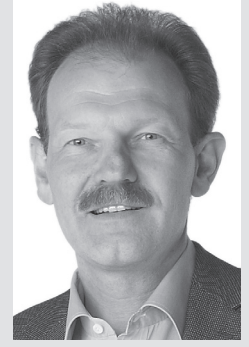


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Curriculum vitae

- since 2011 Professor (W3), Charité - Universitätsmedizin Berlin
Head, research group "Genetics of Metabolic & Reproductive Disorders",
Max Delbrück Center for Molecular Medicine (MDC)
- 2010 – 2011 Professor (W3) and Director, Institute for Molecular Endocrinology, University of
Cologne
- 2000 – 2009 Independent group leader, Developmental Biology Unit, European Molecular Biology
Laboratory (EMBL), Heidelberg
- 1995 – 1999 Postdoctorate, (Advisor: Prof. M. G. Rosenfeld), Howard Hughes Medical Institute,
University of California, San Diego
- 1991 – 1994 PhD thesis in Molecular Biology (Advisors: Prof. T. Graf and Prof. D. Bohmann),
European Molecular Biology Laboratory (EMBL) and University of Heidelberg
- 1984 – 1990 Studies in Biochemistry, Diploma work (Advisor: Prof. S. Jentsch), University of
Tübingen

Research fields

Our group conducts research on:

- Mouse models for human diseases
- Epigenetic regulation of mammalian physiology
- Transcriptional regulation of stem cell populations in organ development

Activities in the scientific community, honors, awards

- 2010 Offer of Nuffield Professorship of Obstetrics and Gynaecology, University of Oxford,
UK (declined)
- 1997 California Breast Cancer fellowship
- 1995 Boehringer Ingelheim Fonds postdoctoral fellowship

Selected publications

Uhlenhaut, NH, Jakob, S, Anlag, K, Eisenberger, T, Sekido, R, Kress, J, Treier, AC, Klugmann, C, Klasen, C, Holter, NI, Riethmacher, D, Schutz, G, Cooney, AJ, Lovell-Badge, R and Treier, M. Somatic sex reprogramming of adult ovaries to testes by FOXL2 ablation. *Cell*. 2009; 139, 1130-42.

Coldren, CD, Lai, Z, Shragg, P, Rossi, E, Glidewell, SC, Zuffardi, O, Mattina, T, Ivy, DD, Curfs, LM, Mattson, SN, Riley, EP, Treier, M and Grossfeld, PD. Chromosomal microarray mapping suggests a role for BSX and Neurogranin in neurocognitive and behavioral defects in the 11q terminal deletion disorder (Jacobsen syndrome). *Neurogenetics*. 2009; 10, 89-95.

Sakkou, M, Wiedmer, P, Anlag, K, Hamm, A, Seuntjens, E, Ettwiller, L, Tschop, MH and Treier, M. A role for brain-specific homeobox factor Bsx in the control of hyperphagia and locomotory behavior. *Cell Metab*. 2007; 5, 450-63.

Attanasio, M, Uhlenhaut, NH, Sousa, VH, O'Toole, JF, Otto, E, Anlag, K, Klugmann, C, Treier, AC, Helou, J, Sayer, JA, Seelow, D, Nurnberg, G, Becker, C, Chudley, AE, Nurnberg, P, Hildebrandt, F and Treier, M. Loss of GLIS2 causes nephronophthisis in humans and mice by increased apoptosis and fibrosis. *Nat Genet*. 2007; 39, 1018-24.

Elling, U, Klasen, C, Eisenberger, T, Anlag, K and Treier, M. Murine inner cell mass-derived lineages depend on Sall4 function. *Proc Natl Acad Sci U S A*. 2006; 103, 16319-24.

Muller, T, Anlag, K, Wildner, H, Britsch, S, Treier, M and Birchmeier, C. The bHLH factor Olig3 coordinates the specification of dorsal neurons in the spinal cord. *Genes Dev*. 2005; 19, 733-43.

Schmidt, D, Ovitt, CE, Anlag, K, Fehsenfeld, S, Gredsted, L, Treier, AC and Treier, M. The murine winged-helix transcription factor Foxl2 is required for granulosa cell differentiation and ovary maintenance. *Development*. 2004; 131, 933-42.

Rosenfeld, MG, Briata, P, Dasen, J, Gleiberman, AS, Kioussi, C, Lin, C, O'Connell, SM, Ryan, A, Szeto, DP and Treier, M. Multistep signaling and transcriptional requirements for pituitary organogenesis in vivo. *Recent Prog Horm Res*. 2000; 55, 1-13; discussion 13-4.

Treier, M, Bohmann, D and Mlodzik, M. JUN cooperates with the ETS domain protein pointed to induce photoreceptor R7 fate in the Drosophila eye. *Cell*. 1995; 83, 753-60.

Treier, M, Staszewski, LM and Bohmann, D. Ubiquitin-dependent c-Jun degradation in vivo is mediated by the delta domain. *Cell*. 1994; 78, 787-98.