</sup>, van Leyen P.<sup>1</sup>, Ries T.<sup>1</sup>, Flitsch J.<sup>1</sup>, Lüdecke D.K.<sup>1</sup>, <sup>1</sup>Hamburg
- OP 4-4      Executive functions recover earlier than episodic memory after microsurgical transsphenoidal treatment of pituitary tumors in adult patients - a longitudinal study  
Psaras T.<sup>1</sup>, Honegger J.<sup>1</sup>, Milian M.<sup>1</sup>, <sup>1</sup>Tübingen
- OP 4-5      Intraoperative 1.5 T Magnetic Resonance Imaging (MRI) during surgery of non-functioning pituitary adenomas: Results in 328 patients  
Wiendieck K.<sup>1</sup>, Schlawer S.-M.<sup>1</sup>, von Keller B.<sup>1</sup>, Buchfelder M.<sup>1</sup>, <sup>1</sup>Erlangen
- OP 4-6      Long term safety of growth hormone replacement following CNS irradiation  
Craven T.<sup>1</sup>, Mackenzie S.<sup>1</sup>, Shalet S.M.<sup>1</sup>, Gattamaneni R.<sup>1</sup>, Swindell R.<sup>1</sup>, Brabant G.<sup>1</sup>, <sup>1</sup>Manchester
- OP 4-7      Analysis of body weight, physical activity and quality of life of patients with hypopituitarism following traumatic brain injury or subarachnoidal haemorrhage  
Müller-Öffner A.<sup>1</sup>, Siegmund T.<sup>1</sup>, Gutt B.<sup>1</sup>, Hufnagl M.<sup>1</sup>, Schumm-Draeger P.M.<sup>1</sup>, <sup>1</sup>München
- OP 4-8      Histopathological classification as clinical outcome parameter in a large multi-centre cohort of neuroendocrine tumours from Germany  
Maasberg S.<sup>1</sup>, Anlauf M.<sup>2</sup>, Pape U.-F.<sup>1</sup>, Grabowski P.<sup>3</sup>, Mönig H.<sup>4</sup>, Klose S.<sup>5</sup>, Fottner C.<sup>6</sup>, Auernhammer C.<sup>7</sup>, Lehnert H.<sup>8</sup>, Goretzki P.<sup>9</sup>, <sup>1</sup>Berlin, <sup>2</sup>Düsseldorf, <sup>3</sup>Bad Berka, <sup>4</sup>Kiel, <sup>5</sup>Magdeburg, <sup>6</sup>Mainz, <sup>7</sup>München, <sup>8</sup>Lübeck, <sup>9</sup>Neuss

**Freitag, 1.4.2011**  
**9.30-11.00**

Vorsitz: M. Laudes, Köln; M. Roden Düsseldorf

## **OP 5 - Diabetes, Adipositas, Fettstoffwechsel II**

- OP 5-1      Analysis of a *DHCR7* polymorphism in type 1 diabetes, Hashimoto's thyroiditis, Graves' and Addison's disease  
Morán-Auth Y.<sup>1</sup>, Penna-Martinez M.<sup>1</sup>, Badenhoop K.<sup>1</sup>, Ramos López E.<sup>1</sup>, <sup>1</sup>Frankfurt am Main
- OP 5-2      MODY type 1 caused by a splice site mutation of the *HNF4A* gene within an European family  
Möller-Krull M.<sup>1</sup>, Groß U.S.<sup>1</sup>, Fleischer S.<sup>1</sup>, Drexler H.H.S.<sup>1</sup>, Deiß D.<sup>2</sup>, Schulte H.M.<sup>1</sup>, <sup>1</sup>Hamburg, <sup>2</sup>Berlin
- OP 5-3      Shift in the relation of inflammatory markers in a collective with polycystic ovary syndrome (PCOS)  
Knebel B.<sup>1</sup>, Lehr S.<sup>1</sup>, Janssen O.E.<sup>2</sup>, Hahn S.<sup>3</sup>, Nitzgen U.<sup>1</sup>, Jacob S.<sup>1</sup>, Muller-Wieland D.<sup>2</sup>, Kotzka J.<sup>1</sup>, <sup>1</sup>Düsseldorf, <sup>2</sup>Hamburg, <sup>3</sup>Wuppertal
- OP 5-4      The LDL receptor related protein 1 (LRP1) facilitates apolipoprotein A5 (apoA5) mediated plasma triglyceride reduction  
Merkel M.<sup>1</sup>, Brügelmann K.<sup>1</sup>, Heeren J.<sup>1</sup>, <sup>1</sup>Hamburg
- OP 5-5      Rare variants in the Lipoprotein Lipase (LPL) gene are common in hypertriglyceridemia but rare in Type III Hyperlipidemia  
Evans D.<sup>1</sup>, Beil F.U.<sup>1</sup>, <sup>1</sup>Hamburg
- OP 5-6      Dynamic changes in lipid metabolism in patients with Gaucher disease type 1 under enzyme replacement therapy  
Zimmermann A.<sup>1</sup>, Al Khzouz C.<sup>2</sup>, Bucerzan S.<sup>2</sup>, Rossmann H.<sup>1</sup>, Leucuta D.<sup>2</sup>, Weber M.M.<sup>1</sup>, Grigorescu-Sido P.<sup>2</sup>, <sup>1</sup>Mainz, <sup>2</sup>Cluj-Napoca
- OP 5-7      Glucose-dependent insulintropic polypeptide influences plasma fatty acids levels in human obesity: a pilot clamp study  
Rudovich N.<sup>1,2</sup>, Pivovarova O.<sup>1,2</sup>, Dörmann P.<sup>3</sup>, Erban A.<sup>4</sup>, Gögebakan Ö.<sup>1,2</sup>, Nauck M.<sup>5</sup>, Nikiforova V.J.<sup>4</sup>, Pfeiffer A.F.H.<sup>1,2</sup>, <sup>1</sup>Nuthetal, <sup>2</sup>Berlin, <sup>3</sup>Bonn, <sup>4</sup>Potsdam-Golm, <sup>5</sup>Bad Lauterberg
- OP 5-8      The metabolic relevance of the UDP-glucose receptor P2Y<sub>14</sub>  
Meister J.<sup>1</sup>, Schöneberg T.<sup>1</sup>, Schulz A.<sup>1</sup>, <sup>1</sup>Leipzig
- OP 5-9      First in men study: electric stimulation for glycaemia control and weight loss in diabetics  
Busch P.<sup>1</sup>, Aberle J.<sup>1</sup>, Duprée A.<sup>1</sup>, Segal V.<sup>2</sup>, Khawaled R.<sup>2</sup>, Roesch T.<sup>1</sup>, Izbicki J.R.<sup>1</sup>, Mann O.<sup>1</sup>, <sup>1</sup>Hamburg, <sup>2</sup>Caesarea

**Freitag, 1.4.2011**  
**14.30-16.00**

Vorsitz: P. Goretzki, Neuss; J. Köhrle, Berlin

## **OP 6 - Schilddrüsenkarzinom**

- OP 6-1      ADM3, TFF3 and LGALS3 are discriminative molecular markers in fine-needle aspiration biopsies of benign and malignant thyroid tumours  
Karger S.<sup>1</sup>, Krause K.<sup>1</sup>, Gutknecht M.<sup>1</sup>, Schierle K.<sup>1</sup>, Graf D.<sup>2</sup>, Steinert F.<sup>3</sup>, Dralle H.<sup>4</sup>, Führer D.<sup>1</sup>, <sup>1</sup>Leipzig, <sup>2</sup>Lüneburg, <sup>3</sup>Schkeuditz, <sup>4</sup>Halle/Saale
- OP 6-2      Feasibility of PAX8/PPARγ rearrangement detection in routine air dried Fine Needle Aspiration (FNA) smears  
Ferraz C.<sup>1</sup>, Krogdahl A.<sup>2</sup>, Rehfeld C.<sup>1</sup>, Bösenberg E.<sup>1</sup>, Hegedüs L.<sup>2</sup>, Paschke R.<sup>1</sup>, Eszlinger M.<sup>1</sup>, <sup>1</sup>Leipzig, <sup>2</sup>Odense
- OP 6-3      Basal and stimulated calcitonin and procalcitonin by various assays in patients with and without medullary thyroid cancer  
Kratzsch J.<sup>1</sup>, Petzold A.<sup>1</sup>, Führer D.<sup>1</sup>, <sup>1</sup>Leipzig
- OP 6-4      Expression and regulation of KCNE2 in human thyroid tumours  
Müller K.<sup>1</sup>, Weidinger C.<sup>1</sup>, Krause K.<sup>1</sup>, Schierle K.<sup>1</sup>, Steinert F.<sup>2</sup>, Schmid K.-W.<sup>3</sup>, Dralle H.<sup>4</sup>, Führer D.<sup>1</sup>, <sup>1</sup>Leipzig, <sup>2</sup>Schkeuditz, <sup>3</sup>Essen, <sup>4</sup>Halle/ Saale
- OP 6-5      Dissecting molecular events in thyroid neoplasia provides first evidence for distinct evolution of subsets of follicular thyroid adenoma and carcinoma  
Krause K.<sup>1</sup>, Eszlinger M.<sup>1</sup>, Sinz A.<sup>2</sup>, Schierle K.<sup>1</sup>, Gimm O.<sup>3</sup>, Dralle H.<sup>2</sup>, Steinert F.<sup>4</sup>, Sheu-Grabellus S.<sup>5</sup>, Schmid K.<sup>5</sup>, Führer D.<sup>1</sup>, <sup>1</sup>Leipzig, <sup>2</sup>Halle, <sup>3</sup>Linköping, <sup>4</sup>Schkeuditz, <sup>5</sup>Essen
- OP 6-6      Distinct pattern of oxidative DNA damage and DNA repair in follicular thyroid tumours  
Karger S.<sup>1</sup>, Krause K.<sup>1</sup>, Engelhardt C.<sup>1</sup>, Weidinger C.<sup>1</sup>, Gimm O.<sup>2</sup>, Dralle H.<sup>2</sup>, Sheu-Grabellus S.-Y.<sup>3</sup>, Schmid K.W.<sup>3</sup>, Führer D.<sup>1</sup>, <sup>1</sup>Leipzig, <sup>2</sup>Halle/Saale, <sup>3</sup>Essen
- OP 6-7      Anti-neoplastic effect of metformin on undifferentiated thyroid cancer and cancer stem cells  
Chen G.<sup>1</sup>, Xu S.<sup>1</sup>, Renko K.<sup>1</sup>, Derwahl M.<sup>1</sup>, <sup>1</sup>Berlin
- OP 6-8      Apoptosis and autophagy induction in dedifferentiated thyroid carcinoma cells after treatment with BH3 mimetic drugs  
Broecker-Preuss M.<sup>1</sup>, Boveleth N.<sup>1</sup>, Gall S.<sup>1</sup>, Rehmann K.<sup>1</sup>, Mann K.<sup>1</sup>, <sup>1</sup>Essen
- OP 6-9      The role of FOXO3 in DNA damage response in thyrocytes  
Klagge A.<sup>1</sup>, Weidinger C.<sup>1</sup>, Krause K.<sup>1</sup>, Führer D.<sup>1</sup>, <sup>1</sup>Leipzig

**Freitag, 1.4.2011**  
**16.30-18.00**

Vorsitz: M. Beuschlein, München; M. Weber, Mainz

## **OP 7 - Nebenniere**

### **Vortrag der Preisträgers „Schöller Junkmann Preis“**

Evidence for an alternative pathway of androgen synthesis in early human life

Nicole Reisch, München

### **Vortrag der Preisträgers „Ernst and Berta Scharrer Prize“**

The left and the right adrenal glands have distinct physiological roles and are differently affected by chronic psychosocial stress

Nicole M. Uschold und Stefan O. Reber, Regensburg

- OP 7-1      Site specific overexpression of Urocortin 2 results in modulation of steroidogenesis in vivo  
Spyroglou A.<sup>1</sup>, Hill A.<sup>1</sup>, Mueller-Peltzer K.<sup>1</sup>, Deussing J.<sup>1</sup>, Beuschlein F.<sup>1</sup>, <sup>1</sup>Munich
- OP 7-2      Rvdd1: an androgen receptor coregulator with a putative role in male genital development  
Grötsch H.<sup>1</sup>, Kunert M.<sup>1</sup>, Struve D.<sup>1</sup>, Gao Z.G.<sup>1</sup>, Hiort O.<sup>1</sup>, Werner R.<sup>1</sup>, <sup>1</sup>Lübeck
- OP 7-3      MicroRNAs as endogenous modulators of Glucocorticoid Receptor expression in the adrenal gland after ACTH stimulation test  
Hill A.<sup>1</sup>, Issler O.<sup>2</sup>, Spyroglou A.<sup>1</sup>, Haramati S.<sup>2</sup>, Chen A.<sup>2</sup>, Beuschlein F.<sup>1</sup>, <sup>1</sup>Munich, <sup>2</sup>Rehovot
- OP 7-4      Exogenous and endogenous induction of bone morphogenetic protein expression in adrenocortical carcinoma *in vitro*  
Schaak K.<sup>1</sup>, Hirsch D.<sup>1</sup>, Plank C.<sup>1</sup>, Anton M.<sup>1</sup>, Beuschlein F.<sup>1</sup>, <sup>1</sup>Munich
- OP 7-5      TP53 and Adrenocortical Cancer - analysis of germline mutations and polymorphic changes in 140 patients  
Herrmann L.<sup>1</sup>, Heinze B.<sup>1</sup>, Fassnacht M.<sup>1</sup>, Willenberg H.<sup>2</sup>, Quinkler M.<sup>3</sup>, Reisch N.<sup>4</sup>, Allolio B.<sup>1</sup>, Hahner S.<sup>1</sup>, <sup>1</sup>Würzburg, <sup>2</sup>Düsseldorf, <sup>3</sup>Berlin, <sup>4</sup>Munich
- OP 7-6      Impact of lymphadenectomy on oncological outcome in patients with adrenocortical carcinoma (ACC): Results from the German ACC Registry  
Reibetanz J.<sup>1</sup>, Kroiss M.<sup>1</sup>, Jurowich C.<sup>1</sup>, Nies C.<sup>2</sup>, Erdogan I.<sup>1</sup>, Quinkler M.<sup>3</sup>, Willenberg H.<sup>4</sup>, Mussack T.<sup>5</sup>, Agha A.<sup>6</sup>, Dralle H.<sup>7</sup>, Gasser M.<sup>1</sup>, Spahn M.<sup>1</sup>, Hahner S.<sup>1</sup>, Allolio B.<sup>1</sup>, Fassnacht M.<sup>1</sup>, German ACC Study group, <sup>1</sup>Würzburg, <sup>2</sup>Osnabrück, <sup>3</sup>Berlin, <sup>4</sup>Düsseldorf, <sup>5</sup>Munich, <sup>6</sup>Regensburg, <sup>7</sup>Halle
- OP 7-7      Eight common genetic variants associated with serum DHEAS levels suggests a key role in ageing mechanisms  
Wallaschofski H.<sup>1</sup>, Zhai G.<sup>2</sup>, Teumer A.<sup>1</sup>, Stolk L.<sup>3</sup>, Perry J.R.B.<sup>4</sup>, Vandenput L.<sup>5</sup>, Coviello A.D.<sup>6</sup>, Koster A.<sup>7</sup>, Harris T.<sup>7</sup>, Murabito J.M.<sup>6</sup>, Ohlsson C.<sup>5</sup>, Murray A.<sup>4</sup>, de Jong F.H.<sup>3</sup>, Spector T.<sup>2</sup>, Charge Consortium - Sex Hormone Working Group, <sup>1</sup>Greifswald, <sup>2</sup>London, <sup>3</sup>Rotterdam, <sup>4</sup>Exeter, <sup>5</sup>Gothenburg, <sup>6</sup>Boston, <sup>7</sup>Bethesda

**Freitag, 1.4.2011**  
**18.15-19.30**

Vorsitz: G. Páth, Freiburg, C. Schöfl, Erlangen

## **OP 8 - Signal Transduktion**

- OP 8-1 Complete mapping of the TSHR hinge region identified further ten TSH interaction sites  
Mueller S.<sup>1</sup>, Szkudlinski M.W.<sup>2</sup>, Schaarschmidt J.<sup>1</sup>, Günther R.<sup>1</sup>, Paschke R.<sup>1</sup>, Jaeschke H.<sup>1</sup>, <sup>1</sup>Leipzig, <sup>2</sup>Rockville
- OP 8-2 The hinge region of the thyrotropin receptor contributes to different signaling profiles of human and bovine thyrotropin and plays a role in negative cooperativity  
Jäschke H.<sup>1</sup>, Schaarschmidt J.<sup>1</sup>, Günther R.<sup>1</sup>, Paschke R.<sup>1</sup>, Müller S.<sup>1</sup>, <sup>1</sup>Leipzig
- OP 8-3 Comparative proteomic analysis of constitutive active TSH receptor mutations associated with differential stimulation of growth and function in the human thyroid  
Krause K.<sup>1</sup>, Boisnard A.<sup>1</sup>, Ludgate M.E.<sup>2</sup>, Eszlinger M.<sup>1</sup>, Krohn K.<sup>1</sup>, Fuhrer D.<sup>1</sup>, <sup>1</sup>Leipzig, <sup>2</sup>Cardiff
- OP 8-4 T3 induces HIF-1 $\alpha$  and represses GLUT1 in human hepatoma cells  
Moeller L.C.<sup>1</sup>, Jaeger A.<sup>1</sup>, Mann K.<sup>1</sup>, Broecker-Preuss M.<sup>1</sup>, <sup>1</sup>Essen
- OP 8-5 Tissue specific regulation of the CGB gene expression in the common marmoset monkey (*Callithrix jacchus*) by SP-1 and AP-2  
Adams C.<sup>1</sup>, Gromoll J.<sup>1</sup>, <sup>1</sup>Münster
- OP 8-5 Mineralo- and glucocorticoid receptor expressions in the male rat heart depend on salt status and androgen levels  
Bartel C.<sup>1</sup>, Hofmann P.J.<sup>1</sup>, Michaelis M.<sup>1,2</sup>, Götz F.<sup>1</sup>, Quinkler M.<sup>1</sup>, Kienitz T.<sup>1</sup>, <sup>1</sup>Berlin, <sup>2</sup>Dummerstorf
- OP 8-7 Genetic determinants of serum testosterone concentrations in men  
Ohlsson C.<sup>1</sup>, Wallaschofski H.<sup>2</sup>, Lunetta K.L.<sup>3</sup>, Stolk L.<sup>4</sup>, Perry J.R.B.<sup>5</sup>, Koster A.<sup>6</sup>, Petersen A.-K.<sup>7</sup>, Eriksson J.<sup>1</sup>, Lehtimäki T.<sup>8</sup>, Huhtaniemi I.T.<sup>9</sup>, Hammond G.L.<sup>10</sup>, Maggio M.<sup>11</sup>, Coviello A.D.<sup>3</sup>, Ferrucci L.<sup>12</sup>, Heier M.<sup>7</sup>, Hofman A.<sup>4</sup>, Holliday K.L.<sup>13</sup>, Jansson J.-O.<sup>1</sup>, Kähönen M.<sup>8</sup>, Karasik D.<sup>3</sup>, Karlsson M.K.<sup>14</sup>, Kiel D.P.<sup>3</sup>, Liu Y.<sup>15</sup>, Ljunggren Ö.<sup>16</sup>, Lorentzon M.<sup>1</sup>, Lyytikäinen L.-P.<sup>8</sup>, Meitinger T.<sup>7</sup>, Mellström D.<sup>1</sup>, Melzer D.<sup>5</sup>, Miljkovic I.<sup>17</sup>, Nauck M.<sup>2</sup>, Nilsson M.<sup>1</sup>, Penninx B.<sup>18</sup>, Pye S.R.<sup>13</sup>, Ramachandran V.<sup>3</sup>, Reincke M.<sup>19</sup>, Tajar A.<sup>13</sup>, Teumer A.<sup>2</sup>, Uitterlinden A.G.<sup>4</sup>, Ulloor J.<sup>3</sup>, Viikari J.<sup>20</sup>, Völker U.<sup>2</sup>, Völzke H.<sup>2</sup>, Wichmann E.H.<sup>7</sup>, Wu T.-S.<sup>10</sup>, Zhuang W.V.<sup>3</sup>, Ziv E.<sup>21</sup>, Wu F.C.W.<sup>13</sup>, Raitakari O.<sup>20</sup>, Eriksson A.<sup>1</sup>, Bidlingmaier M.<sup>19</sup>, Harris T.B.<sup>6</sup>, Murray A.<sup>5</sup>, de Jong F.<sup>4</sup>, Murabito J.M.<sup>3</sup>, Bhasin S.<sup>3</sup>, Vandenput L.<sup>1</sup>, Haring R.<sup>2</sup>, <sup>1</sup>Gothenburg, <sup>2</sup>Greifswald, <sup>3</sup>Boston, <sup>4</sup>Rotterdam, <sup>5</sup>Exeter, <sup>6</sup>Bethesda, <sup>7</sup>Neuherberg, <sup>8</sup>Tampere, <sup>9</sup>London, <sup>10</sup>British Columbia, <sup>11</sup>Parma, <sup>12</sup>Baltimore, <sup>13</sup>Manchester, <sup>14</sup>Malmö, <sup>15</sup>Wake Forest, <sup>16</sup>Uppsala, <sup>17</sup>Pittsburgh, <sup>18</sup>Amsterdam, <sup>19</sup>Munich, <sup>20</sup>Turku, <sup>21</sup>San Francisco
- OP 8-8 Biology of human lipoma cells from a patient with PTEN-Hamartoma-Tumor-Syndrome (PHTS)  
Schmid G.L.<sup>1</sup>, Uhlig H.<sup>1</sup>, Körner A.<sup>1</sup>, Kratzsch J.<sup>1</sup>, Starke S.<sup>1</sup>, Kiess W.<sup>1</sup>, <sup>1</sup>Leipzig