

## Essen / Ruhr Area

The venue is at the main lecture hall (Audimax) on the campus of the Faculty of Medicine of the University of Duisburg-Essen in the city of Essen. For a detailed location plan please visit:

<http://www.uk-essen.de/metanavigation/anfahrt4/>

Essen is situated in the heart of the Ruhr area, one of the three largest conurbations in Europe. 5.2 million people from 140 nations live in what is one of the richest cultural landscapes in Europe. Essen has been 'European Capital of Culture 2010'.

Essen is the 6th largest city of Germany with a documented history of 1150 years. During the middle of the 19th century, the city developed into the largest site for coal and steel in Europe. Now it is a modern metropolis for trade and services. In the south you will find the wooded hills of the Ruhr, in the north industrial monuments of historical importance. The Zollverein colliery and coking plant has been listed by UNESCO as a world cultural heritage site. Lake Baldeney, created in 1931 as a water reservoir and to purify the Ruhr water, is a popular recreation area in the south of the town (find more information at: [www.essen.de](http://www.essen.de)).



Lake Baldeney

## Accommodation

The following hotels are close to the venue of the meeting. Please mention the code: Hebebrand (before August, 27<sup>th</sup>)

### Hotel an der Gruga

single room 115 € / double room: 145 €  
phone: +49 201 841180 / fax: +49 201 8411869  
e-mail: [grugahotel@wbw-hotels.de](mailto:grugahotel@wbw-hotels.de)

### Best Western Hotel Ypsilon

single room 97 € / double room: 129 €  
phone: +49 201 89690 / fax: +49 201 8969100  
e-mail: [info@ypsilon-hotel.de](mailto:info@ypsilon-hotel.de)

### Hotel Margarethenhöhe

single room 99 € / double room: 115 €  
phone: +49 201 43860 / fax: +49 201 4386100  
e-mail: [info@stadt.mm-hotels.de](mailto:info@stadt.mm-hotels.de)

### Hotel Arosa

single room 88 € / double room: 110 €  
phone: +49 201 7226-0 / fax: +49 201 7226100  
e-mail: [info@hotel-arosa-essen.de](mailto:info@hotel-arosa-essen.de)

### Hotel im Giradet Haus

single room 69 € / double room: 81 €  
phone: +49 201 878800 / fax: +49 201 8788088  
e-mail: [info@hotel-girardet.de](mailto:info@hotel-girardet.de)

### Parkhotel Behr

single room 69 €  
phone: +49 201 779095 / fax +49 2 01 789816  
e-mail: [mail@parkhotel-essen.de](mailto:mail@parkhotel-essen.de)

## Registration / Contact

We kindly ask you to register in advance. The number of participants is limited to 350; registrations on a first come – first serve basis.

Registration before September 8<sup>th</sup>, 2011

Please register and contact us via:

[obesity@uni-due.de](mailto:obesity@uni-due.de)

For detailed information see:

[www.adipositas2011.de](http://www.adipositas2011.de)



Essen, Germany  
October, 8<sup>th</sup>-9<sup>th</sup> 2011

# From Causes of Obesity to Clinical Applications



## Satellite Meeting



## Scope

The ongoing obesity epidemic necessitates a deeper understanding of the underlying mechanisms. Elucidation of the genetic basis of obesity recently revealed 32 risk alleles, which explain between 1-2% of the variance of the body mass index. Because the quantitative effect of these risk alleles ranges from 130 to 1400 grams, it is a matter of debate as to what extent the knowledge of these mechanisms will entail improved diagnostic, treatment and prevention strategies.

The aim of the meeting is to put the success of the molecular genetic analyses of obesity research into a wider perspective. Starting off with genetic analyses in obesity and related disorders the successive talks will also highlight non-genetic explanations for the obesity pandemic. We will subsequently discuss, if the recommendation to lose weight is realistic in light of the strong defence of current body weight and potential side effects of weight loss. First glimpses to potential uses of the genetic findings in prevention and treatment should lead to the final discussion.

The meeting will serve as a discussion forum for research to be pursued for the prevention and treatment of obesity. To explore if and to what extent genetic findings can influence prevention and therapy of obesity, internationally renowned experts will review empirical findings related to their field.

## Scientific Committee, DAG Satellite

**Johannes Hebebrand**

**Anke Hinney**

**André Scherag**

University of Duisburg-Essen

The meeting will be held as a satellite to the 27th annual meeting of the German Obesity Society (DAG Deutsche-Adipositas-Gesellschaft:

<http://www.adipositas2011.de/>).

**Thomas Reinehr (DAG meeting president)**

University of Witten/Herdecke

**Stefan Herpertz (DAG meeting president)**

Ruhr University Bochum

## Lectures

### Session I: Genetic mechanisms in obesity – large scale approaches

**Erik Ingelsson (Sweden)**

GIANT leaps towards a better understanding of obesity?

**Struan Grant (USA)**

EKG consortium: early onset of obesity – are other genes involved?

### Session II: Genetic mechanisms in obesity and related disorders

**Anke Hinney (Germany)**

Monogenic/major gene effects in obesity

**Philippe Froguel (UK)**

Copy number variation in obesity

**Jeanette Erdmann (Germany)**

Coronary artery disease and obesity: Why do genes not overlap?

**David Collier (UK)**

Eating disorders: lessons from obesity

### Session III: Are genetic factors involved in 'non-genetic' explanations of the obesity pandemic?

**David Allison (USA)**

Ten putative contributors to the obesity epidemic

**Stefan Herpertz (Germany)**

Psychological factors explaining weight development

**André Scherag (Germany)**

Some thoughts on "causality" and "heritability" from a methodological point of view

## Lectures

### Session IV: Should we try to fight our fate?

**Matthias Blüher (Germany)**

Weight cycling and longevity in inbred rodent models

**Allison E. Field (USA)**

Weight cycling and mortality among middle-aged or older women

**Thorkild I. Sørensen (Denmark)**

Weight loss may cause increased mortality

### Session V: Are genetic data useful for prevention and therapy?

**Ruth Loos (UK)**

Obesity risk alleles and their potential use in prevention and therapy

**Thomas Reinehr (Germany)**

Genetic markers in obesity therapy

**Johannes Hebebrand (Germany)**

A look at potential side effects of weight loss programs

## Funding, Certification

This Meeting is funded by the German Federal Ministry of Education and Research within the National Genome Research Network plus (NGFNplus).



The meeting is certified with 9 CME points (Ärztekammer Nordrhein).