

Symposium 207



Gut Microbiome and Mucosal or Systemic Dysfunction: Mechanisms, Clinical Manifestations and Interventions

May 19 – 20, 2017

Brisbane Convention &
Exhibition Centre
Brisbane, Australia

Preliminary Program



**Application for
CME credits
submitted**

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CME credits for the Symposium 207 have been applied for at the European Union of Medical Specialists (UEMS) – European Board of Gastroenterology (EBG). The number of credits awarded will be printed in the final program.

Preface

In recent years medicine has witnessed an astonishing paradigm shift. For decades it was believed that for most diseases the individual risk was defined by the genetic make-up, potentially modified by the environment and lifestyle-factors. It has now emerged that the gut microbiome plays an equally important role for many gastrointestinal and non-gastrointestinal disorders. This opens astonishing new avenues to understand and target disease mechanisms in particular in relation to immune mediated diseases but might be equally important for the prevention of disease. Thus the organisers Gerald Holtmann and Mark Morrison from Brisbane, Nicholas Talley from Newcastle, William Chey from Ann Arbor, and Peter Gibson from Melbourne in close collaboration with other experts in the field have developed a scientific program that brings together basic scientists and clinicians from many disciplines to define our current knowledge and define future directions that are relevant for the translation of this knowledge into clinical practice.

On behalf of the scientific committee

Prof. Gerald Holtmann, Brisbane



Gut Microbiome and Mucosal or Systemic Dysfunction: Mechanisms, Clinical Manifestations and Interventions

May 19 – 20, 2017

**Brisbane Convention & Exhibition Centre
Brisbane, Australia**

Registration:

Thursday, May 18, 2017
16.00 – 21.00 h
at the congress office

Congress Venue:

Brisbane Convention & Exhibition Centre
Merivale St & Glenelg Street
South Brisbane, QLD 4101
Australia

The Symposium 207 is organized by Falk Foundation e.V.

Scientific Organization:

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P.R. Gibson, Melbourne (Australia)
M. Morrison, Brisbane (Australia)
M. Simrén, Gothenburg (Sweden)
N.J. Talley, Newcastle (Australia)

Official Language:

English

Call for Posters:

A poster session will take place.
For details see page 11.

Publication Date of the Final Program:

May 2017

The final program will be available on the homepage www.falk-foundation-symposia.org one week before.



Friday, May 19, 2017

8.30 Welcome

G. Holtmann,
Brisbane

8.40 Minister for innovation, science and digital economy

Hon Leanne Enoch,
Brisbane

Session I

The fundamentals and how to determine what really matters

Chair: P. Hugenholtz, Brisbane; H.M. Mitchell, Sydney

8.50 State-of-the-Art Lecture:
Ecogenomics and its applications to health and disease

G. Tyson,
Brisbane

9.25 Crosstalk between microbiota, pathogens and the innate immune responses

J. Wehkamp,
Tübingen

9.45 Morphology of inflammatory changes of the mucosa: Time to reassess inflammatory responses of the mucosa

M. Walker,
Newcastle

10.05 Making it all fit - New data analysis methods for integrating microbiome data with other clinical measures

K.-A. Le Cao,
Brisbane

10.25 Assessment of symptoms in FGID and IBD studies that target the GI microbiome

M.P. Jones,
Sydney

10.45 Coffee break with poster session

Session II

Microbiome-host interactions

Chair: M. Morrison, Brisbane; C. O'Brien, Canberra

11.15 State-of-the-Art Lecture:
Commensal microbes, GI immunity, and homeostasis

P. Langella,
Paris

11.45 Does host genotype shape the gut microbiota?

M. Brown,
Brisbane

12.05 How does the gut microbiota affect the epigenome?

M.V. Joglekar,
Sydney

12.25 A question of culture? Development and differentiation of the mucosal and luminal microbiomes

P. O Cuiv,
Brisbane



Friday, May 19, 2017

- | | | |
|--------------|--|--------------------------|
| 12.45 | The role of mucins in shaping the microbiome? | M. McGuckin,
Brisbane |
| 13.05 | How does epithelial cell stress affect the nutrient and physical landscapes of the microbiome? | S. Keely,
Newcastle |
| 13.25 | Oral poster presentation | N.N. |
| 13.45 | Lunch with poster session | |

Session III

The gastrointestinal microbiome, diet and management of chronic diseases

Chair: E. Powell, Brisbane; S. Roberts, Melbourne

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|--------------|--|-----------------------------|
| 14.45 | Diet, microbiome, and Aryl hydrocarbon receptor biology: What are the links? | S. Pettersson,
Singapore |
| 15.05 | Diets, functional foods, such as EEN or PEN and inflammatory bowel diseases | P. Lewindon,
Brisbane |
| 15.25 | Pre-, pro- and synbiotics for chronic kidney disease | K. Campbell,
Brisbane |
| 15.45 | The microbiome and obesity: cause, consequence or both? | A. Holmes,
Sydney |
| 16.05 | Oral poster presentation | N.N. |
| 16.25 | Coffee break with poster session | |



Friday, May 19, 2017

Session IV

Intended and unintended alterations of the human microbiome

Chair: N.N.; M. Grimm, Sydney

16.45 State-of-the-Art Lecture:

Comparative efficacy of traditional treatments and treatments targeting the microbiome in IBD and IBS

P. Moayyedi,
Hamilton

17.15 The FODMAP diet - A microbiome targeted intervention and what could be the consequences?

M. Chen,
Guangzhou

**17.35 Debate: Faecal microbiota transplantation:
Are we ready for prime-time?**

Chair: W.D. Chey, Ann Arbor

PRO

M.A. Kamm,
Melbourne

CONTRA

J. Andrews,
Adelaide

17.55 Summary of the day

M. Simrén,
Gothenburg

18.00 Scientific discussion with snacks



Saturday, May 20, 2017

Session V

The gastrointestinal microbiome and extraintestinal diseases

Chair: B. Kendall, Brisbane; N.N.

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|--------------|---|----------------------------|
| 8.30 | State-of-the-Art Lecture:
Microbiome and brain function in health and disease | E.A. Mayer,
Los Angeles |
| 9.00 | Anxiety and depressive disorders, the inflammasome, and the gut microbiome | N.N. |
| 9.20 | The microbiome and immune-mediated diseases | R. Thomas,
Brisbane |
| 9.40 | Friend or foe: The microbiome in liver disease | L. Adams,
Perth |
| 10.00 | Oral poster presentation | N.N. |
| 10.20 | Coffee break with poster session | |

Session VI

Targeting the mucosal microbiome and mucosal immune responses

Chair: T. Florin, Brisbane; R. Leong, Sydney

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|--------------|--|--------------------------|
| 10.50 | State-of-the-Art Lecture:
The function of M cells in host-microbe interactions | H. Ohno,
Yokohama |
| 11.20 | The mucosal microbiome of the upper GI tract and its role in FGIDs | E. Shanahan,
Brisbane |
| 11.40 | The gut-lung axes and COPD | K.M. Fock,
Singapore |
| 12.00 | The microbiome, autophagy and IBD | J. Begun,
Brisbane |
| 12.20 | Characterising local and systemic immune response in functional dyspepsia | A. Do,
Brisbane |



Saturday, May 20, 2017

12.40 Oral poster presentation

N.N.

13.00 Presentation of poster awards

P.R. Gibson,
Melbourne

13.15 Lunch break with poster session

Session VII

What are the challenges and opportunities of future approaches to maintain or improve health and wellbeing by targeting the microbiome?

Chair: K.M. Fock, Singapore; R. Ward, Brisbane

14.10 State-of-the-Art Lecture:

The current and future assessment and targeted modulation of the gastrointestinal microbiome in the clinical setting

E.M.M. Quigley,
Houston

14.40 The host genes and associations with the microbiome: Implications for targeted interventions

N.N.

15.00 The effect of eradication therapy of *H. pylori* on the gut microbiota

K. Sugano,
Tochigi

15.20 Coffee break with poster session

15.50 Translational research strategies to fight the spread of antimicrobial resistance

I. Autenrieth,
Tübingen

16.10 The clinician's perspective of needs and opportunities in developing countries

N.N.

16.30 Oral poster presentation

N.N.

16.50 Summary & conclusions

G. Holtmann,
Brisbane

N.J. Talley,
Newcastle

M. Morrison,
Brisbane

Poster Session

Posters will be exhibited on May 19 and May 20, 2017 in the Brisbane Convention & Exhibition Centre. The authors will be in attendance during coffee and lunch breaks on both days.

Call for Posters

Please submit your poster abstract before **February 15, 2017**. Only one-page abstracts not exceeding 300 words, written in English and saved in Microsoft Word format will be accepted.

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

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 printed and distributed to the participants of the congress together with the documents of the meeting.

The authors will receive notification about acceptance and further instructions in **March 2017**.

Contact address for further information on the poster session:

Falk Foundation e.V.
Congress Department
Leinenweberstr. 5
79108 Freiburg (Germany)
Telephone: +49 (0)761/1514-125
Telefax: +49 (0)761/1514-359

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

For the **first author** of an accepted poster, expenses for accommodation (May 18-21, 2017) and fees for the scientific program will be covered during the Symposium 207. Travel expenses will not be covered.

Poster Awards

Three prizes will be awarded for the best poster abstracts. **During the presentation of poster awards, award winners will be asked to give a short presentation (2-5 min.) of their poster.** Award winners will be presented with a certificate and prize money for EUR 1.500,-, EUR 1.000,- and EUR 500,- respectively. Travel expenses will be covered additionally for the first author of an awarded poster.

List of Speakers, Moderators and Scientific Organizers

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General Information

Prior to the opening of the congress in Brisbane

Falk Foundation e.V.	Telephone: +49 (0)0761/1514-125
Congress Department	Telefax: +49 (0)761/1514-359
Leinenweberstr. 5	E-mail: symposia@falk-foundation-symposia.org
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Germany	

Congress Office

During the Symposium in Brisbane

Congress Office Telephone: +49 (0)175/7795327

Opening Hours:

Thursday, May 18, 2017	16.00 – 21.00 h
Friday, May 19, 2017	7.00 – 18.00 h
Saturday, May 20, 2017	8.00 – 17.00 h

Brisbane Convention &
Exhibition Centre
Merivale St & Glenelg Street
South Brisbane, QLD 4101
Australia

Congress Fees

Scientific program of Symposium 207	EUR 200,-
For students (copy of student ID required)	EUR 100,-
Day Ticket	EUR 120,-
For students (copy of student ID required)	EUR 60,-

The congress fees include:

- Pre-Opening and Welcome on May 18, 2017
- Refreshments during coffee breaks
- Lunch on May 19 and May 20, 2017
- Snacks during scientific discussion on May 19, 2017
- A copy of the abstract volume
- A copy of the final program

Registration

Congress registrations must reach the Falk Foundation e.V. by **March 31, 2017 at the latest**.

After receipt of the registration form each participant will be provided with confirmation of his registration/invoice. On presentation of this confirmation at the congress office in Brisbane participants will receive the congress folder containing name badge and the abstract volume.

All participants will receive a written confirmation of attendance and CME credits at the meeting.

Admission to Scientific Program

For admission to scientific program your name badge should be clearly visible.

Airport

Brisbane Airport: <http://www.bne.com.au/>
(approx. 18 km from the congress venue)



Organized by:

FALK FOUNDATION e.V.



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