

# 1<sup>st</sup> International LOCOTACT Conference



## Programme

June 08 – 10, 2023

Atlantic Congress Hotel  
Essen, Germany

## CRC/TR 296 LOCOTACT

### CONFIRMED SPEAKERS

**Anita Boelen**

Amsterdam UMC, The Netherlands

**Krishna Chatterjee**

Cambridge Clinical Research Centre, UK

**Monica Dentice**

University of Naples, Italy

**Anthony Hollenberg**

Boston Medical Center, USA

**Laurent Sachs**

CNRS-MNHN Paris, France

**W. Edward Visser**

EMC Rotterdam, The Netherlands

**Graham Williams**

Imperial College London, UK

### PROGRAMME COMMITTEE

**Dagmar Führer**

MD PhD, Essen

**Heike Heuer**

PhD, Essen

**Jens Mittag**

PhD, Lübeck

**Anna Cirkel**

MD, Lübeck

**Heiko Krude**

MD, Berlin

**Josef Köhrle**

PhD, Berlin

More Infos:



Support:



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## Programme

### THURSDAY, JUNE 8

Time	Session	Speaker	Location
2.30 pm	<b>Arrival &amp; Coffee Break</b>		Conference Foyer
3.00 pm	<b>Welcome &amp; Greetings</b>	Dagmar Führer, Jens Mittag, Heiko Krude, Astrid Westendorf, Vice Rector for Research and Early Career Researchers, University of Duisburg-Essen, Jan Buer, Dean of the Faculty of Medicine, University of Duisburg-Essen	Lecture Hall
3.20 pm	<b>LOCOTACT Mission</b>	Dagmar Führer, University of Duisburg-Essen	Lecture Hall
3.40 pm	<b>Session I</b> Chairs: Ann-Kathrin Schörding & Frank Kaiser	Krishna Chatterjee, Cambridge Clinical Research Centre - "RTHalpha and beta" Heiko Krude, Charité Berlin - "Mutations affecting THRA2: The magic and myths of THRA splicing" Graham Williams, Imperial College London - "Cell-specific mechanisms of T3 action in bone and cartilage" Discussion	Lecture Hall
5.30 pm	<b>Poster Session I</b>		Poster Hall
7.30 pm	<b>Dinner</b>		

### FRIDAY, JUNE 9

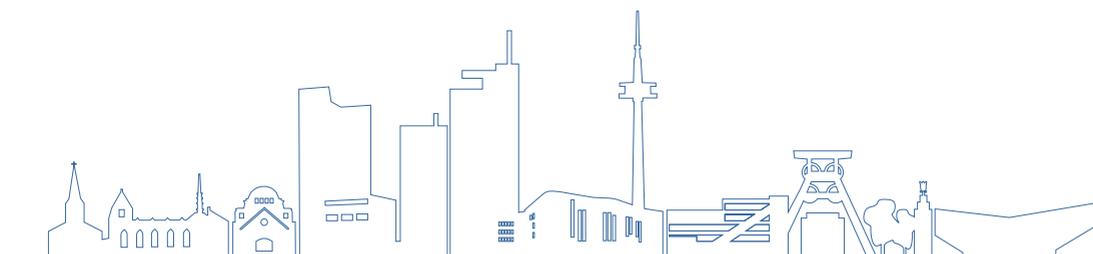
Time	Session	Speaker	Location
8.00 am	<b>Speed Session I</b> Chairs: Joshua Seifert & Frank Tacke	Akila Chandrasekar, University of Lübeck - "Tanycytic thyroid hormone (TH) signalling in the regulation of hypothalamic functions and hormone uptake" (Abstract ID 90) Amanda Rodríguez Diaz, University of Santiago de Compostela - "Role of TRα and TRβ receptors in the control of Hypothalamic Energy Balance" (Abstract ID 76) Lisa Roth, University of Leipzig - "Thyroid hormones regulate Zfp423 expression in regionally distinct adipose depots through direct and cell autonomous action" (Abstract ID 70)	Lecture Hall

Time	Session	Speaker	Location
8.30 am	<b>Session II</b> Chairs: Joshua Seifert & Frank Tacke	Anthony Hollenberg, Boston University - "The Positive and Negative of Thyroid Hormone Action" Henrik Oster, University of Lübeck - "Interaction of thyroid hormones and the circadian clock in the regulation of liver metabolism" Timo D. Müller, Helmholtz Munich - "Targeted-delivery of nuclear acting hormones for the treatment of metabolic diseases" Denise Zwanziger, University of Duisburg-Essen - "Local thyroid hormone action in acute liver failure" Discussion	Lecture Hall
10.15 am	<b>Coffee Break</b>		Conference Foyer
10.30 am	<b>Poster Session II</b>		Poster Hall
12.30 pm	<b>Lunch</b>		Restaurant
1.30 pm	<b>Speed Session II</b> Chairs: Anna Molenaar & Josef Köhrle	Katarzyna A. Ludwik, Charité Berlin - "IPSC-derived hepatocytes for investigation of liver-specific thyroid hormone function" (Abstract ID 65) Eva K. Wirth, Charité Berlin - "Liver-specific thyroid hormone activity in NAFLD and NASH" (Abstract ID 127) Kamil Demircan, Charité Berlin - "Selenium status in breast cancer patients modifies association between tumor deiodinase expression and mortality" (Abstract ID 92)	Lecture Hall
2.00 – 4.00 pm	<b>Session III</b> Chairs: Anna Molenaar & Josef Köhrle	Anita Boelen, Amsterdam UMC - "A mutation in TBL1X results in central congenital hypothyroidism; what happens at the tissue level" Monica Dentice, University of Naples - "The role of the intracellular activation of Thyroid Hormone in the control of muscle energy metabolism" Jens Mittag, University of Lübeck - „Thyroid hormone receptors in controlling heart and liver" Lars C. Möller, University of Duisburg-Essen - "Local thyroid hormone action in alcoholic liver disease" Discussion	Lecture Hall
4.30-9.30 pm	<b>Networking &amp; Dinner</b>		

**SATURDAY, JUNE 10**

Time	Session	Speaker	Location
8.00 am	<b>Speed Session III</b> Chairs: Nuria López Alcántara & Helge Müller-Fielitz	<p><b>Stefanie Dörr</b>, ISAS e.V. Dortmund &amp; University of Duisburg-Essen - "Thyroid hormone (TH) action in chronic ischemic heart disease" (Abstract ID 153)</p> <p><b>Rajas Sane</b>, Charité Berlin - "Establishment of high throughput screen to identify selective deiodinase type 1 inhibitors and assessment of thyroid hormone status in murine hepatocytes" (Abstract ID 166)</p> <p><b>Nina Härting</b>, University of Duisburg-Essen - "Role of the enigmatic TRα2 isoform in regulating thyroid hormone function" (Abstract ID 155)</p>	Lecture Hall
8.30 am	<b>Session IV</b> Chairs: Nuria López Alcántara & Helge Müller-Fielitz	<p><b>Laurent M. Sachs</b>, Museum National d'Histoire Naturelle Paris - "Effects of the combination of thyroid hormones and corticosterone on transcriptome and methylome"</p> <p><b>Robert Opitz</b>, Charité Berlin - "Dissecting the pleiotropic nature of TH action during human cortex development by single cell technologies"</p> <p>Discussion</p>	Lecture Hall
9.50 am	<b>Coffee Break</b>		Conference Foyer
10.15 am	<b>Speed Session IV</b> Chairs: Larissa Anthofer & Paul Pfluger	<p><b>Andrea Alcaide Martín</b>, University of Duisburg-Essen - "Impact of thyroid hormone transport on seizure generation" (Abstract ID 114)</p> <p><b>Daniel Ullrich</b>, University of Duisburg-Essen - "Local Thyroid Hormone transport and action in ischaemic brain injury" (Abstract ID 60)</p> <p><b>Jonas Rotter</b>, University of Leipzig - "Transcriptomic and proteomic MCT8 expression in the adult human brain" (Abstract ID 131)</p> <p><b>Anna Cirkel</b>, UKSH Lübeck - "A brain imaging approach to TH function due to mutations in TH receptors and transporters" (Abstract ID 56)</p>	Lecture Hall

Time	Session	Speaker	Location
10.55 am	<b>Session V</b> Chairs: Larissa Anthofer & Paul Pfluger	<p><b>W. Edward Visser</b>, ERAMUS MC, Rotterdam - "Mechanisms underlying MCT8 deficiency"</p> <p><b>Heike Heuer</b>, University of Duisburg-Essen - "Dissecting the cell-specific function of Mct8 and Oatp1c1 in the murine CNS"</p> <p><b>Markus Schwaninger</b>, University of Lübeck - "Gene therapy of MCT8 deficiency"</p> <p><b>Peter Kühnen</b>, Charité Berlin - "Development of an Experimental Framework to Assess Thyroid Hormone Action in Human Cerebral Organoids"</p> <p>Discussion</p>	Lecture Hall
12.45 pm	<b>LOCOTACT – Quo vadis?</b>	<b>Dagmar Führer</b> , University of Duisburg-Essen	Lecture Hall
1.00 pm	<b>Closing Ceremony</b>	<b>Dagmar Führer, Jens Mittag, Heiko Krude</b>	Lecture Hall
1.15 pm	<b>Lunch</b>		Restaurant



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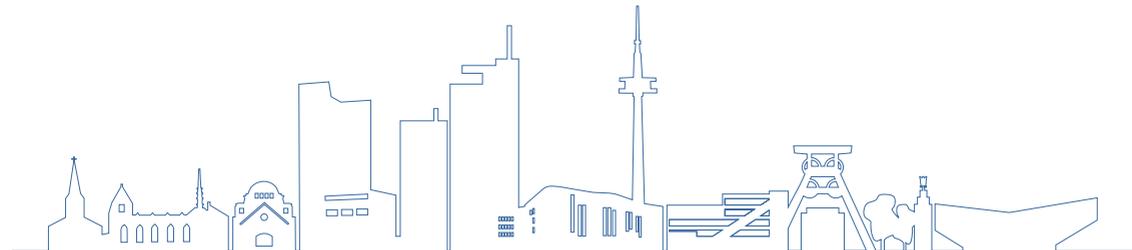
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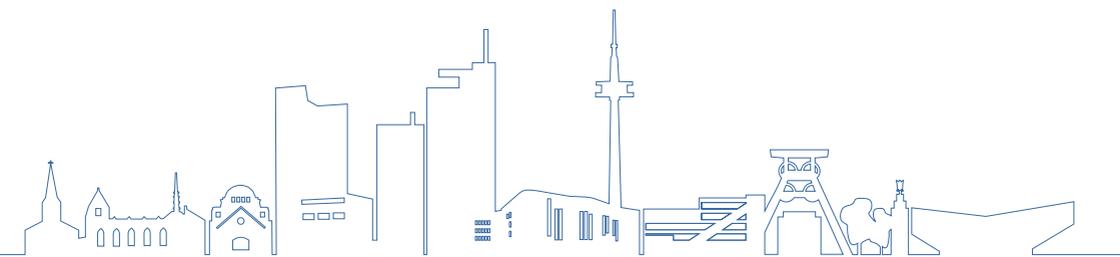
The 1<sup>st</sup> International Locotact Conference is endorsed by

 **European Society  
of Endocrinology**

**DGE**  
Deutsche Gesellschaft für Endokrinologie  
Hormone und Stoffwechsel

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## **CRC/TR 296 Local Control of Thyroid Hormone Action**

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