



Universitätsmedizin Essen

Universitätsklinikum

Klinik für Nuklearmedizin



1st

Essen - Kyoto Summit

September 14th/15th 2023

Invitation

Dear members of the medical faculties of Kyoto University and University Duisburg-Essen, dear honorary guests, dear friends,

It is with great pleasure to invite you to the inaugural and therefore FIRST Essen-Kyoto Summit taking place September 14th/15th in Essen. We are very happy and proud to accommodate excellent speakers and representatives from both the Kyoto University, the second oldest Japanese university, as well as the University of Duisburg-Essen.

We strongly believe that this inaugural event is the beginning of long lasting friendship and academic collaboration between Kyoto University and University Duisburg-Essen.

We are looking forward to welcome you to FIRST Essen-Kyoto Summit.



Ken Herrmann

on behalf of the organizing committee

Japan Commissioner
Faculty of Medicine
Universität of Duisburg-Essen

Program

Thursday, September 14th 2023

13:00 h - **Opening Words**

13:30 h

Thomas Kufen
Lord Mayor of the City of Essen

Karen A. Shire
Vice Rector for University Culture,
Diversity & International Affairs

Setsuko Kawahara
Consul General of Japan

Jochen A. Werner
CEO of Universitätsmedizin Essen

Jan Buer
Dean of the Faculty of Medicine

13:30 h - **Neuropsychiatric imaging**

14:30 h Chairs: Scherbaum / Koelkebeck

**Functional and structural brain imaging
in patients with schizophrenia**

Katja Koelkebeck
LVR-University Hospital Essen
University of Duisburg-Essen

**Rethinking the biopsychosocial model
of psychiatry**

Toshiya Murai
Department of Neuropsychiatry,
Kyoto University

14:30 h - Coffee break

15:00 h

15:00 h - **Neuropsychiatric imaging**
16:00 h Chairs: Scherbaum / Koelkebeck

Introduction into substance disorder research

Norbert Scherbaum
LVR-University Hospital Essen
University of Duisburg-Essen

Imaging studies of gambling disorder – common and different features with substance addiction

Kosuke Tsurumi
Department of Neuropsychiatry
Kyoto University

Possible health benefits and harms of the Internet: neuroimaging studies and questionnaire surveys

Hironobu Fujiwara
Department of Neuropsychiatry
Kyoto University

16:00 h - Coffee break
16:30 h

16:30 h - **Molecular diagnostics and theranostics**
18:00 h Chairs: Nakamoto / Herrmann

Innovative PET Imaging

Yuji Nakamoto
Department of Diagnostic Imaging
and Nuclear Medicine
Kyoto University

Next Gen Theranostics

Ken Herrmann
Department of Nuclear Medicine
University Hospital Essen

FAP Theranostics

Wolfgang Fendler

Department of Nuclear Medicine

University Hospital Essen

Research Progress Report of a Humboldt scholar

Masao Watanabe

Kyoto University,

University Hospital Essen

Fellowship of Department of

Nuclear Medicine

18:15 h

Farewell and end of the event



京都大学

KYOTO UNIVERSITY



MEDIZINISCHE FAKULTÄT
DER UNIVERSITÄT DUISBURG-ESSEN

Program

Friday, September 15th 2023

9:00 h -

Robotics I

10:30 h

Chairs: Sauerwein / Ogata

Rehabilitation

Collaboration between humans and robots in the field of rehabilitation

Koji Ohata

Kyoto/Hokuriku

Mixed reality robotic system for gait rehabilitation by enhancing body sensation

Yoshihiro Miyake / Hirotaka Uchitomi

Dept. of Computer Science

Tokyo Institute of Technology

Patient care

Taking Care of the elderly using smart electronic appliances

Richard Dodel

University of Duisburg-Essen

Use of Artificial Intelligence in Medicine

Jens Kleesiek

Institute for Artificial Intelligence
in Medicine

University Hospital Essen

The Concept of robot for long time care in elderly – Robohelper SASUKE

Narumi Ogata

Muscle Corporation

Kyoto

10:30 h - Coffee break
11:00 h

11:00 h - **Robotics II**
12:30 h Chairs: Ohata / Mattheis

Surgical robots

Robotic assisted neurosurgery

Ulrich Sure / Yahya Ahmadipour
Department of Neurosurgery
University Hospital Essen

Precision Surgery: Robotics, AI, VR, 3D

Stefan Mattheis
Department of Otorhinolaryngology
University Hospital Essen

Robot / human interface

Human-Robot Interaction through the eyes of a child

Ruth M. Ingendoh / Angela Heine
Institute of Psychology
University of Duisburg-Essen

Teaching robotics to medical students

Lorenzo Brualla / Wolfgang Sauerwein
Faculty of Medicine
University of Duisburg-Essen

Closing remarks

Ken Herrmann

12:30 h - Coffee break
13:30 h and Come Together

14:00 **Departure for City Tour**

We thank our title sponsors:



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LVR-Klinikverbund

Wir danken den unterstützenden Firmen, die als Gegenleistung an unserem Symposium teilnehmen, in der Einladung sowie auf einer Präsentationsfolie vor Ort genannt werden, sowie die Möglichkeit haben, Informationsmaterialien hygienisch vor Ort auszugeben. Die Einnahmen werden für Raummiete, Technik, Druckkosten, Referentenreisekosten und Kaffeepausen verwendet.

Organisation & Registration

Link for [registration](#)



Deadline: August 31st 2023

Registration fee: free

Please feel free and contact us
for further information:

E-Mail:

Sekretariat.nuklearmedizin@uk-essen.de

Phone:

0049 201 723 2073

Certification

Fortbildungspunkte wurden bei der Ärztekammer
Nordrhein beantragt.

Location

Deichmann Auditorium

Lehr- und Lernzentrum of Medizinischen Fakultät
der Universität Duisburg-Essen

Virchowstraße 163a

45147 Essen

Arrival Information



U17 stops at „Holsterhauser Platz“



S-Bahn line 106 stops at “Holsterhauser Platz”
or at „Klinikum”



Universitätsmedizin Essen

