XXXth International Workshop on Helicobacter & Microbiota in Inflammation and Cancer

in conjunction with the EHMSG/SNFGE Postgraduate Course

Antibiotherapy and the Gut - New Concepts

September 6 – 9, 2017 | Bordeaux | France

Final Programme

www.ehmsg.org
Scan this QR code to download the programme of the EHMSG Workshop, the Master Class and the Postgraduate Course as pdf file. You may need to download a QR code scanner in the App Store or Google Play Store.
XXXth International Workshop
on Helicobacter & Microbiota in Inflammation and Cancer
in conjunction with the EHMSG/SNFGGE Postgraduate Course
Antibiotherapy and the Gut - New Concepts

September 6 – 9, 2017
Bordeaux
France
Awardees of the Marshall and Warren Medal

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>Jean-Charles Delchier</td>
<td>France</td>
</tr>
<tr>
<td>2016</td>
<td>Ken Sugano</td>
<td>Shimotsuke, Japan</td>
</tr>
<tr>
<td>2015</td>
<td>Heidi-Ingrid Maaroos</td>
<td>Tartu, Estonia</td>
</tr>
<tr>
<td>2014</td>
<td>Manfred Kist</td>
<td>Freiburg, Germany</td>
</tr>
<tr>
<td>2013</td>
<td>Masahiro Asaka</td>
<td>Sapporo, Japan</td>
</tr>
<tr>
<td>2012</td>
<td>Richard Hunt</td>
<td>Hamilton, ON, Canada</td>
</tr>
<tr>
<td>2011</td>
<td>Samy Cadranel</td>
<td>Brussels, Belgium</td>
</tr>
<tr>
<td>2010</td>
<td>Reinhold W. Stockbrügger</td>
<td>Maastricht, The Netherlands</td>
</tr>
<tr>
<td>2009</td>
<td>Pelayo Correa</td>
<td>Nashville, TN, United States</td>
</tr>
<tr>
<td>2008</td>
<td>Timo Kosunen</td>
<td>Helsinki, Finland</td>
</tr>
<tr>
<td>2007</td>
<td>Mike Dixon</td>
<td>Leeds, United Kingdom</td>
</tr>
<tr>
<td>2006</td>
<td>Barry Marshall</td>
<td>Perth, Australia &amp;</td>
</tr>
<tr>
<td></td>
<td>with Stanislav Konturek</td>
<td>Cracow, Poland</td>
</tr>
</tbody>
</table>

NEXT EHMSG WORKSHOP

Kaunas, Lithuania, September 14-15, 2018
Dear Colleagues, Dear Friends,

Welcome to Bordeaux for the 30th annual gathering of the EHMSG.

It is a great pleasure for our group who followed the path opened by B. Marshall and R. Warren, to invite you to learn about the latest achievements in the field. Obviously, as with any living group, there is a necessary turnover and several members have changed since the early days. However, the newest members are as enthusiastic as their predecessors about H. pylori and its counterparts inhabiting the gut.

It is also a special pleasure for me who organized the first congress 29 years ago, in 1988, to have you in our lovely city of Bordeaux which has indeed changed a lot, and for the better, over the past years – making it a city of which everyone is now envious!

We will have the privilege at this meeting to listen to the best researchers in the field. I have no doubt that you will enjoy the scientific programme but I also ask you to take time to have a look outside. You will not regret it!

With my best wishes,

Francis Mégraud
President of the EHMSG
COMMITTEES – ORGANISATION

Local Organizing Committee

Local Organising Committee
Francis Mégraud
Emilie Bessède
Pierre Dubus
David Laharie
Philippe Lehours
Armelle Ménard
Claire Roubaud
Nathalie Salles
Cathy Staedel
Christine Varon
Frank Zerbib

Scientific Committee
Francis Mégraud, Bordeaux
Philippe Lehours, Bordeaux
Sébastien Breurec, Pointe à Pitre
Christophe Burucoa, Poitiers
Jean Dominique de Korwin, Nancy
Hilde de Reuse, Paris
Joël Doré, Jouy en Josas
Frédéric Heluwaert, Annecy
Nicolas Kalach, Lille
Dominique Lamarque, Boulogne Billancourt
Philippe Marteau, Paris
Driffa Moussata, Tours
Josette Raymond, Tours
Elie Thevenet, Paris

European Helicobacter and Microbiota Study Group (EHMSG)

President
Francis Mégraud, France

Members and International Scientific Committee
Leif P. Andersen, Denmark
Lars Engstrand, Sweden
Bram Flahou, Belgium
Antonio Gasbarrini, Italy
Javier P. Gisbert, Spain
Georgina L Hold, United Kingdom
Ernst Kuipers, The Netherlands
Marcis Leja, Latvia
José C. Machado, Portugal
Peter Malferttheiner, Germany
Colm A. O’Morain, Ireland
Ari P. Ristimäki, Finland
Theodore Rokkas, Greece
Herbert Tilg, Austria

Emeritus Members
Anthony Axon, United Kingdom
Michel A.L. Deltenre, Belgium
Giovanni Gasbarrini, Italy
Alexander M. Hirschl, Austria
Pierre Michetti, Switzerland
José M. Pajares Garcia, Spain
Ashley B. Price, United Kingdom
Mario G. Quina, Portugal
Erik A.J Rauws, The Netherlands
Pentti I. Sipponen, Finland
Torkel M. Wadström, Sweden

Honorary Members
Franco Bazzoli, Italy
James G. Fox, United States
David Y. Graham, United States
Adrian Lee, Australia
Barry Marshall, Australia
Guido N.J. Tytgat, The Netherlands

Corresponding Fellows
Niyaz Ahmed, India
Dmitry Bordin, Russia
Luis G. Vaz Coelho, Brazil
Yong Chan Lee, Korea
Varocha Mahachai, Thailand
Yaron Niv, Israel
Chung-Ying Wu, Taiwan
Yoshio Yamaoka, Japan
Weicheng You, China

Organising Office
Core Agency
Vienna Medical Academy
Alser Strasse 4
1090 Vienna, Austria
Phone: +43 1 405 13 83 0
Fax: +43 1 407 82 74
workshop@ehmsg.org

Workshops of the EHMSG
- Bordeaux (1988)
- Ulm (1989)
- Toledo (1990)
- Bologna (1991)
- Dublin (1992)
- Brussels (1993)
- Houston (1994)
- Copenhagen (1996)
- Lisbon (1997)
- Budapest (1998)
- Helsinki (1999)
- Rome (2000)
- Strasbourg (2001)
- Athens (2002)
- Vienna (2004)
- Copenhagen (2005)
- Wroclaw (2006)
- Istanbul (2007)
- Riga (2008)
- Porto (2009)
- Rotterdam (2010)
- Dublin (2011)
- Ljubljana (2012)
- Madrid (2013)
- Rome (2014)
- Nicosia (2015)
- Magdeburg (2016)
- Bordeaux (2017)
MAP OF THE PALAIS DES CONGRES

- Exhibition - Posters
- Coffee - Lunch
- Amphitheatre A
- Amphitheatre C
- Main Entrance

www.ehmsg.org
### Wednesday, September 6, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00 - 16:30</td>
<td>Master Class - Gut Microbiota</td>
<td>Hôtel Pullman Bordeaux Aquitania, Salle Aliénor</td>
</tr>
<tr>
<td>16:30 - 17:00</td>
<td>Coffee Break</td>
<td>Hôtel Pullman Bordeaux Aquitania</td>
</tr>
<tr>
<td>17:00 - 19:00</td>
<td>Symposium – Microbiota in Colonic Diverticular Disease</td>
<td>Hôtel Pullman Bordeaux Aquitania, Salle Rohan B</td>
</tr>
<tr>
<td>19:30</td>
<td>Networking Event</td>
<td>Bordeaux City Hall</td>
</tr>
</tbody>
</table>

### Thursday, September 7, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:15 - 18:30</td>
<td>EHMSG Postgraduate Course “Antibiotherapy and the Gut - New Concepts” Organized with the partnership of the SNFGE</td>
<td>Hôtel Pullman Bordeaux Aquitania</td>
</tr>
<tr>
<td>08:15 - 08:30</td>
<td>Introduction</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>08:30 - 09:30</td>
<td>The Players</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>09:30 - 10:00</td>
<td>Coffee Break</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>10:00 - 12:00</td>
<td>Impact of antibiotics on gut microbiota in specific conditions</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>12:00 - 13:30</td>
<td>Lunch Break</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>13:30 - 16:10</td>
<td>Antibiotic-induced gut dysbiosis</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>16:10 - 16:30</td>
<td>Coffee Break</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>16:30 - 18:30</td>
<td>Far East – EHMSG Symposium: Gut Microbiota &amp; H. pylori</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>19:00 - 22:00</td>
<td>Opening Ceremony</td>
<td>Hôtel Pullman Bordeaux Aquitania, Espace Pauses/Flore</td>
</tr>
</tbody>
</table>

### Friday, September 8, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 - 18:15</td>
<td>XXXth International Workshop of the EHMSG - Day 1</td>
<td>Palais des Congrès</td>
</tr>
<tr>
<td>08:00 - 08:15</td>
<td>Introduction</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>08:15 - 09:45</td>
<td>Symposium H. pylori and host co-evolution</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>09:45 - 10:15</td>
<td>Coffee Break</td>
<td>Exhibition Hall</td>
</tr>
<tr>
<td>10:15 - 10:45</td>
<td>State of the Art Lecture: Pathobiology of H. pylori induced gastric cancer</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>10:45 - 12:15</td>
<td>Symposium Gastric cancer</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>12:15 - 13:15</td>
<td>Lunch Break and Poster Rounds from Submitted Abstracts</td>
<td>Poster Area</td>
</tr>
<tr>
<td>13:15 - 14:15</td>
<td>Industry Sponsored Satellite Symposium</td>
<td>Amphithéatre A</td>
</tr>
</tbody>
</table>
### Friday, September 8, 2017 (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:15 - 15:45 hrs</td>
<td>Parallel Workshops from Submitted Abstracts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Workshop W1. Pediatrics, Extragastric Disease, Diagnosis and Epidemiology</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td></td>
<td>Workshop W2. Virulence Factors &amp; Pathogenesis</td>
<td>Amphithéatre C</td>
</tr>
<tr>
<td>15:45 - 16:15 hrs</td>
<td>Coffee Break</td>
<td>Exhibition Hall</td>
</tr>
<tr>
<td>16:15 - 17:45 hrs</td>
<td>Parallel Workshops from Submitted Abstracts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Workshop W3. Treatment and Resistance</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td></td>
<td>Workshop W4. Microbiota</td>
<td>Amphithéatre C</td>
</tr>
<tr>
<td>17:45 - 18:00 hrs</td>
<td>Historical views on Microbiota</td>
<td></td>
</tr>
<tr>
<td>18:00 - 18:15 hrs</td>
<td>What about <em>H. pylori</em> &amp; wine?</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>20:00 hrs</td>
<td>EHMSG Networking Dinner</td>
<td></td>
</tr>
</tbody>
</table>

### Saturday, September 9, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 - 18:30 hrs</td>
<td>XXXth International Workshop of the EHMSG - Day 2</td>
<td>Palais des Congrès</td>
</tr>
<tr>
<td>08:00 - 09:30 hrs</td>
<td>Symposium: <em>H. pylori</em> basics</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>09:30 - 10:00 hrs</td>
<td>State of the Art: Critical role of acid suppression in <em>H. pylori</em> eradication regimens</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>10:00 - 10:30 hrs</td>
<td>Coffee Break</td>
<td>Exhibition Hall</td>
</tr>
<tr>
<td>10:30 - 12:00 hrs</td>
<td>Symposium Microbiota</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>12:00 - 13:00 hrs</td>
<td>Industry-Sponsored Satellite Symposium</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>13:00 - 14:00 hrs</td>
<td>Lunch Break and Poster Rounds from Submitted Abstracts</td>
<td>Poster Area</td>
</tr>
<tr>
<td>14:00 - 15:30 hrs</td>
<td>Parallel Workshops from Submitted Abstracts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Workshop W5. Gastric Cancer</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td></td>
<td>Workshop W6. Microbiology &amp; Genomics</td>
<td>Amphithéatre C</td>
</tr>
<tr>
<td>15:30 - 16:00 hrs</td>
<td>Debate: Cellular origin of Gastric Cancer: SPEM or SPAM?</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>16:00 - 17:00 hrs</td>
<td>Parallel Symposia</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td></td>
<td>Clinical Symposium</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td></td>
<td>Bioinformatics Symposium</td>
<td>Amphithéatre C</td>
</tr>
<tr>
<td>17:00 - 17:30 hrs</td>
<td>Nobel Prize Lecture</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>17:30 - 18:30 hrs</td>
<td>Introduction of a new Member: Mirjana Rajilic-Stovanovic</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td></td>
<td>Awarding of the Marshall and Warren Medal to J.C. Delchier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EHMSG Presentation and Poster Awards</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Latest publication trends and the Biocodex training project</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Presentation of the next meeting in Kaunas, Lithuania</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closing remarks</td>
<td></td>
</tr>
</tbody>
</table>
14:00 - 16:30 hrs  **Master Class - Gut Microbiota**  
_Hôtel Pullman Bordeaux Aquitania - Aliénor_  
Director: Georgina Hold (Aberdeen, UK)  

- **An overview of gut microbiota**  
  Georgina Hold (Aberdeen, UK)  

- **A pipeline for Microbiome Analysis**  
  Lars Engstrand (Stockholm, Sweden)  

- **Microbiota signature – Example of liver disease**  
  Herbert Tilg (Innsbruck, Austria)  

- **How to manipulate microbiota?**  
  Antonio Gasbarrini (Rome, Italy)  

16:30 - 17:00 hrs  **Coffee break**  

17:00 - 19:00 hrs  **Symposium**  
_Hôtel Pullman Bordeaux Aquitania - Rohan_  
**Microbiota in Colonic Diverticular Disease**  
Directors: Carmelo Scarpignato (Parma, Italy) & Antonio Gasbarrini (Rome, Italy)  

- **Colonic Diverticular Disease: Epidemiology and Clinical Picture**  
  Angel Lanas (Zaragoza, Spain)  

- **Colonic Diverticular Disease: Pathophysiology**  
  Robin Spiller (Nottingham, UK)  

- **Gut Microbiota in Diverticular Disease**  
  Giovanni Barbara, (Bologna, Italy)  

- **Microbiota-directed Therapies for Colonic Diverticular Disease**  
  Carmelo Scarpignato (Parma, Italy)  

19:30 hrs  **Networking Event at the Bordeaux City Hall**
PROGRAMME THURSDAY, SEPTEMBER 7

11:30 - 13:00 hrs  EHMSG Postgraduate Course
“Antibiotherapy and the Gut - New Concepts”
Organized with the partnership of the SNFGE
Hôtel Pullman Bordeaux Aquitania - Rohan

08:15 - 08:30 hrs  Introduction
Frank Zerbib, Bordeaux, France (Secretary of the French Society of Gastroenterology)
Francis Mégraud, Bordeaux, France (President of the EHMSG)

08:30 - 09:30 hrs  The Players
Chairpersons: Philippe Marteau (Paris, France) and Francis Mégraud (Bordeaux, France)

08:30 - 09:00 hrs  Gut microbiota revisited using culturomics
Didier Raoult (Marseille, France)

09:00 - 09:30 hrs  An overview of antibiotic use and its consequences on microbiota
Martin Blaser (New York, USA)

09:30 - 10:00 hrs  Coffee break

10:00 - 12:00 hrs  Impact of antibiotics on gut microbiota in specific conditions
Chairpersons: Antonio Gasbarrini (Roma, Italy) and Marcis Leja (Riga, Latvia) - Time for questions: 5’ per speaker

10:00 - 10:23 hrs  The gut resistome – antibiotic resistant genes in the gut
Lars Engstrand (Stockholm, Sweden)

10:23 - 10:46 hrs  Effect of intrapartum prophylaxis on newborn gut microbiota
Diana Di Gioia (Bologna, Italy)

10:46 - 11:09 hrs  Indication and misuse of antibiotics in:
- IBS
  Robin Spiller (Nottingham, UK)
- Liver disease
  Herbert Tilg (Innsbruck, Austria)

11:09 - 11:22 hrs  How to take into account knowledge on dysbiosis when treating a patient with IBD
Philippe Marteau (Paris, France)

12:00 - 13:30 hrs  Lunch break

13:30 - 16:10 hrs  Antibiotic-induced gut dysbiosis
Chairpersons: Maria Urdaci (Bordeaux, France), Antonio Gasbarrini (Rome, Italy) - Time for questions: 5’ per speaker

13:30 - 13:50 hrs  Impact on host resistance to infection
Claire Roubaud (Bordeaux, France)

13:50 - 14:10 hrs  Impact on brain impairment
Angela Jacan (Graz, Austria)

14:10 - 14:30 hrs  Impact on obesity
Matthieu Million (Marseille, France)

14:30 - 14:50 hrs  Impact on cancer therapies
Patricia Lepage (Paris, France)

14:50 - 15:10 hrs  Probiotics of interest in antibiotic-associated diarrhea
Harry Sokol (Paris, France)

15:10 - 15:30 hrs  Non probiotic approach to prevent gut dysbiosis
Antoine Andremont (Paris, France)

15:30 - 15:50 hrs  How to restore gut microbiota after dysbiosis?
Benoit Levast, (Lyon, France)

15:50 - 16:10 hrs  Fecal transplant for C. difficile infection – a meta-analysis
Theodore Rokkas (Athens, Greece)

16:10 - 16:30 hrs  Coffee break

www.ehmsg.org
PROGRAMME THURSDAY, SEPTEMBER 7

16:30 - 18:30 hrs  Far East – EHMSG Symposium: Gut Microbiota & H. pylori  
Hôtel Pullman Bordeaux Aquitania - Rohan  
Chairpersons: Peter Malfertheiner (Magdeburg, Germany), Francis Mégraud (Bordeaux, France) and Yong Chan Lee (Seoul, Korea)  
Time for questions: 5’ per speaker

16:30 - 16:53 hrs  Which methods for reliable results  
Georgina Hold (Aberdeen, UK)

16:53 - 17:16 hrs  Analysis of gastric microbiota by pyrosequencing: Minor role of bacteria other than H. pylori in the gastric carcinogenesis  
Nayoung Kim, (Seoul, Korea)

17:16 - 17:39 hrs  H. pylori & gastric microbiota in Gastric cancer  
Christian Schulz (Munich, Germany)

17:39 - 18:02 hrs  Potential role of microbiota in Korean patients with gastrointestinal diseases  
Chang Soo Eun, (Guri, Korea)

18:02 - 18:25 hrs  Stomach microbiome, results from 7 Asian countries  
Yoshio Yamaoka (Oita, Japan)

19:00 hrs  Networking Event at the Hotel Pullman
**PROGRAMME FRIDAY, SEPTEMBER 8**

XXXth International Workshop of the European Helicobacter and Microbiota Study Group - Day 1

**08:00 - 08:15 hrs**

**Welcoming Addresses**

Amphithéâtre A

Alain Juppé, Mayor of Bordeaux (or his representative)

Pierre Dubus, Dean of the Medical Faculty, University of Bordeaux

Francis Mégraud, President of the EHMSG

**08:15 - 09:45 hrs**

**Symposium H. pylori and host co-evolution**

Amphithéâtre A

Chairpersons: Martin Blaser (New York, NY, USA), Francis Mégraud (Bordeaux, France)

Time for questions: 5' per speaker

08:15 - 08:45 hrs

Population structure of *H. pylori*

Sebastian Suerbaum (Munich, Germany)

08:45 - 09:15 hrs

Emergence of a new phylogeographic group of *H. pylori* in Latin American mestizos

Javier Torres (Mexico City, Mexico)

09:15 - 09:45 hrs

Are the phylogeographic data on *Mycobacterium tuberculosis* matching those of *H. pylori*?

Iñaki Comas (Valencia, Spain)

**09:45 - 10:15 hrs**

Coffee break

Exhibition Hall

**10:15 - 10:45 hrs**

**State of the Art**

Amphithéâtre A

Chairpersons: Theodore Rokkas (Athens, Greece), Jae Gyu Kim (Seoul, Korea) and Joseph Sung (Hong Kong, China)

Pathobiology of *H. pylori* induced gastric cancer

Richard Peek (Nashville, USA)

**10:45 - 12:15 hrs**

**Symposium Gastric cancer**

Amphithéâtre A

Chairpersons: Theodore Rokkas (Athens, Greece), Jae Gyu Kim (Seoul, Korea) and Joseph Sung (Hong Kong, China)

Time for questions: 5' per speaker

10:45 - 11:05 hrs

The StoP project

Nuno Lunet (Porto, Portugal)

11:05 - 11:25 hrs

The Hippo/YAP pathway in gastric cancer stem cells

Christine Varon (Bordeaux, France)

11:25 - 11:45 hrs

Role of nervous system in gastric tumorigenesis

Tamara Matysiak-Budnik (Nantes, France)

11:45 - 12:05 hrs

Synergy between EBV & *H. pylori*

Masanori Hatakeyama (Tokyo, Japan)

**12:15 - 13:15 hrs**

Lunch Break and Guided Poster Rounds

Exhibition Hall/Poster Area

**13:15 - 14:15 hrs**

Industry-Sponsored Satellite Symposium - See page 22 for details

Amphithéâtre A
Parallel Workshops from Submitted Abstracts

**Workshop W1. Pediatrics, Extragastric Disease, Diagnosis and Epidemiology**

*Amphithéatre A*

**Chairpersons:** Philippe Lehours (Bordeaux, France), Tomica Milosavljevic (Belgrade, Serbia)

**Time for questions:** 3' per speaker

### 14:15 - 15:45 hrs

**W1.0 Keynote Lecture**

**Philippe Lehours**

Bordeaux, France

---

**W1.1 Infection by Helicobacter pylori (HP) CagA-positive strains is associated with iron deficiency anaemia (DA) and iron deficiency (ID) in a longitudinal birth cohort of children of children**

D. M. M. Queiroz¹, L. L. C. Braga², R. H. Gilman³, W. Chekley⁴, S. L. Perry⁴, G. A. Rocha⁵, J. E. Crabtree⁶;

¹Universidade Federal de Minas Gerais/Faculade de Medicina, Belo Horizonte, Brazil, ²Universidade Federal do Ceará/Faculade de Medicina, Fortaleza, Brazil, ³Johns Hopkins, Baltimore, MD, United States, ⁴University of Leeds, Leeds, United Kingdom, ⁵University of Leeds, Belo Horizonte, United Kingdom.

---

**W1.2 Clinical presentation and antibiotic susceptibility in H. pylori infected children: Results of the EuroPedHP Registry**


¹Kaplan Medical Center, Rehovot, Israel, ²Dr. von Hauner Children’s Hospital, Klinikum der Universität München, Munich, Germany, ³National Institute of Health, Lisbon; University Hospital Santa Maria, Lisbon, Portugal, ⁴Hospital Centre of Central Lisbon, Lisbon, Portugal, ⁵Medical University of Wroclaw, Wroclaw, Poland, ⁶Children’s Hospital Zagreb, University Hospital “Sister’s of Mercy”, Zagreb, Croatia, ⁷Hôpital Saint Vincent de Paul, Catholic University, Lille, France, ⁸Queen Fabiola Children’s University Hospital, Brussels, Belgium, ⁹Marmara University Faculty of Medicine, Istanbul, Turkey, ¹⁰Yeditepe University Medical Faculty, Istanbul, Turkey, ¹¹University Children’s Hospital, Ljubljana, Slovenia, ¹²Hospital Infantil Universitario Nino Jesus, Madrid, Spain, ¹³Hospital de la Princesa, Madrid, Spain, ¹⁴Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, ¹⁵Karolinska University Hospital, Stockholm, Sweden, ¹⁶University Hospital of Ioannina, Ioannina, Greece, ¹⁷Queen Mary’s Hospital For Children, Carshalton, United Kingdom, ¹⁸University Hospital Santariskiu Klinikos/ (Vilnius University Children’s hospital), Vilnius, Lithuania, ¹⁹Athens University Medical School, Athens, Greece, ²⁰Athens Interconnected Children’s Hospitals “P. & A. Kyrakiou” and “Agia Sophia”, Athens, Greece, ²¹University of Naples “Federico II”, Naples, Italy, ²²Academisch Medisch Centrum Universiteit van Amsterdam, Amsterdam, Netherlands, ²³Bambino Gesu Childrens Hospital, Roma, Italy, ²⁴Semmelweis University, Budapest, Hungary, ²⁵Queen Fabiola Children’s University Hospital, Brussels, Belgium.

---

**W1.3 Helicobacter pylori infection aggravates diet-induced non-alcoholic fatty liver in association with insulin resistance of mice**

C. He, H. Wang, D. D. Cheng, Y. Zhu, N. h. Lv;

The First Affiliated Hospital of Nanchang University, Nang Chang, China.

---

**W1.4 Alzheimer and Helicobacter pylori infection: inflammation from stomach to brain? Preliminary results.**

G. Albaret¹, E. Sifré¹, P. Flach¹, S. Layd², A. Aubert², N. Salles³, F. Mégraud³, P. Lehours³, C. Roubaud-Baudron³;

¹INSERM 1053, Bordeaux, France, ²INRA 1286, Bordeaux, France, ³Pôle gériatrie CHU Bordeaux, Bordeaux, France.

---

**W1.5 Performance of a non-invasive test for the detection of Helicobacter pylori and resistance to clarithromycin in stool by Real-Time PCR Amplidiag H. pylori + ClariR**

C. Burucova¹⁻², B. Plichard¹, T. Baririo², C. Silvain²;

¹CHU Poitiers, Poitiers, France, ²EA 4331 LITEC, University of Poitiers, Poitiers, France.

---

**W1.6 Investigating whether digestive symptoms are related to H. pylori infection in Canadian Arctic communities**

H. Chang¹, A. Wynne¹, E. Walker¹, K. Fagan-Garcia¹, J. Geary¹, R. Munday², S. Veldhuyzen van Zanten¹, K. J. Goodman¹, & CANHelp Working Group¹;

¹University of Alberta, Edmonton, AB, Canada, ²Susie Husky Health Centre, Aklavik, NT, Canada.
14:15 - 15:45 hrs Parallel Workshops from Submitted Abstracts

**Workshop W2: Virulence Factors & Pathogenesis**
Amphithéâtre C

*Chairpersons: James Fox (Boston, MA, USA), Cathy Staedel (Bordeaux, France)*

*Time for questions: 3’ per speaker*

14:15 - 14:27 hrs **W2.0 Keynote Lecture**
James Fox
Boston, MA, USA

14:27 - 14:39 hrs **W2.1 Multicellular Wnt signaling network controls gastric epithelial stem cell homeostasis in uninfected and *H. pylori* infected mice**

*M. Sigal¹, C. Y. Logan², M. Amieva², T. F. Meyer³;
¹Max-Planck-Institute for Infection Biology, Berlin, Germany, ²Stanford School of Medicine, Stanford, CA, United States.

14:39 - 14:51 hrs **W2.2 LncRNA THRIL is involved in the phosphorylation of cagA and regulates *Helicobacter pylori* cagA induced-inflammation.**

*N. Lee, J. Yoon, S. Lee;
Yonsei University College of Medicine Severance Hospital, Seoul, Korea, Republic of.

14:51 - 15:03 hrs **W2.3 Functional analysis of Helicobacter HopQ-CEACAM interaction and effects on inflammatory pathways.**

*Y. Hamway¹, K. Moonens², K. Taxauer³, R. Mejías-Luque⁴, B. Singer⁴, S. Backert⁴, H. Remaut⁵, M. Gerhard⁶,⁷;
¹Technische Universität München, Munich, Germany, ²VIB, Brussels, Belgium, ³Universität Essen, Essen, Germany, ⁴Universität Würzburg, Würzburg, Germany, ⁵German Center for Infection Research, Munich, Germany.

15:03 - 15:15 hrs **W2.4 Disruption of the gastric epithelial barrier through cleavage of junctional proteins occludin, claudin-8 and E-cadherin by serine protease HtrA of *Helicobacter pylori***

*S. Backert, N. Tegtmeyer, A. Harrer, C. Asche, M. Boehm;
Friedrich-Alexander University Erlangen-Nuremberg, Erlangen, Germany.

15:15 - 15:27 hrs **W2.5 Cytolethal distending toxin of *H. hepaticus* induces nuclear remodeling and nucleoplasmic reticulum formation in hepatocellular cells.**

*L. Azzi-Martin¹,², C. Péré-Vedrenne¹,², C. Alix¹,², V. Korolik³, M. Prochazkova-Carlotti¹,², W. He¹,², J. Morel¹,², E. Leroux-Goglin¹,², C. Grosset²,³, C. Varon²,³, P. Dubus¹,²,³, A. Ménard¹,²;
¹INSERM, UMR1053 Bordeaux Research in Translational Oncology, BaRITOn, Bordeaux, France, ²Université de Bordeaux, UMR1053 Bordeaux Research in Translational Oncology, BaRITOn, Bordeaux, France, ³Institute for Glycomics, Griffith University, Gold Coast Campus, Gold Coast, Australia, ⁴Université de Bordeaux, UMR5293, Institut des maladies neurodégeneratives, Bordeaux, France, ⁵CNRS ; UMR5293, Institut des maladies neurodégénératives, Bordeaux, France, ⁶INSERM, UMR1035 Biothérapie des Maladies Génétiques, Inflammatoires et Cancers, Bordeaux, France, ⁷University of Bordeaux, Biothérapie des Maladies Génétiques, Inflammatoires et Cancers, Bordeaux, France, ⁸CHU de Bordeaux, Pôle biologie et pathologie, Service de biologie des tumeurs, Bordeaux, France.

15:27 - 15:39 hrs **W2.6 *Helicobacter hepaticus* infection increases colonization of pks+ *Escherichia coli* and promotes mutagenesis in the lower bowel mucosa of *Rag2⁻/⁻Il10⁻/⁻gpt* mice in a sex- and Il-10-dependent manner**

*Z. Ge, Y. Feng, A. Sheh, G. Gong, S. Muthupalani, S. Chawanatthanatham, J. M. Essigmann, J. G. Fox;
Massachusetts Institute of Technology, Cambridge, MA, United States.*

15:45 - 16:15 hrs Coffee break
Exhibition Hall

www.ehmsg.org
PROGRAMME FRIDAY, SEPTEMBER 8

16:15 - 17:45 hrs Parallel Workshops from Submitted Abstracts

Workshop W3. Treatment and Resistance

Chairpersons: David Graham (Houston, TX, USA), Dominique Lamaron (Paris, France)

Time for questions: 3 per speaker

16:15 - 16:27 hrs W3.0 Keynote Lecture
David Graham
Houston, TX, USA

16:27 - 16:39 hrs W3.1 Pan-European Registry on H. pylori Management (HpEuReg): First-line treatments and Interim Analysis of 20,000 Patients

16:39 - 16:51 hrs W3.2 Influence of participation in registry (EuroPedHP) on prescribed therapy in H. pylori infected children
1Epsom and St Helier’s Hospital NHS Trust, Carshalton, United Kingdom, 2Dr. Von Hauner Children’s Hospital, Klinikum der Universitat Munchen, Munich, Germany, 3Kaplan Medical center, Rehovot, Israel, 4National Institute of Health, University Hospital Santa Maria, Lisbon, Portugal, 5Hospital Centre of Central Lisbon, Lisbon, Portugal, 6Medical University of Wroclaw, Wroclaw, Poland, 7Children’s Hospital Zagreb, University Hospital * Sister’s of Mercy*, Zagreb, Croatia, 8Hospital Saint Vincent de paul, Catholic University, Lille, France, 9Marmara University Faculty of Medicine, istanbul, Turkey, 10Children’s Hospital’s Children’s Hospital, Ljubljana, Slovenia, 11Hospital Infantili universitario Nino Jesu, Madrid, Spain, 12Hospital de la Princesa, Madrid, Spain, 13Karolinska University Hospital, Stockholm, Sweden, 14Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 15University Hospital of Loannina, loannina, Greece, 16Vilnius University Children’s Hospital, Vilnius, Lithuania, 17University of Athens, Athens, Greece, 18Athen’s Interconnected Children’s Hospital, Athens, Greece, 19University of Naples, Naples, Italy, 20Academisch Medisch Centrum Universiteit Van Amsterdam, Amsterdam, Netherlands, 21Bambino Gesu Children Hospital, Roma, Italy, 22Semmelweis University, Budapest, Hungary

16:51 - 17:03 hrs W3.3 Effectiveness and safety of bismuth quadruple therapy (Pylera®) in combination with PPIs for the eradication of H. pylori infection in patients with dual clarithromycin and metronidazole resistance
G. Fiorini1, I. M. Saracino1, L. Gatta2, D. Vaira2;
1University of Bologna, Bologna, Italy, 2Gastroenterology and Endoscopy Unit, Versilia Hospital, Lido di Camaiore, Italy

17:03 - 17:15 hrs W3.4 First-line tailored treatment of Helicobacter pylori in a country with increasing resistance rates
D. E. Brennan, M. Hussey, D. Tighe, C. O’Morain, S. Smith, D. McNamara;
Trinity College Dublin, Dublin, Ireland

V. Lindecker-Cournil1, J. D. De Korwin2,3, F. Abramovic4, R. Cayla5, S. Leclerc6, C. Pessel7, M. Rodde-Dunet8, The members of the working group;
1Co-project manager, Department for quality and safety improvement in healthcare, French National Authority for Health (HAS), Saint-Denis, France, 2Department of Internal Medicine, Nancy University Hospital and University of Lorraine, Nancy, France, 3Co-project manager, French National Council of Gastroenterologists, Paris, France, 4General practice setting, Lagney, France, 5Clinique d’Aguilera, Biarritz, France, 6Department for economic and public health evaluation, HAS, Saint-Denis, France, 7Department for quality and safety improvement in healthcare, HAS, Saint-Denis, France.

17:27 - 17:39 hrs W3.6 The Efficacy and Safety of Vonoprazan in the Therapy of Helicobacter pylori Infection: A Meta-Analysis
S. Wu1, Y. An2, Y. Wang1, X. Qian1, Y. Wang2, L. Zhuge1, W. Yin1, Z. Li1, R. Zhao1, Y. Xie1;
1Digestive Disease Institute, the First Affiliated Hospital of Nanchang University, Nanchang, China, 2School of Pharmacy, Nanchang University, Nanchang, China, 3Department of medical college , Nanchang University, Nanchang, China.

www.ehmsg.org
16:15 - 17:45 hrs  Parallel Workshops from Submitted Abstracts

**Workshop W4. Microbiota**  
Amphithéâtre C  
Chairpersons: Martin Blaser (New York, NY, USA), Joël Doré (Jouy en Josas, France)

**Time for questions:** 3 per speaker

16:15 - 16:27 hrs  **W4.0 Keynote Lecture**  
Martin Blaser  
New York, NY, USA

16:27 - 16:39 hrs  **W4.1 The role of gastric dysbiosis in gastric carcinogenesis**  
N. Castaño-Rodriguez¹, K. Fock², K. Goh³, H. M. Mitchell¹;  
¹The University of New South Wales, Sydney, Australia, ²Changi General Hospital, Singapore, Singapore, ³University of Malaya, Kuala Lumpur, Malaysia.

16:39 - 16:51 hrs  **W4.2 Characterization of the gastric cancer-associated microbiota**  
R. M. Ferreira¹,2, J. Pereira-Marques⁴,5, Pinto-Ribeiro¹,2,4, J. L. Costa¹,2,4, F. Carneiro¹,2,4, J. C. Machado¹,2,4, C. Figueiredo¹,2,4;  
¹IPATIMUP - Institute of Molecular Pathology and Immunology of the University of Porto, Porto, Portugal, ²i3S - Instituto de Investigação e Inovação em Saúde, Universidade do Porto, Porto, Portugal, ³ICBAS - Instituto de Ciências Biomédicas Abel Salazar, University of Porto, Porto, Portugal, ⁴Faculty of Medicine University of Porto, Porto, Portugal.

16:51 - 17:03 hrs  **W4.3 Colonization with Helicobacter is concomitant to modified gut microbiota and drastic failure of the immune control of Mycobacterium tuberculosis**  
E. Touati¹, L. Majlessi¹, F. Sayes¹, J. Bureau¹, A. Pawlik¹, V. Michel¹, G. Jouvion¹, M. Huerre¹, M. Severgnini½, C. Consolandi², C. Pcano², R. Brosch¹, C. Leclerc¹;  
¹Institut Pasteur, Paris, France, ²Institute of Biomedical Technologies, CNR, Milan, Italy.

17:03 - 17:15 hrs  **W4.4 Bactériome and mycobiome analysis underscores the role of fungal dysbiosis in non-alcoholic steatohepatitis: *Fusarium* genus as a novel player?**  
T. Karakan¹, M. Yalınay², C. Erdogdu³;  
¹Gazi University Department of Gastroenterology, Ankara, Turkey, ²Gazi University Department of Medical Microbiology, Ankara, Turkey, ³Hacettepe University Department of Medical Microbiology, Ankara, Turkey.

17:15 - 17:27 hrs  **W4.5 Single-infusion fecal microbiota transplantation is not effective in treating severe *Clostridium difficile* infection**  
G. Ianiro¹, L. Masucci², C. Simonelli², G. Quaranta³, F. Scaldaferris², M. Sanguinetti², A. Gasbarrini³, G. Cammarota¹;  
¹Internal Medicine and Gastroenterology Division, “A. Gemelli” University Hospital, Rome, Italy, ²Microbiology Institute, “A. Gemelli” University Hospital, Rome, Italy, ³Microbiology Institute “A. Gemelli” University Hospital, Rome, Italy.

17:27 - 17:39 hrs  **W4.6 A reduction of the butyrate-producing microbiota in Asian patients with ulcerative colitis.**  
Department of Gastroenterology, Korea University Medical Center, Seoul, Korea, Republic of.

17:45 - 18:00 hrs  **Historical views on Microbiota - A tribute to Ilja Mechnikov**  
Amphithéâtre A  
Leonid B. Lazebnik (Moscow, Russia)

18:00 - 18:15 hrs  **What about *H. pylori* & wine?**  
Christophe Burucoa (Poitiers, France)

20:00 hrs  **EHMSG Networking Dinner**
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
</table>
| 08:00 - 09:30 hrs | Symposium: *H. pylori* basics  
Chairpersons: José Machado (Porto, Portugal), Richard Peek (Nashville, TN, USA)  
Time for questions: 5' per speaker | Amphithéatre A    |
| 08:00 - 08:20 hrs | Role of CagA in the gastric biology of *H. pylori*  
Steffen Backert (Erlangen, Germany) |                  |
| 08:20 - 09:00 hrs | CagY as an immune sensitive regulator of *H. pylori* T4SS  
Jay Solnick (Davis, USA) |                  |
| 08:40 - 09:00 hrs | *H. pylori* motility  
Nina Salama (Seattle, USA) |                  |
| 09:00 - 09:20 hrs | The induction of oxidative stress and DNA damage by *H. pylori* and the microbiota  
Sheila Crowe (San Diego, USA) |                  |
| 09:30 - 10:00 hrs | State of the Art  
Chairpersons: Jean Dominique de Korwin (Nancy, France), Richard Hunt (Hamilton, Canada)  
Critical role of acid suppression in *H. pylori* eradication regimens  
Kentaro Sugano (Shimotsuke, Japan)  
Introductory remarks by Carmelo Scarpignato (Parma, Italy) | Amphithéatre A    |
| 10:00 - 10:30 hrs | Coffee break | Exhibition Hall |
| 10:30 - 12:00 hrs | Symposium Microbiota  
Chairpersons: Herbert Tilg (Innsbruck, Austria), Georgina Hold (Aberdeen, UK)  
Time for questions: 5' per speaker | Amphithéatre A    |
| 10:30 - 10:50 hrs | Microbiota during evolution from apes to humans  
Martine Peeters (Montpellier, France) |                  |
| 10:50 - 11:10 hrs | Evolution of microbiota according to age  
Mirjana Rajilic-Stovanovic (Belgrade, Serbia) |                  |
| 11:10 - 11:30 hrs | Metagenomics and alteration of the host microbiota symbiosis  
Joël Doré (Jouy en Josas, France) |                  |
| 11:30 - 11:50 hrs | The role of adenosine in the control of microbiota and gastrointestinal inflammation  
Peter Ernst (San Diego, USA) |                  |
| 12:00 - 13:00 hrs | Industry-sponsored Symposium - See page 22 for details | Amphithéatre A    |
| 13:00 - 14:00 hrs | Lunch break and Guided Poster Rounds | Exhibition Hall/Poster Area |
14:00 - 15:00 hrs
Workshop 5: Cancer
Amphithéatre A
Chairpersons: Ernst Kuipers (Rotterdam, The Netherlands), Eliette Touati (Paris, France)
Time for questions: 3’ per speaker

14:00 - 14:12 hrs
W5.0 Keynote Lecture
Ernst Kuipers
Rotterdam, The Netherlands

14:12 - 14:24 hrs
W5.1 Long-term proton pump inhibitors and risk of gastric cancer after eradication of H. pylori: A population-based study
W. K. Leung1, E. W. Chan1, A. Y. Wong1, L. Chen1, I. C. Wong2, K. S. Cheung1;
1University of Hong Kong, Hong Kong, Hong Kong, 2University College London, London, United Kingdom.

14:24 - 14:36 hrs
W5.2 Helicobacter and other risk factors in a prospective cohort in Singapore undergoing surveillance for gastric cancer
1Hudson Institute of Medical Research, Melbourne, Australia, 2The Walter and Eliza Hall Institute, Melbourne, Australia, 3Boston Children’s Hospital, Harvard Medical School, Boston, MA, United States, 4Biomedicine Discovery Institute, Monash University, Melbourne, Australia.

14:36 - 15:00 hrs
W5.3 Metformin targets gastric cancer stem cells
S. Courtois1,2, R. Duran3,4, E. Sifré1,2, J. Izotte1,2, F. Mégraud1,2, P. Lehours1,2, C. Varon1,2, E. Bessède1,2;
1Université de Bordeaux, Bordeaux, France, 2INSERM U1053, BaRITOn, Bordeaux, France, 3Institut Européen de CHimie et Biologie, Bordeaux, France, 4INSERM U1218, Institut Bergonié, Bordeaux, France, 5Animalerie A2, Bordeaux, France.

14:48 - 15:00 hrs
W5.4 NOD1 mediates processing of interleukin-18 in epithelial cells to maintain tissue homeostasis in Helicobacter pylori infection
L. Tran1, H. Chaudhry1, K. D’Costa1, A. De Paoli1, J. Como1, J. Dowling1, J. Ferrand1, A. Mansell1, U. Nachbur4, B. A. Croker3, S. L. Masters2, R. L. Ferrero1,4;
1Hudson Institute of Medical Research, Melbourne, Australia, 2The Walter and Eliza Hall Institute, Melbourne, Australia, 3Boston Children’s Hospital, Harvard Medical School, Boston, MA, United States, 4Biomedicine Discovery Institute, Monash University, Melbourne, Australia.

15:00 - 15:12 hrs
W5.5 LATS2 negatively regulates inflammatory cytokine production in Helicobacter pylori-infected gastric epithelial cells
S. Molina-Castro1,2, C. Staedel3, J. Giraud4, P. Lehours1, P. Dubus1, F. Mégraud1, C. Varon1;
1U1053 INSERM BaRITOn, Université de Bordeaux, Bordeaux, France, 2INSISA/School of Medicine, Universidad de Costa Rica, San José, Costa Rica, 3U1212 INSERM ARNA, Université de Bordeaux, Bordeaux, France, 4CHU de Bordeaux, Bordeaux, France.

15:12 - 15:24 hrs
W5.6 ALPK1 and TIFA dependent innate immune response triggered by the Helicobacter pylori type IV secretion system
S. Zimmermann1, L. Pfannkuch2, M. Al-Zeer1, S. Bartfeld1, T. Meyer1;
1Department of Molecular Biology; Max Planck Institute for Infection Biology, Berlin, Germany, 2Department of Molecular Biology; Max Planck Institute for Infection Biology, Berlin, Germany.
Parallel Workshops from Submitted Abstracts

**14:00 - 15:00 hrs Workshop 6: Microbiology & Genomics**  
Chairpersons: Hilde de Reuse (Paris, France), Steffen Backert (Erlangen, Germany)  
Time for questions: 3’ per speaker

**14:00 - 14:12 hrs W6.0 Keynote Lecture**  
Hilde de Reuse (Paris, France)

**14:12 - 14:24 hrs W6.1 Helicobacter pylori Genome Project (HpGP)**  
M. C. Camargo, HpGP Network; U.S. National Cancer Institute, Rockville, MD, United States.

**14:24 - 14:36 hrs W6.2 Epigenome-based adaptive evolution hypothesis: evidence from genome, methylome, transcriptome and phenotype analyses in *H. pylori***  
H. Yano1,2, M. Z. Alam1, E. Rimbar1, T. Shibata1, M. Fukuyo1, Y. Furuta1, T. Nishiyma1, S. Shigenobu1, M. Hasebe1, A. Toyoda1, Y. Suzuki1, S. Sugano1, K. Sibayama1, I. Kobayashi1,2,3;  
1Graduate School of Frontier Sciences, University of Tokyo, Tokyo, Japan, 2Faculty of Life and Environmental Science, University of Tsukuba, Tsukuba, Japan, 3National Institute of Infectious Diseases, Musashi Murayama, Japan.

**14:36 - 14:48 hrs W6.3 Phase-variable epigenetic gene regulation modulates *Helicobacter pylori* motility and virulence factor expression.**  
R. Gorrell1, Y. Srikhanta2, P. Power3, K. Tsyganov1, M. Boitano4, T. Clark1, J. Korlach4, E. Hartland2, M. Jennings3, T. Kwok1;  
1Monash University, Clayton, Australia, 2University of Melbourne, Parkville, Australia, 3Institute for Glycomics, Gold Coast, Australia, 4Pacific Biosciences, Menlo Park, CA, United States.

**14:48 - 15:00 hrs W6.4 Genome-wide identification of Cancer associated genetic elements in *Helicobacter pylori***  
E. Berthenet1, T. Wilkinson1, D. Falush2, K. Thorrell3, K. Yahara4, S. Sheppard;  
1Swansea University, Swansea, United Kingdom, 2Bath University, Bath, United Kingdom, 3Karolinska Institutet, Stockholm, Sweden, 4Department of Bacteriology II, National Institute of Infectious Diseases, Tokyo, Japan.

**15:00 - 15:12 hrs W6.5 The sole DEAD-box RNA helicase of *Helicobacter pylori* is essential for colonization**  
L. El Mortaji*1, S. Aubert*1, E. Galtier1, C. Schmitt2, K. Anger1, Y. Redko1, Y. Quentin3, H. De Reuse1;  
*contributed equally to this article;  
1Institut Pasteur, Département de Microbiologie, Unité Pathogénèse de Helicobacter, ERL CNRS 3526, Paris, France, 2Institut Pasteur, Imagopole, plate-forme de microscopie ultrastructurale, Paris, France, 3Laboratoire de Microbiologie et Génétique Moléculaires, CNRS UMR 5100, Toulouse, France.

**15:12 - 15:24 hrs W6.6 Genome and methylome variability of cag pathogenicity island-carrying *Helicobacter pylori* during early human infection**  
1Hannover Medical School, Hannover, Germany, 2Max von Pettenkofer Institute, Munich, Germany, 3DSMZ, Braunschweig, Germany, 4Baylor College of Medicine, Houston, TX, United States, 5Pacific Biosciences, Menlo Park, CA, United States, 6University of Magdeburg, Magdeburg, Germany.
15:30 - 16:00 hrs  
Debate  
Chair: Pierre Dubus (Bordeaux, France), Ari Ristimaki (Helsinki, Finland)  
Amphithéatre A  
Cellular origin of Gastric Cancer: SPEM or SPAM?  
- Jim Goldenring (Nashville, USA)  
- Massimo Rugge (Padova, Italy)  

16:00 - 17:00 hrs  
Parallel Symposium: Clinical Symposium  
Chairpersons: Peter Malfertheiner (Magdeburg, Germany), Colm O’Morain (Dublin, Ireland)  
Amphithéatre A  
Time for questions: 5’ per speaker  
16:00 - 16:20 hrs  
Risk of GI bleeding  
Francis Chan (Hong Kong, China)  
Controversies in guidelines:  
16:20 - 16:40 hrs  
- Are we following Maastricht recommendations?  
Javier P. Gisbert (Madrid, Spain)  
16:40 - 17:00 hrs  
- Are they applicable in high prevalence countries?  
Dmitry Bordin (Moscow, Russia)  

16:00 - 17:00 hrs  
Parallel Symposium: Bioinformatics Symposium  
Chairpersons: Ivo Boneca (Paris, France), Lars Engstrand (Stockholm, Sweden)  
Amphithéatre C  
Time for questions: 5’ per speaker  
16:00 - 16:20 hrs  
Bioinformatics approach to handling microbiome data  
Alexander Sczyrba (Bielefeld, Germany)  
16:20 - 16:40 hrs  
Bioinformatics to study gut resistome  
Etienne Ruppé (Geneva, Switzerland)  
16:40 - 17:00 hrs  
PS2.3 Comparison of different bioinformatic tools and pipelines in the study of gastric microbiome  
C. Alba1, L. Llorca1, G. Pérez-Pérez2, A. Blanco1, P. Urruzuno1, M. Martínez2, T. Alarcón1;  
1Hospital Universitario La Princesa, Madrid, Spain, 2Department of Medicine and Microbiology, New York University Langone Medical Center, New York, NY, United States, 3Hospital Doce de Octubre, Madrid, Spain, 4Hospital Universitario Niño Jesús, Madrid, Spain.  

17:00 - 17:30 hrs  
Nobel Prize Lecture  
Chairpersons: Sheila Crowe (San Diego, CA, USA), Francis Mégraud (Bordeaux, France)  
Amphithéatre A  
Are we changing paradigm in infectious disease after recognition of the importance of microbiota?  
Barry Marshall (Perth, Australia)  

17:30 - 18:30 hrs  
Introduction of a new EHMSG member: Mirjana Rajilic-Stovanovic  
Amphithéatre A  
Awarding of the Marshall and Warren Medal to Jean-Charles Delchier (Créteil, France)  
EHMSG Presentation and Poster Awards  
Latest publication trends and the Biocodex training project  
Erwin Floch (Newmed Publishing, Paris, France)  
Presentation of the next meeting in Kaunas, Lithuania  
Closing remarks
## Allergan Satellite Symposium

**Turning data into insights: Real-world outcomes of *Helicobacter pylori* treatment**  
Chairperson: Enrique Dominguez-Muñoz, Spain

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 13:15 - 13:20 hrs | Welcome and introduction  
Enrique Dominguez-Muñoz |
| 13:20 - 13:30 hrs | *Helicobacter pylori* infection: Consequences and management challenges  
Enrique Dominguez-Muñoz |
| 13:30 - 13:45 hrs | Bismuth quadruple therapy: Translating clinical trials into clinical practice  
Stephan Miehlke |
| 13:45 - 14:00 hrs | Real-world management of *Helicobacter pylori*: Interactive patient case  
Peter Malfertheiner & Stephan Miehlke |
| 14:00 - 14:10 hrs | Panel discussion  
All |
| 14:10 - 14:15 hrs | Summary and close  
Enrique Dominguez-Muñoz |

## Saturday, September 9, 2017, 12:00 - 13:00 hrs

### RICHEN EUROPE Satellite Symposium

**Helicobacter pylori** and Gastric Cancer: Do we have all the answers now?  
Prof. Joseph Sung  
Vice-Chancellor of the Chinese University of Hong Kong  
Associate Dean of the Faculty of Medicine, Chair Professor of the Department of Medicine and Therapeutics of the Chinese University of Hong Kong, Chinese University of Hong Kong

Factors associated with eradication of *H. pylori* in a large population-based trial  
Prof. Wei-cheng You, MD  
Former President  
Department of Cancer Epidemiology, Peking University, Cancer Hospital, Beijing Cancer Hospital & Institute, Chairman of China Medical Foundation

Cefuroxime-containing quadruple regimen as first-line eradication of *Helicobacter pylori* infection in the patients with penicillin allergy  
Prof. Liya Zhou  
Chief, Dept. of Gastroenterology, Peking University 3rd Hospital  
Chief, Research Center of Peking University Digestive disease
Scientific Information, Talks

Oral Presentations

Commercial Disclosure information

Due to EACCME regulations, authors are requested to disclose possible conflicts of interest on the first slide.

A conflict of interest is any situation in which a speaker or immediate family members have interests, and those may cause a conflict with the current presentation. Conflicts of interest do not preclude the delivery of the talk, but should be explicitly declared. These may include financial interests (e.g. owning stocks of a related company, having received honoraria, consultancy fees), research interests (research support by grants or otherwise), organisational interests and gifts.

If you have nothing to disclose, please state “I have no commercial disclosure” instead of the table.

Speaking Time
The chairpersons of your session will be strict in allowing no more than the time allotted to your presentation. Remember to allow some time for the changeover of speakers and chairperson’s introduction, and for questions and discussion.

Make yourself known to the chairpersons and/or the technician in your session room before the beginning of the session.

Projection and Technical Setting
All rooms are equipped with a (Windows) PC and data projector for Power Point presentation only.

Handing in Your Presentation:
It must then be handed over to the technician of the according lecture room in a break at least 1 hour before your talk via USB drive (30 minutes for talks in the first morning sessions).

Presentation Format - Technical Issues:
The lecture rooms are exclusively equipped with Windows-PCs (no Macintosh machines). Please bring a USB drive, formatted for Windows® (PC). You may want to carry a second disk or a USB-key as a back-up in case there is any technical problem.

File Format: Microsoft® Power Point™ presentation formatted for Windows® (PC) only. (Operating system: Windows 10®). Optimised resolution: XGA (1024 x 768 pixel), ratio 4:3.
Scientific Information, Poster Schedule

Poster Presentations

ATTENTION: Posters are on display for one day only. Posters need to be taken off by the author at the end of the day. Posters not removed until then will be removed by the staff. Posters will be discarded, and neither kept nor sent to the authors.

Please note that the organisers cannot assume any liability for loss, theft or damage of posters displayed in the poster area.

You will find your poster board number in the author index of the abstract book, which you have received at the registration desk.

The presence at the poster of one of the authors is mandatory during the following times:

**Friday, September 8, 2017, 12.15 - 13.15 hrs**
- Diagnosis of Helicobacter infection
- Treatment of Helicobacter infection
- Drug resistance and clinical issues
- Gastric cancer and cancerogenesis

Mounting of these posters is possible on Friday, September 8, 2017 from 8.00 - 10.00 hrs.
Removal on Friday, September 8, 2017, from 17.00-19.00 hrs.

**Saturday, September 9, 2017, 13.00 – 14.00 hrs**
- Virulence factors and pathogenesis of Helicobacter infection
- Epidemiology
- Inflammation, immunity, vaccines and host interaction
- Microbiology and genomics of Helicobacter
- Helicobacter and extragastroduodenal disease
- Paediatrics
- Gut microbiota in health and disease
- Gut microbiota and intestinal inflammatory disease
- Gut microbiota, obesity, diabetes and metabolic syndrome
- Gut microbiota and neoplastic diseases
- Gut microbiota modulation: antibiotics, probiotics, prebiotics and diet
- Gut microbiota and antibiotic resistance
- Gut microbiota colonization resistance and transplantation
- Microbiota detection and analysis methods

Mounting of these posters is possible on Saturday, September 9, 2017 from 8.00 - 10.00 hrs
Removal on Saturday, September 9, 2017, from 15.30-18.30 hrs.

Please note that posters not removed by the indicated times, will be taken down by the staff of the conference centre and will not be stored or sent to the authors after the meeting.

**Format**
The usable surface on the poster board is 90 cm width x 150 cm height (portrait format). Adhesive material will be made available.
Acknowledgements

The organisers gratefully acknowledge the support of the following institutions and companies:

PLATINUM SPONSORS

- Allergan
- ALFASIGMA
- Takeda
- RICHEN MEDICAL SCIENCE

GOLD SPONSORS

- BIOCODEX
- INFAI
- Mast Group
- MAYOLY SPINDLER PHARMA
- ROMARK

SILVER SPONSORS

- CMJN
- RVB
- SIAG
- FUJIFILM
- biocentric
- Evalenz
- Meridian Bioscience Europe
- MOBIDIC
- MP
- r-biopharm
- SOFAR
- Wiley

www.ehmsg.org
GENERAL INFORMATION

In alphabetical order.

Badges
Participants should collect name badges from the conference registration desk. As only registered participants will be permitted to attend the Scientific Sessions, the Exhibition and poster areas, you are kindly asked to wear your badge when entering the congress venue.

Cancellations and Refunds
Notice of cancellation had to be made in writing by email or fax to the Congress Office. The policy for refunding registration fees is as follows:
Written cancellation received:
- Before August 7, 2017: 75% refund
- After August 7, 2017: no refund
The date of the email or fax ID is the basis for considering refunds. Refunds will be made after the congress.

Certificate of Attendance
Confirmations of attendance will be issued at the registration desk.

Cash Dispensers
ATMs are widely available in Bordeaux. Local currency (Euro) can also be obtained from banks and exchange bureaus.

CME Credits
The “XXXth International Workshop on Helicobacter and Related Bacteria in Chronic Digestive Inflammation and Gastric Cancer” was granted a total of 24 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

Coffee Breaks and Lunch
During the session breaks refreshments (coffee, tea, and water) will be served free of charge to participants wearing name badges.
Lunch tickets for Friday and Saturday had to be pre-ordered and cannot be purchased on site. Lunch tickets are not refundable.

Congress Venue
XXXth Workshop of the EHMSG:
Palais des Congrès de Bordeaux Lac, Avenue Jean Gabriel Domergue, 33300 Bordeaux, France

Conference Venue Master Class & Postgraduate Course
Pullman Bordeaux Lac Acquitaine, Avenue Jean Gabriel Domergue, 33000 Bordeaux Lac, France

How to reach the Venue
By car: EXIT N° – 4A- 4B Parc des Expositions to Bordeaux Lac, Free car park nearby, From train station Gare St Jean: 20 minutes, From airport : 20 min
By train: Arrival SAINT JEAN Train Station, Go the Tramway line C, Stop :Palais des Congrès (40 min)
By plane: Take Bus Shuttle to downtown, then tramway line C

Currency
The official currency of France is the Euro (EUR).
1 EUR = 1,18 USD = 0,90 GBP = 129 JPY = 1,13 CHF = 7,43 DKK = 1,49 AUD = 1,49 CAD as per date of printing.

Electricity Supply
230V - 50Hz; Socket type  E. This socket also works with plug C and plug F if it has an additional pinhole Connectors can be obtained from your hotel reception or electronic stores.

GSM cell phone roaming
GSM cell/mobile phone roaming is available without any problems for all major international providers. It is advisable to inquire at your provider which roaming company in France offers the cheapest tariffs for non-EU contracts.

Internet
You will find Internet cafés throughout the city. WIFI is available,
Pullman Bordeaux Lac: sign in using your email address
GENERAL INFORMATION

Language
The official language of the workshop is English (no simultaneous translation).

Liability
In registering for the EHMSG 2017 participants agree that neither the organising committee nor the congress office assume any liability whatsoever. Participants are requested to make their own arrangements in respect of health and travel. Furthermore, the organisers cannot assume any liability for changes in the programme due to external or unforeseen circumstances and force majeure.

Opening hours of the registration desks
Hotel Pullman Bordeaux Lac
Wednesday, September 6, 2017:  12.00 – 19.30 hrs
Thursday, September 7, 2017:  07.30 – 20.00 hrs
Palais des Congrès
Friday, September 8, 2017:  07.15 – 18.30 hrs
Saturday, September 9, 2017:  07.30 – 18.30 hrs

Opening hours of the Exhibition at the Palais des Congrès
Friday, September 8, 2017:  08.00 – 18.30 hrs
Saturday, September 9, 2017:  07.30 – 18.30 hrs

Poster Removal
The organisers cannot assume any liability for loss or damage of posters displayed in the poster area. Posters that were not removed after the end of the respective day of display, will be removed and will not be kept nor mailed to the author after the meeting.

Presentations
All presenters should hand in their electronic presentation to the technician of the according lecture room in a break at least 1 hour before your talk either via USB-Memory Stick or DVD-Rom (30 minutes for talks in the first morning sessions).

Due to EACCME regulations, authors are requested to disclose possible conflicts of interest on the first slide.
A conflict of interest is any situation in which a speaker or immediate family members have interests, and those may cause a conflict with the current presentation. Conflicts of interest do not preclude the delivery of the talk, but should be explicitly declared. These may include financial interests (e.g. owning stocks of a related company, having received honoraria, consultancy fees), research interests (research support by grants or otherwise), organisational interests and gifts.
If you have nothing to disclose, please state “I have no commercial disclosure” instead of the table.

Public Transportation
A limited number of tickets for public transportation will be available free of charge and will be handed out on site at the registration desk upon request on a first-come-first-served basis.

Safety - Crime
Visitor safety is generally adequate, like in any other major European city. You can walk everywhere using common sense. Pickpocketing in heavily visited tourist zones or in public transport lines might be a concern. Unfortunately experience has shown that some basic precautionary measures should always be kept in mind in any city:
- Do not carry important items like flight tickets, passports etc. with you when visiting the conference or strolling through the city, leave them in the hotel safe during your stay. Rather carry a Xerox copy of your passport or an identity card with you.
- Try not to carry all documents, money, credit cards and other essential items and valuables in one bag. If it is lost or stolen, everything will be gone and might be difficult to replace on short notice, especially passports and visa to return to your country of residence.
- Take off your name badge when leaving the conference venue, it will make you easily identifiable as a tourist.

Smoking Policy
The EHMSG 2017 Workshop is a “No-smoking-Conference”.

Staff
If you should have any questions, the congress staff will be pleased to help you.
## Registration Details

### Registration Fees

<table>
<thead>
<tr>
<th>Payment received</th>
<th>Before July 15, 2017</th>
<th>After July 15, 2017 &amp; on site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Participants</td>
<td>EUR 320.–</td>
<td>EUR 420.–</td>
</tr>
<tr>
<td>Young Scientists (&lt;35 years)</td>
<td>EUR 170.–</td>
<td>EUR 220.–</td>
</tr>
<tr>
<td>Students (&lt;30 years)</td>
<td>EUR 110.–</td>
<td>EUR 110.–</td>
</tr>
<tr>
<td>Company Representatives</td>
<td>EUR 450.–</td>
<td>EUR 550.–</td>
</tr>
<tr>
<td>Member of the Paediatric Task Force and of the SToP Project</td>
<td>EUR 220.–</td>
<td>EUR 220.–</td>
</tr>
<tr>
<td>Day Ticket - Regular / Young Scientist / Student</td>
<td>-</td>
<td>EUR 220.– / 145.– / 80.–</td>
</tr>
<tr>
<td>Postgraduate Course</td>
<td>EUR 150.–</td>
<td>EUR 150.–</td>
</tr>
<tr>
<td>Combined Fee EHMSG &amp; Postgraduate Course - Regular Participants</td>
<td>EUR 420.–</td>
<td>EUR 520.–</td>
</tr>
<tr>
<td>Combined Fee EHMSG &amp; Postgraduate Course - Young Scientists</td>
<td>EUR 270.–</td>
<td>EUR 320.–</td>
</tr>
<tr>
<td>Combined Fee EHMSG &amp; Postgraduate Course - Students</td>
<td>EUR 210.–</td>
<td>EUR 210.–</td>
</tr>
<tr>
<td>Combined Fee EHMSG &amp; Postgraduate Course - Company Representatives</td>
<td>EUR 550.–</td>
<td>EUR 650.–</td>
</tr>
<tr>
<td>Combined Fee EHMSG &amp; Postgraduate Course - Paediatric Task Force and of the SToP Project</td>
<td>EUR 320.–</td>
<td>EUR 320.–</td>
</tr>
<tr>
<td>Master Class (Maximum attendance: 40 participants)</td>
<td>EUR 100.–</td>
<td>EUR 100.–</td>
</tr>
</tbody>
</table>

**Payment of Registration fees** may be made either cash in Euro or by Credit Card (Diners Club, Mastercard and Visa).

**Please note**
The reduced registration fee was only applicable, if it has been credited to the congress account before the deadline. Registering before July 15, 2017 without performing an actual payment was not sufficient to benefit from the reduction.

**What is covered by the registration fee?**
- Admission to all scientific sessions and the exhibition
- Admission to the networking mixer
- Programme book
- 1 copy of “Year in Helicobacter 2017 & Abstracts”
- Refreshments during coffee breaks

**Cancellations**
Notice of cancellation must have been made in writing by email or fax to the Congress Office. The date of the email/fax ID was the basis for considering refunds. Registration fees may be refunded after the workshop as follows. Cancellation received:
- before August 7, 2017: 75% refund
- after August 7, 2017: no refund
GENERAL INFORMATION

Networking Events

Wednesday, September 6, 2017, 19.30 hrs
Networking Event at the Bordeaux City Hall
Event Fully booked

Thursday, September 7, 2017, 18.45 hrs
Networking Event at the Hotel Pullman
Free for registered participants, however registration for this event is mandatory.

Friday, September 8, 2017, 20.00 hrs
EHMSG Networking Evening at the Chateau d’Agassac
Event Fully booked - Ticket is required and will be checked at the entrance.
New Instruments generations in Breath test Analysis.
Helicobacter Test INFAI®

The most used $^{13}$C-urea breath test for the diagnosis of Hp-infection worldwide

- more than 5.8 million INFAI tests performed worldwide
- especially approved for children from the ages of 3 to 11
- special INFAI test for patients with dyspepsia taking PPIs (new)
- cost-effective CliniPac Basic version for hospital use

INFAI GmbH
Gottfried-Hagen Straße 60-62
51105 Cologne
Germany

Phone: +49 221 880 44-3
Fax: +49 221 880 44-55
Email: mail@infai.com
Web: www.infai.com