



The DFG-funded International Research Training Group in Molecular Endocrinology, Berlin, kindly invites applications from highly qualified and motivated individuals for the third generation of students since 2005 wishing to join the

**International Research and Training Group
(Graduiertenkolleg GRK 1208)**

"Hormonal Regulation of Energy Metabolism, Body Weight and Growth"

Starting April 1, 2010 several scholarships are available: up to 4 for Ph.D. students, 3 for undergraduate medical research M.D. students and 2 qualifying scholarships for the PhD program.

We look for applicants with excellent, above-average qualification in life sciences/medicine.

The research and study program is linked to the Humboldt Graduate School (HGS) Berlin network (<http://humboldt-graduate-school.de>). The structured training program for PhD doctoral students aims for academic grades in 3 years, and projects are closely linked to peer-reviewed research programs and networks such as the DFG Clinical Research Group KFO 218. Successful candidates decide for one of the following research projects in the Clinical and Basic Science Research Teams (details see website):

H. Biebermann:	TAAR receptors
G. Brockmann:	Genetics & Obesity
J. Köhrle & U. Schweizer:	Thyronamine/thyroid hormone transport/metabolism/action
J. Spranger & S. Spuler:	Nutrient-endocrine signals, obesity, muscle
L. Schomburg:	Selenoprotein S and diabetes
A. Schürmann & H. Al-Hasani:	Whole-body glucose & energy homeostasis
C. Strasburger & Arafat:	GH and IGF-1 signalling and actions/role in insulin resistance
H. Krude:	Epigenetic regulation of body weight & metabolism

DFG-funded and associated teams participating in this training, teaching and research network are located at the Charité Campus CBF, CCM or CVK of the Humboldt and the Free University, the German Institute of Human Nutrition, Rehbrücke (DIFE; www.dife.de) and the Max Delbrück Center for Molecular Medicine, Berlin Buch (MDC; <http://www.mdc-berlin.de>).

The interdisciplinary research, study and training program in English language comprises molecular, cellular & clinical endocrinology, pediatric & developmental endocrinology, endocrine epidemiology & pharmacology, genetics, nutrition and metabolism research.

The central idea of this program is to connect research on hormonally regulated processes of differentiation and adaptation to changing requirements of nutrition, environment, and exogenous factors including therapy. Mutual interactions between fine-tuned differentiation-dependent, age-adapted and disease-associated hormonal networks will be examined. To achieve these aims, the introduction of new model organisms and innovative methods and the application of established research principles and procedures of hormone research are required. Novel techniques and tools of molecular biology, genetics, biostatistics, and approaches involving meta-analysis of research data will be employed.

For admission diploma, Staatsexamen or equivalent qualifications, e.g. M.Sc., obtained at German or foreign universities are recognized. PhD scholarships can be awarded for up to 3 years. The stipends amount up to 1400 € (PhD) or 750 € (MD) per month, and, if applicable, family supplement (154 €) are granted. Applicants under 28 years of age are preferentially enrolled. Advanced medical undergraduates with excellent qualifications are invited to apply for participation in the program as "research students" (up to 40 hours/month for a maximum of 12 months). 2 qualifying scholarships will provide the chance to prepare and train for the PhD track within a year.

For detailed information on projects and curriculum, please, visit the homepage of GRK 1280: <http://www.endogk.de/>

Application deadline: February 10, 2010.

Please indicate your project priorities and send your application as one pdf file (including curriculum vitae, credentials, certificates, 2 letters of recommendation, synopsis of diploma/master thesis) to the coordinators office:

Prof. Dr. J. Köhrle (Secretary: Mrs. Elke Abdel-Karim), e-mail: expendo@charite.de.