

Workshop



# Liver-Gut-Axis

Online Live Event  
January 28-29, 2021



Preliminary  
Program

**Application for  
CME credits  
submitted**

▶	Preface .....	2
▶	Scientific Program .....	4
▶	Posters.....	8
▶	List of Speakers, Moderators and Scientific Organizers .....	9
▶	Information .....	12

CME credits for the Workshop have been applied for at the European Union of Medical Specialists (UEMS). The number of credits awarded will be published in the final program.

## Preface

Dear colleagues, dear friends,

It is my great pleasure to invite you to the workshop „Liver-Gut-Axis“ organized by the Falk Foundation e.V. that will take place from January 28th until January 29th, 2021 preceding the 37th Annual Meeting of the German Association for the Study of the Liver (GASL). Being fully aware of the current pandemic COVID-19 situation both events have been planned as virtual meeting, appreciated and rewarded with an up-to-date agenda on the latest developments in the interplay between liver and gut.

The program of this meeting will therefore cover four areas of major interest:

First, hepatic regeneration in its different aspects spanning from antisense strategies in hereditary liver disease to artificial liver support as well as perioperative anticipation and avoidance of postoperative liver failure. Second, the current concepts in intestinal failure-associated liver disease, which will reflect the latest developments in intestinal rehabilitation and transplantation as well. Third, the field of liver transplantation in a broader sense, covering new concepts of allograft preservation and preconditioning, immune tolerance and living donation. Last, we will focus on the role of microbiota in the liver-gut-axis and its role in different disease entities.

During this workshop, outstanding international experts will discuss the most recent findings regarding these exciting topics. Complementary to the oral presentations there will be accompanying poster sessions on both days. The workshop will be followed by the annual meeting of the GASL to which you are also cordially invited.

I would like to thank all the speakers and participants of this workshop for taking the time to join us in Münster and share their latest findings. I am confident that we will have a highly stimulating workshop that will not only provide new insights into the various aspects of the interplay between liver and gut but also offer new opportunities for future collaborations. I have the privilege to be supported in the organization of this workshop by an experienced and very motivated interdisciplinary team, Hartmut Schmidt, Hauke Heinzow, Benjamin Strücker, and Haluk Morgül, whom I would like to give special thanks. This team represents our common idea of an interdisciplinary visceral medicine joining and amplifying the resources and forces of the field of gastroenterology and hepatology as well as visceral surgery. As a representative in the field of visceral surgery, it is my special concern to revitalize and enhance the contribution of surgical colleagues to the Workshop and the GASL Meeting as well.

Last but not least, I am most grateful to the Falk Foundation for the generous support of this workshop.

We wish you a most enjoyable and insightful meeting and very much look forward to welcoming you to our online live event.

Andreas Pascher  
GASL President 2020/2021  
Professor and Director  
Department of General, Visceral and Transplant Surgery  
Universitätsklinikum Münster

Workshop



# Liver-Gut-Axis

January 28-29, 2021

The 37<sup>th</sup> Annual Meeting of the German Association for the Study of the Liver will follow the Workshop:

January 29, 12.15 h to

January 30, 13.30 h (UTC)

## Scientific Organization:

Univ. Prof. Dr. med. Andreas Pascher,  
MBA, FEBS

Klinik für Allgemein-, Viszeral- und  
Transplantationschirurgie

Universitätsklinikum Münster (UKM)

Albert-Schweitzer-Campus 1, Gebäude W1  
48149 Münster

Germany

Tel.: +49 251-83-56301

E-Mail: andreas.pascher@ukmuenster.de

## Scientific Co-Organization:

B. Strücker, Münster (Germany)

H. Heinzow, Münster (Germany)

M. H. Morgül, Münster (Germany)

H. Schmidt, Münster (Germany)

## Registration:

For details see page 12

## Official Language:

English

## Call for Posters:

A poster session will take place.

For details see page 8

**The Workshop is organized  
by Falk Foundation e.V.**

## Publication Date of the Final Program:

January 2021

The final program will be available on  
the homepage [www.falk-foundation-symposia.org](http://www.falk-foundation-symposia.org) one week before the start  
of the workshop.



# Thursday, January 28, 2021

**12:00** Welcome and opening remarks

A. Pascher,  
Münster

## Session I Hepatic regeneration

**Chairs:** K.J. Oldhafer, Hamburg; A. Pascher, Münster

**12:05** Introduction to the topic

**12:10** Si-antisense strategy for hereditary liver disease

H. Schmidt,  
Münster

**12:25** Q&A

**12:35** Artificial liver support

R. Jalan,  
London

**12:50** Q&A

**13:00** Bioartificial livers – where do we stand?

A. Soto-Gutierrez,  
Pittsburgh

**13:15** Q&A

**13:25** Induction and anticipation of post-resection and post-transplant hepatic regeneration

P.-A. Clavien,  
Zurich

**13:40** Q&A

**13:50** Augmented reality and deep learning for liver surgery

A. Schenk,  
Bremen

**14:05** Q&A

**14:15** Summary & highlights

**14:30 Break**



**Thursday, January 28, 2021**

**Session II**  
**Liver transplantation**

**Chairs:** U. Neumann, Aachen; H. Schmidt, Münster

- 14:55** Introduction to the topic
- 15:00** Machine perfusion of the donor allograft P. Friend,  
Oxford
- 15:15** Q&A
- 15:25** Pretransplant conditioning of (steatotic) donor livers N. Raschzok,  
Berlin
- 15:40** Q&A
- 15:50** Immune tolerance in liver transplantation S. Feng,  
Los Angeles
- 16:05** Q&A
- 16:15** Minimal invasive and robotic-assisted living donor  
hepatectomy D.C. Bröring,  
Riad
- 16:30** Q&A
- 16:40** Summary & highlights
- 16:55** **Closing remarks** A. Pascher,  
Münster



# Friday, January 29, 2021

**7:00** Welcome

A. Pascher,  
Münster

## Session III Intestinal failure-associated liver disease

**Chairs:** J. Brockmann, Münster; U.-F. Pape, Hamburg

**7:05** Introduction to the topic

**7:10** IFALD - Current pathophysiologic concepts

L. Pironi,  
Bologna

**7:25** Q&A

**7:35** Current concepts in intestinal rehabilitation

P.B. Jeppesen,  
Copenhagen

**7:50** Q&A

**8:00** State-of-the-Art-Lecture: Parenteral nutrition

G. Lamprecht,  
Rostock

**8:15** Q&A

**8:25** State-of-the-Art-Lecture: Intestinal and multivisceral transplantation

J. Brockmann,  
Münster

**8:40** Q&A

**8:50** Summary & highlights

**9:05 Break**



# Friday, January 29, 2021

## Session IV Microbiota

**Chairs:** H. Heinzow, Münster; A. Pascher, Münster

- 9:30** Introduction to the topic
- 9:35** The role of the gut-liver axis in the pathogenesis of liver disease B. Schnabl, La Jolla
- 9:50** Q&A
- 10:00** The gut microbiota in dysfunction-associated fatty liver disease N. Lanthier, Louvain
- 10:15** Q&A
- 10:25** State of the art: Fecal microbiota transfer in immunocompromised patient M. Vehreschild, Frankfurt
- 10:40** Q&A
- 10:50** Gut-liver axis and probiotics: What do we know? J. S. Bajaj, Richmond
- 11:05** Q&A
- 11:15** Summary & highlights
- 11:30** Closing remarks A. Pascher, Münster
- 12:15** **Opening of the Annual Meeting of the GASL**



## Call for Posters

Please submit your poster abstract before **November 30, 2020**. Only one-page abstracts not exceeding 300 words and written in English will be accepted.

Abstracts must be submitted via our Internet Abstract Submission System (<https://poster.falkfoundation.com>) where further information regarding the submission format and the submission process is provided.

The abstracts will be selected by the scientific organizers, preference being given to those thematically related to one of the sessions of the program. The accepted abstracts will be published.

The authors will receive notification about acceptance and further instructions in **December 2020**.

Contact address for further information on the poster session:

Falk Foundation e.V.  
Congress Department  
Leinenweberstr. 5  
79108 Freiburg  
Germany  
Telephone: +49-761-1514-125  
Telefax: +49-761-1514-359

Web address for submitting poster abstracts:  
<https://poster.falkfoundation.com>

## Poster Session

There will be a virtual poster session on January 28-29, 2021. All authors of accepted posters will receive further information by email.

# List of Speakers, Moderators and Scientific Organizers

## **Prof. Dr. Jasmohan S. Bajaj**

Central Virginia Veterans Healthcare System  
GI section-111N  
1201 Broad Rock Boulevard  
Richmond, VA 23249  
USA  
jasmohan.bajaj@vcuhealth.org

## **Prof. Dr. Jens Brockmann**

Klinik für Allgemein-, Viszeral- und Transplantationschirurgie  
Universitätsklinikum Münster  
Albert-Schweitzer-Campus 1, Gebäude W1  
48149 Münster  
Germany  
jens.brockmann@ukmuenster.de

## **Prof. Dr. med. Dieter C. Bröring**

King Faisal Specialist Hospital & Research Centre  
Zahrawi St, Al Maather, Al Maazer  
Riyadh 12713  
Saudi Arabia  
dbroering@kfshrc.edu.sa

## **Prof. Dr. Pierre-Alain Clavien**

Klinik für Viszeral- und Transplantationschirurgie  
Universitätsspital Zürich  
Rämistr. 100  
8091 Zurich  
Switzerland  
clavien@access.uzh.ch

## **Prof. Dr. Sandy Feng**

University of California San Francisco  
505 Parnassus Avenue  
Box 0780  
San Francisco, CA 94143-0780  
USA  
sandy.feng@ucsf.edu

## **Prof. Dr. Peter Friend**

Nuffield Department of Surgical Sciences  
John Radcliffe Hospital, Headington,  
Oxford, OX3 9DU  
Great Britain  
peter.friend@nds.ox.ac.uk

## **Prof. Dr. Hauke Heinzow**

Medizinische Klinik B für Gastroenterologie und Hepatologie  
Universitätsklinikum Münster  
Albert-Schweitzer-Campus 1  
48149 Münster  
Germany  
hauke.heinzow@ukmuenster.de

## **Prof. Dr. Rajiv Jalan**

UCL Institute for Liver & Digestive Health  
Royal Free Hospital  
Pond Street  
London, NW3 2 QG  
Great Britain  
r.jalan@ucl.ac.uk

## **Prof. Dr. Palle Bekker Jeppesen**

Department of Gastroenterology and Hepatology  
Rigshospitalet  
Blegdamsvej 9  
2100 Copenhagen  
Denmark  
palle.bekker.jeppesen@regionh.dk

## **Prof. Dr. Georg Lamprecht**

Zentrum für Innere Medizin  
Gastroenterologie  
Universitätsmedizin Rostock  
Ernst-Heydemann-Str. 6  
18057 Rostock  
Germany  
georg.lamprecht@med.uni-rostock.de

**Prof. Dr. Nicolas Lanthier**

Laboratory of Hépato-Gastroenterology  
UCLouvain  
Avenue Mounier, 52, box B1.52.01  
1200 Brussels  
Belgium  
nicolas.lanthier@uclouvain.be

**Dr. Mehmet Haluk Morgül**

Klinik für Allgemein-, Viszeral- und  
Transplantationschirurgie  
Universitätsklinikum Münster  
Albert-Schweitzer-Campus 1, Gebäude W1  
48149 Münster  
Germany  
haluk.morguel@ukmuenster.de

**Univ.-Prof. Dr. Ulf Peter Neumann**

Allgemein- und Viszeralchirurgie  
Universitätsklinik RWTH Aachen  
Pauwelstr. 30  
52074 Aachen  
Germany  
chirurgie@ukaachen.de

**Prof. Dr. Karl J. Oldhafer**

Allgemein- und Viszeralchirurgie  
Asklepios Klinik Barmbek  
Rübenkamp 220  
22307 Hamburg  
Germany  
k.oldhafer@asklepios.com

**Dr. Ulrich-Frank Pape**

Innere Medizin und Gastroenterologie  
Asklepios Klinik St. Georg  
Lohmühlenstr. 5  
20099 Hamburg  
Germany  
ul.pape@asklepios.com

**Univ.-Prof. Dr. Andreas Pascher**

Klinik für Allgemein-, Viszeral- und  
Transplantationschirurgie  
Universitätsklinikum Münster  
Albert-Schweitzer-Campus 1, Gebäude W1  
48149 Münster  
Germany  
andreas.pascher@ukmuenster.de

**Prof. Dr. Loris Pironi**

Department of Digestive System  
St. Orsola-Malpighi Hospital  
Department of Medical and Surgical  
Sciences  
University of Bologna  
Policlinico S. Orsola-Malpighi  
Via Massarenti 9  
40138 Bologna  
Italy  
loris.pironi@unibo.it

**PD Dr. med. Nathanael Raschzok, MD**

Campus Charité Mitte /  
Campus Virchow-Klinikum  
Charité – Universitätsmedizin Berlin  
Augustenburger Platz 1  
13353 Berlin  
Germany  
nathanael.raschzok@charite.de

**Dr.-Ing. Andrea Schenk**

Fraunhofer Institute for Digital Medicine  
MEVIS  
Am Fallturm  
128359 Bremen  
Germany  
andrea.schenk@mevis.fraunhofer.de

**Univ.-Prof. Dr. med. Hartmut Schmidt**

Medizinische Klinik B für Gastroenterologie  
und Hepatologie  
Universitätsklinikum Münster  
Albert-Schweitzer-Campus 1,  
Gebäude A14  
48149 Münster  
Germany  
hepar@ukmuenster.de

**Prof. Dr. Bernd Schnabl**

Department of Medicine  
Division of Gastroenterology  
University of California  
9500 Gilman Drive  
La Jolla CA 92093  
USA  
beschnabl@ucsd.edu

**Alejandro Soto-Gutierrez, MD, PhD**

Associate Professor  
Department of Pathology  
Team Leader, Regenerative Medicine SIG  
S423 Biomedical Science Tower  
200 Lothrop Street  
Pittsburgh, PA 15261  
USA  
alejandro.soto-gutierrez@chp.edu

**Prof. Dr. Maria Vehreschild**

Medizinische Klinik II  
Universitätsklinikum Frankfurt  
Theodor-Stern-Kai 7  
Haus 23  
60590 Frankfurt am Main  
Germany  
maria.vehreschild@kgu.de

**Priv.-Doz. Dr. Benjamin Strücker, FEBS**

Klinik für Allgemein-, Viszeral- und  
Transplantationschirurgie  
Universitätsklinikum Münster  
Albert-Schweitzer-Campus 1, Gebäude W1  
48149 Münster  
Germany  
benjamin.struecker@ukmuenster.de

## General Information

Falk Foundation e.V.  
Congress Department  
Leinenweberstr. 5  
79108 Freiburg  
Germany

Telephone: +49-761-1514-125  
Telefax: +49-761-1514-359  
Email: [symposia@falk-foundation-symposia.org](mailto:symposia@falk-foundation-symposia.org)

## Congress Fees

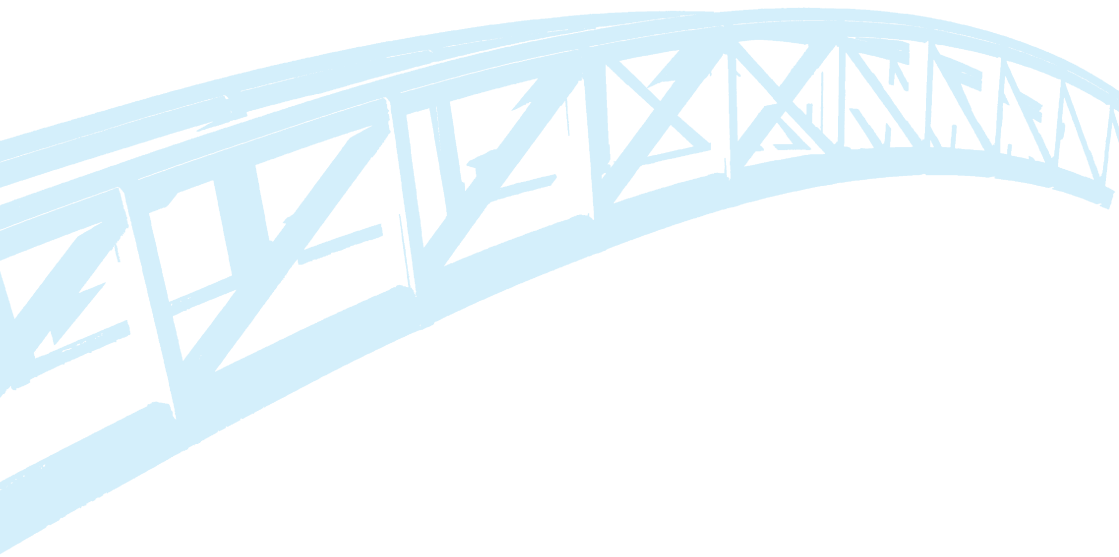
The Online Live Event „Liver-Gut-Axis“ is free of charge.

## Registration

You can register online under the following link:  
<https://register.falkfoundation.com>



After registration you will receive a confirmation with your login details.



## Organized by:

FALK FOUNDATION e.V.



Leinenweberstr. 5  
79108 Freiburg  
Germany

Congress Department

Telephone: +49-761-1514-125

Telefax: +49-761-1514-359

E-Mail: [symposia@falk-foundation-symposia.org](mailto:symposia@falk-foundation-symposia.org)

[www.falk-foundation-symposia.org](http://www.falk-foundation-symposia.org)