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
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Antibiotherapy and the Gut - New Concepts

September 6 – 9, 2017
Bordeaux
France
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<td>- Thursday, September 7</td>
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## Award Recipients

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

## Next EHMSG Workshop

**Kaunas, Lithuania, September 14-15, 2018**
Welcoming address by the President of the European Helicobacter and Microbiota Study Group
Prof. Dr. Francis Mégraud

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 Buruoca, 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

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 Malfertheiner, 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)
## PROGRAMME AT A GLANCE

### 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 hrs</td>
<td>Master Class - Gut Microbiota</td>
<td>Hôtel Pullman Bordeaux Aquitania Salle Aliénor</td>
</tr>
<tr>
<td>16:30 - 17:00 hrs</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>17:00 - 19:00 hrs</td>
<td>Symposium – Microbiota in Colonic Diverticular Disease</td>
<td>Hôtel Pullman Bordeaux Aquitania Salle Rohan B</td>
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<tr>
<td>19:30 hrs</td>
<td>Networking Event</td>
<td>Bordeaux City Hall</td>
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### Thursday, September 7, 2017

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:15 - 18:30 hrs</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 hrs</td>
<td>Introduction</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>08:30 - 09:30 hrs</td>
<td>The Players</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>09:30 - 10:00 hrs</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>10:00 - 12:00 hrs</td>
<td>Impact of antibiotics on gut microbiota in specific conditions</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>12:00 - 13:30 hrs</td>
<td>Lunch Break</td>
<td></td>
</tr>
<tr>
<td>13:30 - 16:10 hrs</td>
<td>Antibiotic-induced gut dysbiosis</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>16:10 - 16:30 hrs</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>16:30 - 18:30 hrs</td>
<td>Far East – EHMSG Symposium: Gut Microbiota &amp; H. pylori</td>
<td>Salle Rohan B</td>
</tr>
<tr>
<td>19:00 - 22:00 hrs</td>
<td>Opening Ceremony</td>
<td>Hôtel Pullman Bordeaux Aquitania Espace Pauses/Flore</td>
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### Friday, September 8, 2017

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>14:15 - 15:45 hrs</td>
<td>Parallel Workshops from Submitted Abstracts</td>
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<tr>
<td></td>
<td>Workshop W1. Pediatrics, Extragastric Disease, Diagnosis and Epidemiology</td>
<td>Amphithéatre A</td>
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<td></td>
<td>Workshop W2. Virulence Factors &amp; Pathogenesis</td>
<td>Amphithéatre C</td>
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<tr>
<td>15:45 - 16:15 hrs</td>
<td>Coffee Break</td>
<td>Exhibition Hall</td>
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<tr>
<td>16:15 - 17:45 hrs</td>
<td>Parallel Workshops from Submitted Abstracts</td>
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<tr>
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<td>Workshop W3. Treatment and Resistance</td>
<td>Amphithéatre A</td>
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<tr>
<td></td>
<td>Workshop W4. Microbiota</td>
<td>Amphithéatre C</td>
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<tr>
<td>17:45 - 18:00 hrs</td>
<td>Historical views on Microbiota</td>
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<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>
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## Saturday, September 9, 2017

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<tr>
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<tbody>
<tr>
<td>08:00 - 18:30 hrs</td>
<td>XXXth International Workshop of the EHMSG - Day 2</td>
<td>Palais des Congrès</td>
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<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>
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<tr>
<td></td>
<td>Workshop W6. Microbiology &amp; Genomics</td>
<td>Amphithéatre C</td>
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<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>
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<td>Clinical Symposium</td>
<td>Amphithéatre A</td>
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<tr>
<td></td>
<td>Bioinformatics Symposium</td>
<td>Amphithéatre C</td>
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<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 Awarding of the Marshall and Warren Medal to J.C. Delchier EHMSG Presentation and Poster Awards Latest publication trends and the Biocodex training project Presentation of the next meeting in Kaunas, Lithuania Closing remarks</td>
<td>Amphithéatre A</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Location</td>
</tr>
<tr>
<td>--------------</td>
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</tbody>
</table>
| 14:00 - 16:30 hrs | **Master Class - Gut Microbiota**  
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)  | Hôtel Pullman Bordeaux Aquitania - Aliénor |
| 16:30 - 17:00 hrs | **Coffee break**  | |
| 17:00 - 19:00 hrs | **Symposium**  
**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)  | Hôtel Pullman Bordeaux Aquitania - Rohan |
| 19:30 hrs     | **Networking Event at the Bordeaux City Hall**  | |

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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 - 10:30 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)

11:09 - 11:22 hrs  - Liver disease  Herbert Tilg (Innsbruck, Austria)

11:22 - 11:45 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?  Benoît 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
Far East – EHMSG Symposium: Gut Microbiota & H. pylori
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
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  Amphithéâtre A
Sebastian Suerbaum (Munich, Germany)

08:45 - 09:15 hrs  Emergence of a new phylogeographic group of H. pylori in Latin American mestizos  Amphithéâtre A
Javier Torres (Mexico City, Mexico)

09:15 - 09:45 hrs  Are the phylogeographic data on Mycobacterium tuberculosis matching those of H. pylori?  Amphithéâtre A
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  Amphithéâtre A
Nuno Lunet (Porto, Portugal)

11:05 - 11:25 hrs  The Hippo/YAP pathway in gastric cancer stem cells  Amphithéâtre A
Christine Varon (Bordeaux, France)

11:25 - 11:45 hrs  Role of nervous system in gastric tumorigenesis  Amphithéâtre A
Tamara Matysiak-Budnik (Nantes, France)

11:45 - 12:05 hrs  Synergy between EBV & H. pylori  Amphithéâtre A
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
PROGRAMME  FRIDAY, SEPTEMBER  8

14:15 - 15:45 hrs  Parallel Workshops from Submitted Abstracts

Workshop W1. Pediatrics, Extragastric Disease, Diagnosis and Epidemiology  Amphithéâtre A
Chairpersons: Philippe Lehours (Bordeaux, France), Tomica Milosavljevic (Belgrade, Serbia)
Time for questions: 3’ per speaker

14:15 - 14:27 hrs  W1.0 Keynote Lecture
Philippe Lehours
Bordeaux, France

14:15 - 15:45 hrs  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 D. M. M. Queiroz1, L. L. C. Braga1, R. H. Gilman1, W. Chekley2, S. L. Perry2, G. A. Rocha3, J. E. Crabtree4;
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.

14:15 - 14:27 hrs  W1.0 Keynote Lecture
Philippe Lehours
Bordeaux, France

14:27 - 14:39 hrs  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 cohort of children D. M. M. Queiroz1, L. L. C. Braga1, R. H. Gilman1, W. Chekley2, S. L. Perry2, G. A. Rocha3, J. E. Crabtree4;
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.

14:39 - 14:51 hrs  W1.2 Clinical presentation and antibiotic susceptibility in *H. pylori* infected children: Results of the EuroPedHP Registry
M. Kori1, K. Werkstetter2, A. Sustmann2, A. Lopez3, J. Cabrañ3, B. Iwanczak4, Z. Misak4, N. Kalachi5, K. Kotilea6, E. Pehlivanoglu7, M. Korkut Ugras; 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, Instanbul, 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/ (Vilnus University Children’s hospital), Vilnus, Lithuania, 19Athens University Medical School, Athens, Greece, 20Athens Interconnected Children’s Hospitals “P. & A. Kyriakou” and “Agia Sophia”, Athens, Greece, 21University of Naples “Federico II”, Naples, Italy, 22Academich Medisch Centrum Universiteit van Amsterdam, Amsterdam, Netherlands, 23Bambino Gesu Children Hospital, Roma, Italy, 24Semmelweis University, Budapest, Hungary, 25Queen Fabiola Children’s University Hospital, Brussels, Belgium.

14:51 - 15:03 hrs  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, Nan Chang, China.

15:03 - 15:15 hrs  W1.4 Alzheimer and *Helicobacter pylori* infection: inflammation from stomach to brain? Preliminary results.
G. Albaret1, E. Sifré1, P. Floch1, S. Layd2, A. Aubert2, N. Salles2, F. Mégraud1, P. Lehours1, C. Roubaud-Baudron1;
1INSERM 1053, Bordeaux, France, 2INRA 1126, Bordeaux, France, 3Pôle gériatrie CHU Bordeaux, Bordeaux, France.

15:15 - 15:27 hrs  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 + ClarirR
C. Burucoa1, B. Plichard1, T. Barrioz1, C. Silvain1;
1CHU Poitiers, Poitiers, France, 2EA 4331 LITEC, University of Poitiers, Poitiers, France.

15:27 - 15:39 hrs  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.

15:45 - 16:15 hrs  Coffee break

Exhibition Hall

16:15 - 17:00 hrs  Exhibition Hall
www.ehmsg.org
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. Mejias-Luque¹, B. Singer¹, S. Backert¹, H. Remaut², M. Gerhard¹;  
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-Carlotti⁴,², W. He¹,², J. Moret³,⁴, E. Leroux-Goglin¹,², C. Grosset⁵,², C. Varon¹,², P. Dubus¹,²,³,⁴, 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 neurodégénératives, 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. Chawanthayatham, J. M. Essigmann, J. G. Fox;  
Massachusetts Institute of Technology, Cambridge, MA, United States.

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

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PROGRAMME FRIDAY, SEPTEMBER 8

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

Workshop W3. Treatment and Resistance  Amphithéâtre A
Chairpersons: David Graham (Houston, TX, USA), Dominique Lamarque (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 (Hp-EuReg): First-line treatments and Interim Analysis of 20,000 Patients
See affiliations in the abstract book

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, 10University Children’s Hospital, Ljubljana, Slovenia, 11Hospital Infantil universitario Nino Jesus, Madrid, Spain, 12Hospital de la Princesa, Madrid, Spain, 11Karolinska University Hospital, Stockholm, Sweden, 14Hospital Puerta de Hierro-Majadahonda, Madrid, Spain, 16University Hospital of Loanna, Ioannina, Greece, 17Vilnius University Children’s Hospital, Vilnius, Lithuania, 18University of Athens, Athens, Greece, 19Athen’s Interconnected Children’s Hospital, Athens, Greece, 20University of Naples, Naples, Italy, 21Academisch Medisch Centrum Universiteit Van Amsterdam, Amsterdam, Netherlands, 22Bambino Gesu Children Hospital, Roma, Italy, 23Semmelweis 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. Vaira3;
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.

17:15 - 17:27 hrs  W3.5 Treatment of *Helicobacter pylori* infection: 2017 recommendations for practice by the French National Authority for Health and the French National Council of gastroenterologists
V. Lindecker-Cournil1, J. D. De Korwin23, F. Abramovic3, R. Cayla2, S. Leclerc4, C. Pesset5, M. Rodde-Dunet1, 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, Lagny, 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. Wang3, L. Zhuge1, W. Yin1, Z. Li2, 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.
16:15 - 17:45 hrs  Parallel Workshops from Submitted Abstracts

**Workshop W4. Microbiota**

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-Rodríguez¹, K. Fock², K. Goh¹, H. M. Mitchell¹, N. O. Kaakoush¹;
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, J. Pereira-Marques², J. Pinto-Ribeiro¹, J. L. Costa¹, F. Carneiro¹, J. C. Machado¹, C. Figueiredo¹;
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.

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. Severgnini², C. Consolandi², C. Peano³, R. Brosch¹, C. Leclerc¹;
¹Institut Pasteur, Paris, France, ²Institute of Biomedical Technologies, CNR, Milan, Italy.

17:03 - 17:15 hrs  W4.4 Bacteriome and mycobiome analysis underscore 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. Simonelli³, G. Quaranta³, F. Scaldaferri³, M. Sanguinetti³, 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

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
XXXth International Workshop of the European Helicobacter and Microbiota Study Group - Day 2

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

08:00 - 08:20 hrs
Role of CagA in the gastric biology of *H. pylori*
Steffen Backert (Erlangen, Germany)

08:20 - 08:40 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)

10:00 - 10:30 hrs
Coffee break

10:30 - 12:00 hrs
Symposium Microbiota
Chairpersons: Herbert Tilg (Innsbruck, Austria), Georgina Hold (Aberdeen, UK)
Time for questions: 5’ per speaker

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

13:00 - 14:00 hrs
Lunch break and Guided Poster Rounds
Parallel Workshops from Submitted Abstracts

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. Cheung³;
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
¹National University of Singapore, Singapore, Singapore, ²National University Health System, Singapore, Singapore, ³Raffles Hospital, Singapore, Singapore, Singapore, ⁴Tan Tock Seng Hospital, Singapore, Singapore, ⁵Singapore General Hospital, Singapore, Singapore, ⁶Gleneagles Hospital, Singapore, Singapore, ⁷Changi General Hospital, Singapore, Singapore, ⁸Mount Elizabeth Medical Centre, Singapore, Singapore, ⁹Queen’s University Belfast, Singapore, Singapore, ¹⁰Cancer Science Institute of Singapore, Singapore, Singapore.

14:36 - 14:48 hrs  W5.3 Metformin targets gastric cancer stem cells
S. Courtois¹,², R. Duran³,², 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. Nachbur¹, B. A. Croker¹, S. L. Masters², R. L. Ferrero¹;
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 LAT52 negatively regulates inflammatory cytokine production in *Helicobacter pylori*-infected gastric epithelial cells
S. Molina-Castro¹,², C. Staedel³, J. Giraud³, P. Lehours¹,², P. Dubus¹,², F. Mégraud¹,², C. Varon¹;
¹U1053 INSERM BarITOn, Université de Bordeaux, Bordeaux, France, ²INISA/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.
14:00 - 15:00 hrs  Workshop 6: Microbiology & Genomics  Amphithéâtre C
Chairpersons: Hilde de Reuse (Paris, France), Steffen Backert (Erlangen, Germany)
Time for questions: 3' per speaker

14:00 - 14:12 hrs  W6.1 Helicobacter pylori Genome Project (HpGP)
M. C. Camargo, HpGP Network; U.S. National Cancer Institute, Rockville, MD, United States.

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. Yano1,2,3, M. Z. Alam1, E. Rimbară1, T. Shibata2, M. Fukuyo3, Y. Furuta1, T. Nishiym2, S. Shigenobu4, M. Hasebe4, A. Toyoda4, Y. Suzuki4, S. Sugano5, K. Sibayama6, I. Kobayashi7,8,9; 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, Musashikyuryo, Japan, 4National Institute for Basic Biology, Okazaki, Japan, 5Chiba University, School of Medicine, Chiba, Japan, 6Advanced Science Center, Kanazawa University, Kanazawa, Japan, 7National Institute of Genetics, Mishima, Japan, 8Kyorin University, School of Medicine, Mitaka-shi, Japan, 9Université Paris-Saclay, I2BC, Gif-sur-Yvette, France.

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, K. Korlach1, 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. Sheppard5; 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. Schmitt1, K. Anger1, Y. Redko1, Y. Quentin2, H. De Reuse1; *contributed equally to this article; 1Institut Pasteur, Département de Microbiologie, Unité Pathogénèse de Helicobacter, ERL CNRS 3526, Paris, France, 2Institut Pasteur, Imago, plate-forme de micropreparation ultrastructurale, Paris, France.

15:12 - 15:24 hrs  W6.6 Genome and methylome variability of cag pathogenicity island-carrying Helicobacter pylori during early human infection
S. Nell1, J. Krebes1, I. Estíbariz2, B. Bunk3, D. Y. Graham4, J. Overmann4, Y. Song5, C. Sproer6, I. Yang7, T. Wex7, J. Korlach7, K. Korlach7, P. Malferttheiner8, S. Suerbaum7; 1Hannover Medical School, Hanover, 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.
PROGRAMME SATURDAY, SEPTEMBER 9

15:30 - 16:00 hrs  
**Debate**  
Chair: Pierre Dubus (Bordeaux, France), Ari Ristimaki (Helsinki, Finland)

**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)  
**Time for questions: 5’ per speaker**

16:00 - 16:20 hrs  
**Risk of GI bleeding**  
Francis Chan (Hong Kong, China)

16:00 - 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)  
**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. Blanco³, P. Urruzuno³, M. Martínez⁴, 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)

**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**  
**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 Domínguez-Muñoz, Spain

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
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<tbody>
<tr>
<td>13:15 - 13:20 hrs</td>
<td>Welcome and introduction</td>
<td>Enrique Domínguez-Muñoz</td>
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<tr>
<td>13:30 - 13:45 hrs</td>
<td>Bismuth quadruple therapy: Translating clinical trials into clinical practice</td>
<td>Stephan Miehlke</td>
</tr>
<tr>
<td>13:45 - 14:00 hrs</td>
<td>Real-world management of <em>Helicobacter pylori</em>: Interactive patient case</td>
<td>Peter Malfertinger &amp; Stephan Miehlke</td>
</tr>
<tr>
<td>14:00 - 14:10 hrs</td>
<td>Panel discussion</td>
<td>All</td>
</tr>
<tr>
<td>14:10 - 14:15 hrs</td>
<td>Summary and close</td>
<td>Enrique Domínguez-Muñoz</td>
</tr>
</tbody>
</table>

## 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 extragastro-duodenal 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:

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**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, Free 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
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>
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<th>Payment received</th>
<th>Before July 15, 2017</th>
<th>After July 15, 2017 &amp; on site</th>
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<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>
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<tr>
<td>Students (&lt;30 years)</td>
<td>EUR 110.–</td>
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<td>Company Representatives</td>
<td>EUR 450.–</td>
<td>EUR 550.–</td>
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<tr>
<td>Member of the Paediatric Task Force and of the SToP Project</td>
<td>EUR 220.–</td>
<td>EUR 220.–</td>
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Day Ticket - Regular / Young Scientist / Student

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<tr>
<td>Regular</td>
<td>EUR 220.–</td>
<td>EUR 220.– / EUR 145.– / EUR 80.–</td>
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<tr>
<td>Young Scientist</td>
<td>EUR 145.–</td>
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<td>Student</td>
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Postgraduate Course

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<tr>
<td>EUR 150.–</td>
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Combined Fee EHMSG & Postgraduate Course - Regular Participants

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<th>Combined Fee EHMSG &amp; Postgraduate Course - Regular Participants</th>
<th>Before July 15, 2017</th>
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<tr>
<td>EUR 420.–</td>
<td>EUR 520.–</td>
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Combined Fee EHMSG & Postgraduate Course - Young Scientists

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<tr>
<td>EUR 270.–</td>
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Combined Fee EHMSG & Postgraduate Course - Students

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<th>Combined Fee EHMSG &amp; Postgraduate Course - Students</th>
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<th>After July 15, 2017 &amp; on site</th>
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<td>EUR 210.–</td>
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Combined Fee EHMSG & Postgraduate Course - Company Representatives

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<td>EUR 550.–</td>
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Combined Fee EHMSG & Postgraduate Course - Paediatric Task Force and of the SToP Project

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<td>EUR 320.–</td>
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Master Class (Maximum attendance: 40 participants)

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<td>EUR 100.–</td>
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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
**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.*
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Web: www.infai.com