

## Annette Grueters-Kieslich

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### Curriculum vitae

- since 2009 Member, Board of Directors, NeuroCure Cluster of Excellence
- since 2008 Dean of the Charité
- since 2005 Medical Director of the Centre for Women's and Child Health including human genetics at the Charité
- 2004 Appointment as full Professor for Pediatrics (C4) at the medical faculty, Humboldt-Universität zu Berlin
- since 2003 Director of the Institute for Experimental Paediatric Endocrinology, Charité
- 1998 – 2008 Founding Director of the Paediatric Center for Chronically Ill Children of the Otto-Heubner Center, Charité
- 1998 Appointment as full Professor (C3) for Paediatric Endocrinology of the medical faculty, Humboldt-Universität zu Berlin
- 1996 – 2008 Physician-in-chief of the Outpatient Clinic of the Charité Children's Hospital, Freie Universität Berlin and Humboldt-Universität zu Berlin
- 1992 – 1996 Physician-in-chief of the Outpatient Clinic of the Children's Hospital, Freie Universität Berlin
- 1986 – 1993 Assistant Professor of paediatric endocrinology in the Children's Hospital, Freie Universität Berlin
- 1991 Habilitation thesis and formal university academic appointment, lecturer
- 1980 – 1986 Residency in Paediatrics and scientific/research assistant in paediatric endocrinology at the Children's Hospital, Freie Universität Berlin
- 1982 Doctorate, PhD
- 1980 License certification
- 1973 – 1980 Medical studies at the Ruhr-Universität Bochum and Freie Universität Berlin

### Research fields

- Molecular pathogenesis of congenital endocrine diseases especially congenital thyroid disorders
- Pathophysiology & treatment rare genetic childhood obesity
- Transcriptional control of developmental genes, epigenetics, G-protein coupled receptors

### Activities in the scientific community, honors, awards

- 2010 Berthold Medal, German Society for Endocrinology
- 2007 Elected member, Berlin Brandenburg Academy of Sciences
- 2005 Elected member, Scientific Board, Max Delbrück Center for Molecular Medicine
- 2005 Visiting Professor in Endocrinology at the UCLA, Los Angeles, USA
- 2004 Robert Blizzard Lecture (LWPES)
- 2003 Research Award (ESPE)
- 1982 – 1984 Research fellowship (German Research Foundation, DFG), UCLA; Los Angeles, USA, Dept. of Paediatric Endocrinology (Prof. Dr. D. A. Fisher)
- 1981 Marius Tausk Award (German Society for Endocrinology)

## Selected publications

Alatzoglou, KS, Kelberman, D, Cowell, CT, Palmer, R, Arnhold, IJ, Melo, ME, Schnabel, D, Grueters, A and Dattani, MT. Increased transactivation associated with SOX3 polyalanine tract deletion in a patient with hypopituitarism. *J Clin Endocrinol Metab.* 2011; 96, E685-90.

Thorwarth, A, Mueller, I, Biebermann, H, Ropers, HH, Grueters, A, Krude, H and Ullmann, R. Screening chromosomal aberrations by array comparative genomic hybridization in 80 patients with congenital hypothyroidism and thyroid dysgenesis. *J Clin Endocrinol Metab.* 2010; 95, 3446-52.

Kinne, A, Kleinau, G, Hoefig, CS, Gruters, A, Kohrle, J, Krause, G and Schweizer, U. Essential molecular determinants for thyroid hormone transport and first structural implications for monocarboxylate transporter 8. *J Biol Chem.* 2010; 285, 28054-63.

Wirth, EK, Roth, S, Blechschmidt, C, Holter, SM, Becker, L, Racz, I, Zimmer, A, Klopstock, T, Gailus-Durner, V, Fuchs, H, Wurst, W, Naumann, T, Brauer, A, de Angelis, MH, Kohrle, J, Gruters, A and Schweizer, U. Neuronal 3',3,5-triiodothyronine (T3) uptake and behavioral phenotype of mice deficient in Mct8, the neuronal T3 transporter mutated in Allan-Herndon-Dudley syndrome. *J Neurosci.* 2009; 29, 9439-49.

Rediger, A, Tarnow, P, Bickenbach, A, Schaefer, M, Krude, H, Gruters, A and Biebermann, H. Heterodimerization of hypothalamic G-protein-coupled receptors involved in weight regulation. *Obes Facts.* 2009; 2, 80-6.

Raile, K, Klopocki, E, Holder, M, Wessel, T, Galler, A, Deiss, D, Muller, D, Riebel, T, Horn, D, Maringa, M, Weber, J, Ullmann, R and Gruters, A. Expanded clinical spectrum in hepatocyte nuclear factor 1b-maturity-onset diabetes of the young. *J Clin Endocrinol Metab.* 2009; 94, 2658-64.

Kohler, B, Lin, L, Mazen, I, Cetindag, C, Biebermann, H, Akkurt, I, Rossi, R, Hiort, O, Gruters, A and Achermann, JC. The spectrum of phenotypes associated with mutations in steroidogenic factor 1 (SF-1, NR5A1, Ad4BP) includes severe penoscrotal hypospadias in 46,XY males without adrenal insufficiency. *Eur J Endocrinol.* 2009; 161, 237-42.

Kinne, A, Roth, S, Biebermann, H, Kohrle, J, Gruters, A and Schweizer, U. Surface translocation and tri-iodothyronine uptake of mutant MCT8 proteins are cell type-dependent. *J Mol Endocrinol.* 2009; 43, 263-71.

Rajab, A, Kelberman, D, de Castro, SC, Biebermann, H, Shaikh, H, Pearce, K, Hall, CM, Shaikh, G, Gerrelli, D, Grueters, A, Krude, H and Dattani, MT. Novel mutations in LHX3 are associated with hypopituitarism and sensorineural hearing loss. *Hum Mol Genet.* 2008; 17, 2150-9.

Moreno, JC, Klootwijk, W, van Toor, H, Pinto, G, D'Alessandro, M, Leger, A, Goudie, D, Polak, M, Gruters, A and Visser, TJ. Mutations in the iodotyrosine deiodinase gene and hypothyroidism. *N Engl J Med.* 2008; 358, 1811-8.