



XXXVIth Workshop of the European Helicobacter & Microbiota Study Group

EHMSG Postgraduate Course

*“Where basic scientists meet clinicians:
novel insights in microbiota interactions and their clinical utility”*

September 7 - 9, 2023 | Antwerp, Belgium



Final Programme

www.workshop.ehmsg.org





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EHMSG Postgraduate Course

*“Where basic scientists meet clinicians:
novel insights in microbiota interactions and their clinical utility”*

September 7 - 9, 2023 | Antwerp, Belgium

in association with
UNITED EUROPEAN
GASTROENTEROLOGY
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AWARDEES OF THE MARSHALL AND WARREN MEDAL

- 2023 Youri Glupczynski, Brussels, Belgium
- 2022 Massimo Rugge, Padova, Italy
- 2021 Dulciene Queiroz, Belo Horizonte, Brazil
- 2020 Hazel Mitchell, Sydney, Australia
- 2019 Guillermo Perez-Perez, New York, NY, United States
- 2018 Kenneth McColl, Glasgow, United Kingdom
- 2017 Jean-Charles Delchier, France
- 2016 Ken Sugano, Shimotsuke, Japan
- 2015 Heidi-Ingrid Maaros, Tartu, Estonia
- 2014 Manfred Kist, Freiburg, Germany
- 2013 Masahiro Asaka, Sapporo, Japan
- 2012 Richard Hunt, Hamilton, ON, Canada
- 2011 Samy Cadranet, Brussels, Belgium
- 2010 Reinhold W. Stockbrügger, Maastricht, The Netherlands
- 2009 Pelayo Correa, Nashville, TN, United States
- 2008 Timo Kosunen, Helsinki, Finland
- 2007 Mike Dixon, Leeds, United Kingdom
- 2006 Barry Marshall, Perth, Australia & Stanislaw Konturek, Cracow, Poland

NEXT EHMSG WORKSHOP

Porto, Portugal | September 12 - 14, 2024

Welcoming address by the President of the European Helicobacter and Microbiota Study Group Prof. Dr. Annemieke Smet

Dear Colleagues,

It has been 30 years since our group held its annual meeting in Belgium, so it is my great pleasure, on behalf of the European Helicobacter and Microbiota Study Group (EHMSG), to welcome you to Antwerp for the 2023 Conference on September 7th – 9th.

Antwerp is the capital of Antwerp Province in the Flemish Region and the second-largest metropolitan region after Brussels. Antwerp is on the River Scheldt, linked to the North Sea, and the port of Antwerp is one of the biggest in the world.

There is a folklore tradition that the name “Antwerpen” comes from “hand werpen”, Dutch for “hand throwing”. A giant called Antigoon is said to have lived near the Scheldt and demanded a toll from passing boatmen. He cut off the hand of anyone who did not pay and threw it in the river. Eventually, the giant was killed by a young hero Silvius Brabo, who chopped off the giant’s own hand and flung it into the river.

Antwerp is notable for its great painters. Peter Paul Rubens is one of the most famous Flemish painters. He had many apprentices working in his studio (now known as the “Rubenshuis” museum), including the young Anthony Van Dyck. It is during that time, that the two altarpieces currently exposed in the Cathedral of our Lady in Antwerp, were produced.

Antwerp is also a rising fashion city and famous for its local products and diamond district.

Our venue is located in the heart of the city next to the Antwerp zoo, which is one of the oldest zoos of Europe, and near the Central railway station. The conference dinner will be held at the Horta Art Nouveau Zaal where you will be immersed in fine delicacies, that Belgium is known for.

The EHMSG 2023 meeting promises to be scientifically inspiring, highlighting the latest developments from the Helicobacter and Microbiota field by outstanding researchers and clinicians from all across the world.

I look forward to seeing you in Antwerp soon!

With my best wishes,

Annemieke Smet
President of the European Helicobacter and Microbiota Study Group





SAVE THE DATES

XXXVIIth Workshop of the European Helicobacter & Microbiota Study Group

September 12 - 14, 2024 | Porto, Portugal



Local Organising Committee

President EHMSG 2024: José Carlos Machado, Porto, Portugal

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www.workshop.ehmsg.org



European Helicobacter & Microbiota Study Group EHMSG

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 Gianluca Ianiro, Italy
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 Theodore Rokkas, Greece
 Christian Schulz, Germany
 Annemieke Smet, Belgium
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 Erik A.J. Rauws, The Netherlands
 Pentti I. Sipponen, Finland
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Workshops of the EHMSG

- Bordeaux (1988)
- Ulm (1989)
- Toledo (1990)
- Bologna (1991)
- Dublin (1992)
- Brussels (1993)
- Houston (1994)
- Edinburgh (1995)
- Copenhagen (1996)
- Lisbon (1997)
- Budapest (1998)
- Helsinki (1999)
- Rome (2000)
- Strasbourg (2001)
- Athens (2002)
- Stockholm (2003)
- 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)
- Kaunas (2018)
- Innsbruck (2019)
- Virtual Edition (2020)
- Virtual Edition (2021)
- Glasgow (2022)
- **Antwerp (2023)**

Local Committee

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Annemieke Smet, Belgium

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Thursday, September 7, 2023

08.30 - 18.05 hrs	EHMSG Postgraduate Course “Where basic scientists meet clinicians: novel insights in microbiota interactions and their clinical utility”	Room Gorilla 1
19.00 - 20.00 hrs	Networking Event	Welcome Reception hosted by the City of Antwerp at the Antwerp City Hall

Friday, September 8, 2023

08.00 – 18.30 hrs	EHMSG 2023 Conference	
08.00 – 10.00 hrs	Session 1: What’s happening in <i>H.pylori</i> and gut microbiota	Room Okapi
10.00 - 10.30	<i>Coffee Break</i>	Atrium Exhibition & Poster Area
10.30 – 12.30 hrs	Session 2: News on gastritis <i>(Parallel Session)</i>	Room Okapi
10.30 – 12.30 hrs	Session 3: Microbiome mechanisms of action <i>(Parallel Session)</i>	Room Gorilla
12.30 – 14.00 hrs	<i>Lunch Break & Poster Viewing</i>	Atrium Exhibition & Poster Area
14.00 – 16.00 hrs	Session 4: <i>Helicobacter pylori</i> Genome Project (HpGP) <i>(Parallel Session)</i>	Room Gorilla
14.00 - 16.00 hrs	Session 5: Microbiota modulation for a healthy life <i>(Parallel Session)</i>	Room Okapi
16.00 - 16.30 hrs	<i>Coffee Break</i>	Atrium Exhibition & Poster Area
16.30 - 18.30 hrs	Session 6: Gastric Carcinogenesis <i>(Parallel Session)</i>	Room Okapi
16.30 - 18.30 hrs	Session 7: Microbiota modulation by FMT <i>(Parallel Session)</i>	Room Gorilla
20.00 hrs	Networking Dinner	Conference Dinner at the HORTA Art Nouveau Room



Saturday, September 9, 2023

08.30 – 18.30 hrs	EHMSG 2023 Conference	
08.30 – 09.00 hrs	Session 8: Memorial Talks	Room Okapi
09.00 – 11.00 hrs	Session 9: <i>H pylori</i> management <i>(Parallel Session)</i>	Room Okapi
09.00 – 11.00 hrs	Session 10: Diseases & Microbiota <i>(Parallel Session)</i>	Room Gorilla
11.00 - 11.30 hrs	<i>Coffee Break</i>	Atrium Exhibition & Poster Area
11.30 - 12.30 hrs	Session 11 - Industry-Sponsored Satellite Symposium	Room Okapi
12.30 – 14.30 hrs	<i>Lunch Break & Poster Viewing</i>	Atrium Exhibition & Poster Area
14.30 - 15.30 hrs	Session 12: Debates – Search for the truth	Room Okapi
15.30 - 17.20 hrs	Session 13: Updates in Helicobacter & Microbiota	Room Okapi
17.20 - 18.30 hrs	Session 14: Closing Session	Room Okapi





EHMSG Postgraduate Course

“Where basic scientists meet clinicians:
Novel insights in microbiota interactions and their clinical utility”

Course directors: Annemieke Smet, Benedicte De Winter, Sarah Lebeer,
Nele Brusselaers, Marie Joossens, Lukas Van Oudenhove

Room Gorilla 1

08.30 – 09.40 hrs	Session 1: Opening session: State-of-the-art lectures <i>Chair: Benedicte de Winter, Nele Brusselaers</i>	
08.30 – 08.40 hrs	1.1. Course Introduction and Welcome Annemieke Smet, Antwerp, Belgium	
08.40 – 09.10 hrs	1.2. Current understanding of the human microbiome Martin Blaser, Piscataway, NJ, USA	
09.10 – 09.40 hrs	1.3. The microbiome in early life Maria Gloria Dominguez Bello, Piscataway, NJ, USA	
09.40 - 10.10 hrs	Coffee Break	Room Gorilla 2 - 4
10.30 – 12.00 hrs	Session 2: Partners in slime - How mucins interact with the microbiota <i>Chair: Annemieke Smet, Yaron Niv</i>	
10.10 – 10.35 hrs	2.1 The past, present and future of mucin-microbe interactions Malin Johansson, Gothenburg, Sweden	
10.35 – 11.00 hrs	2.2. Profiling mucin-degrading microbes in the human gut microbiota Mindy Engevik, Charleston, SC, USA	
11.00 – 11.25 hrs	2.3. Akkermansia muciniphila: a friendly bacterium who cares mucus Clara Belzer, Wageningen, The Netherlands	
11.25 – 11.50 hrs	2.4. Crosstalk between Helicobacter and mucins: a hate and love relationship Yaron Niv, Tel Aviv, Israel	
11.50 – 13.00 hrs	Lunch Break	Room Gorilla 2 - 4
13.00 – 14.50 hrs	Session 3: Microbiota-organ axes: a microbial outreach and networking <i>Chair: Sarah Lebeer, Lukas Van Oudenhove</i>	
13.00 – 13.25 hrs	3.1. Gut-vaginal microbial crosstalk: implications for women’s health Henriette Svarre Nielsen, Copenhagen, Denmark	
13.25 – 13.50 hrs	3.2. Gut microbiota as driving force in NAFLD development Max Nieuwdorp, Amsterdam, The Netherlands	
13.50 – 14.15 hrs	3.3. Microbiota-Gut-Brain axis: mechanistic insights from rodent studies Gerard Clarke, Cork, Ireland	
14.15 – 14.32 hrs	3.4. From Mice to Men: Translational and Clinical Studies on the Microbiota-Gut-Brain axis Tandem Talk Lukas Van Oudenhove, Leuven, Belgium	
14.32 – 14.50 hrs	3.5. From Mice to Men: Translational and Clinical Studies on the Microbiota-Gut-Brain axis Tandem Talk Boushra Dalile, Leuven, Belgium	



14.50 - 16.05 hrs

Session 4: Microbial therapy – opportunities and challenges

Chair: Lars Engstrand, Nele Brusselaers

14.50 – 15.15 hrs

4.1. Culturomics: paradigm shift in the human gut microbiome story

Lars Engstrand, Stockholm, Sweden

15.15 – 15.40 hrs

4.2. In vitro microbiota culture as treatment for dysbiosis

Juan Du, Solna, Sweden

15.40 – 16.05 hrs

4.3. The challenges of microbiota-based interventions

Gabriel Leventhal, Schlieren, Switzerland

16.05 - 16.35 hrs

Coffee Break

Room Gorilla 2 - 4

16.35 - 17.50 hrs

Session 5: Translating the gut microbiota - ready for the clinic?

Chair: Marie Joossens, Herbert Tilg

16.35 – 17.00 hrs

5.1. Bridging the gap between preclinical and clinical microbial research

Pieter Van den Abbeele, Ghent, Belgium

17.00 – 17.25 hrs

5.2. Translational metabolomics: where are we now?

Herbert Tilg, Innsbruck, Austria

17.25 – 17.50 hrs

5.3. The gut microbiome and its role in shaping the immunotherapy outcome in cancer

Gianmarco Piccinno, Trento, Italy

17.50 – 18.05 hrs

Session 6: Closing

Chair: Annemieke Smet

06.01. Annemieke Smet

19.00 - 20.00 hrs

EHMSG 2023 Welcome Reception





Friday

Saturday

Sponsored Symposium

Scientific Information

Acknowledgements

General Information

08.00 – 10.00 hrs

Session 1: What's happening in *H.pylori* and gut microbiota

Chair: Annemieke Smet, Christian Schulz

Room Okapi

08.00 – 08.20

01.01. Microbiome predicting the development of diseases in the population

Rinse Weersma, Groningen, the Netherlands

08.20 – 08.40

01.02. *Helicobacter pylori*: a stealth assassin

Richard Peek, Nashville, TN, USA

08.40 – 09.00

01.03. Breakthroughs and bottlenecks in microbiome research

Marie Joossens, Ghent, Belgium

09.00 – 09.20

01.04. Microbiota testing

Gianluca Ianiro, Rome, Italy

09.20 – 09.40

01.05. Impact of *H. pylori* eradication on gut microbiota

Jyhming Liou, Taipei, Taiwan

09.40 – 10.00

01.06. Gastric cancer and metabolomic profile

Jun-Young Seo, Seoul, Korea

10.00 – 10.30 hrs

Coffee Break

Atrium - Exhibition & Poster Area

10.30 – 12.30 hrs

Session 2: News on gastritis (Parallel Session)

Chair: Ari Ristimäki, Theodore Rokkas

Room Okapi

10.30 – 10.50

02.01. The evolution in gastritis classification - the REGAIN initiative

Massimo Rugge, Padua, Italy

10.50 – 11.10

02.02. *H. pylori* and its crosstalk to other gastric bacteria

Christian Schulz, Munich, Germany

11.10 – 11.30

02.03. The role of *H. pylori* and other microorganisms in autoimmune gastritis

Emanuele Di Laghi, Rome, Italy

11.30 – 11.50

02.04. New developments and directions in protection against gastric disease and cancer

Thomas Boren, Umea, Sweden

11.50 – 12.02

02.05. GastroPanel, Ghrelin and Leptin for non-invasive diagnosis of advanced gastric atrophy and intestinal Metaplasia

Lukas Macke, Munich, Germany

12.02 – 12.14

02.06. Real-time gastric juice analysis for detection of *Helicobacter pylori* infection: is it useful in daily clinical practice?

André Trigo, Coimbra, Portugal

12.14 – 12.26

02.07. Gastric pathology and *Helicobacter pylori vacA* genotype in Indigenous communities of Arctic Canada

Taylor Cromarty, Edmonton, Canada

10.30 – 12.30 hrs

Session 3: Microbiome mechanisms of action (Parallel Session)

Chair: Mirjana Rajilić-Stojanović, Lars Engstrand

Room Gorilla

10.30 – 10.50

03.01. Oncobiome

Jorge Galena Nino, Seattle, WA, USA

10.50 – 11.10

03.02. Using tools to make predictions

Tove Fall, Uppsala, Sweden

11.10 – 11.30

03.03. Microbial manipulation using model systems

Georgina Hold, Sydney, Australia

11.30 – 11.50

03.04. Dietary manipulation and its influence on microbial communities

Jeongseon Kim, Goyang-si, Korea

11.50 – 12.02

03.05. Mouth microbiome in children with autism: diagnosis-related differences and associations with behavioral difficulties

Margaux Evenepoel, Leuven, Belgium



12.02 – 12.14	03.06. KvarM lowers <i>Klebsiella pneumoniae</i> colonization in gastrointestinal tract without disruption of gut Microbiota Indre Karaliute, Kaunas, Lithuania	
12.14 – 12.26	03.07. Gut-vagina axis: Diet is associated with the vaginal microbiome Isabell Erreygers, Antwerp, Belgium	
12.30 – 14.00 hrs	Lunch & Poster Viewing	Atrium - Exhibition & Poster Area
14.00 – 16.00 hrs	Session 4: <i>Helicobacter pylori</i> Genome Project (HpGP) (Parallel Session) <i>Chair: Constanza Camargo, Juozas Kupcinskas</i>	Room Gorilla
14.00 – 14.10	04.01. Overview of HpGP Constanza Camargo, Rockville, MD, USA	
14.10 – 14.30	04.02. New insights into <i>Helicobacter pylori</i> population structure from the HpGP Kaisa Thorell, Gothenburg, Sweden	
14.30 – 14.50	04.03. Disclosing prophage genomics in the HpGP Filipa Vale, Lisbon, Portugal	
14.50 – 15.10	04.04. Identification and characterization of plasmids in <i>Helicobacter pylori</i> Roberto Torres, Shanghai, China	
15.10 – 15.30	04.05. The DNA methylases found in <i>Helicobacter pylori</i> strains Rick Morgan, Ipswich, MA, USA	
15.30 – 15.45	Q&A – participation of all HpGP investigators	
15.45 – 16.00	04.06. Comprehensive analysis of Integrating Conjugative Elements (ICEs) in <i>Helicobacter pylori</i> populations Wolfgang Fischer, Munich, Germany	
14.00 – 16.00 hrs	Session 5: Microbiota modulation for a healthy life (Parallel Session) <i>Chair: Georgina Hold, Marie Joossens</i>	Room Okapi
14.00 – 14.20	05.01. Diet and lifestyle Francesco Franceschi, Rome, Italy	
14.20 – 14.40	05.02. Pre- and Probiotics Mirjana Rajilić-Stojanović, Belgrade, Serbia	
14.40 – 15.00	05.03. Postbiotics Tom Van de Wiele, Ghent, Belgium	
15.00 – 15.20	05.04. Antibiotics Antonio Gasbarrini, Rome, Italy	
15.20 – 15.32	05.05. Composition of infant gut virome associated with maternal antibacterial therapy and type of delivery Egija Zelča, Riga, Latvia	
15.32 – 15.44	05.06. Long-term outcomes of oral antibiotics combination therapy for induction and maintenance of ulcerative colitis Toshifufi Ohkusa, Tokyo, Japan	
15.44 – 15.56	05.07. Perceptions and practices on clinical use of probiotics: a national survey of healthcare practitioners. Vasilios Papastergiou, Athens, Greece	
16.00 – 16.30 hrs	Coffee Break	Atrium - Exhibition & Poster Area

Friday

Saturday

Sponsored Symposium

Scientific Information

Acknowledgements

General Information



16.30 – 18.30 hrs

Session 6: Gastric Carcinogenesis (Parallel Session)

Chair: José Machado, Hwoon-Yong Jung

Room Okapi

16.30 – 16.50

06.01. A single *H. pylori* SNP controlling gastric cancer development

Steffen Backert, Erlangen, Germany

16.50 – 17.10

06.02. Cellular differentiation and neoplastic transformation of the gastric mucosa

Michael Sigal, Berlin, Germany

17.10 – 17.30

06.03. Gastric Cancer stem cells and metastasis

Christine Varon, Bordeaux, France

17.30 – 17.50

06.04. Impact of *H. pylori* infection on cancer immunotherapies

Dominique Velin, Lausanne, Switzerland

17.50 – 18.02

06.05. The humanized Leb mouse model with gastric cancer caused by life-long *H. pylori* infection

Artem Piddubnyi, Umea, Sweden

18.02 – 18.14

06.06. Study of *Lactobacillus* spp. effects on gastric carcinogenesis in the context of *Helicobacter pylori* Infection

Marine Jauvain, Bordeaux, France

18.14 – 18.26

06.07. Beneficial effect of sodium hydrosulfide, the hydrogen sulfide (H₂S) donor on *Helicobacter pylori* (Hp)-infected fibroblasts in vitro. A key to therapeutic inhibition of Hp-carcinogenesis?

Tomasz Brzozowski, Cracow, Poland

16.30 – 18.30 hrs

Session 7: Microbiota modulation by FMT (Parallel Session)

Chair: Gianluca Ianiro, Josbert Keller

Room Gorilla

16.30 – 16.50

07.01. FMT beyond *Clostridioides difficile*

Josbert Keller, Leiden, The Netherlands

16.50 – 17.10

07.02. FMT preparations: modification, lyophilization, or spores

Christian Hvas, Aarhus, Denmark

17.10 – 17.20

07.03. Safety of FMT and prospective registries

Maria Vehreschild, Frankfurt, Germany

17.20 – 17.35

07.04. Gastric microbiome modulation via FMT and immunity

Juan Du, Solna, Sweden

17.35 – 17.50

07.05. Factors underlying FMT efficacy

Harry Sokol, Paris, France

17.50 – 18.02

07.06. Double-blinded randomized controlled trial assessing the effect of triple faecal microbiota transplantation on hepatic steatosis in patients with non-alcoholic fatty liver disease

Bas Groenewegen, Leiden, The Netherlands

18.02 – 18.14

07.07. Comparative Efficacy of Encapsulated Fecal Microbiota Transplantation (FMT) and FMT via rectal enema for Irritable Bowel Syndrome (IBS): A Double-blind, Randomized, Placebo-controlled study (CAP-ENEMA FMT Trial)

Ratha-korn Vilaichone, Pathumthani, Thailand

18.14 – 18.26

07.08. Mycobial community in monozygotic and dizygotic twins

Konrad Lehr, Magdeburg, Germany

20.00 hrs

Networking Dinner



08.00 – 09.00 hrs	Session 8: Memorial Talks <i>Chair: Annemieke Smet</i>	Room Okapi
08.30 – 08.45	08.01. In Memoriam Michel Deltenre Rufin Ntounda, Brussels, Belgium	
08.45 – 09.00	08.02. In Memoriam Jose Pajares Javier Gisbert, Madrid, Spain	
09.00 – 11.00 hrs	Session 9: <i>H. pylori</i> management (Parallel Session) <i>Chair: Javier Gisbert, Colm O'Morain</i>	Room Okapi
09.00 – 09.20	09.01. The search for new drug targets and therapies Sinead Smith, Dublin, Ireland	
09.20 – 09.40	09.02. Lessons from the first 10 years from the European <i>H. pylori</i> registry Olga Nyssen, Madrid, Spain	
09.40 – 10.00	09.03. Integration of antimicrobial susceptibility testing David Graham, Houston, TX, USA	
10.00 – 10.20	09.04. Personalised <i>H. pylori</i> eradication treatment in Korea Seong Woo Jeon, Daegu, Korea	
10.20 – 10.32	09.05. Use of machine learning models to predict failure of <i>Helicobacter pylori</i> eradication therapy: A two country validation study Wai Leung, Hong Kong	
10.32 – 10.44	09.06. Susceptibility guided treatment of <i>Helicobacter pylori</i> infection: Serbian study experience Vladimir Milivojevic, Belgrade, Serbia	
10.44 – 10.56	09.07. Rifabutin-containing triple therapy versus bismuth quadruple therapy for <i>Helicobacter pylori</i> rescue treatment: a Multicenter, randomized controlled trial Hong Lu, Shanghai, China	
09.00 – 11.00 hrs	Session 10: Diseases & Microbiota (Parallel Session) <i>Chair: Francesco Franceschi, Jae Gyu Kim</i>	Room Gorilla
09.00 – 09.20	10.01. Gastric cancer and microbiota Emilie Bessède, Bordeaux, France	
09.20 – 09.45	10.02. Mycobiota in cancer Alexander Link, Magdeburg, Germany	
09.45 – 10.10	10.03. Leaky gut and circulating microbiome Juozas Kupcinskas, Kaunas, Lithuania	
10.10 – 10.26	10.05. CagA determines the microbiome changes and risk of colorectal cancer elicited by <i>Helicobacter pylori</i> infection Veronika Engelsberger, Munich, Germany	
10.26 – 10.42	10.06. Lactobacillus - a new key player in gastric carcinogenesis? Karla Vinasco, Kensington, Australia	
10.42 – 10.58	10.07. Urinary lithogenic profile and gut and urinary microbiota in patients with inflammatory bowel disease Irene Mignini, Rome, Italy	
11.00 – 11.30 hrs	Coffee Break	Atrium - Exhibition & Poster Area

Friday

Saturday

Sponsored Symposium

Scientific Information

Acknowledgements

General Information



11.30 – 12.30 hrs	<p>Session 11: Sponsored Symposium <i>Chair: Colm O'Morain</i></p> <p>See page 21 for details</p>	Room Okapi
12.30 – 14.30	<p>Lunch & Poster Viewing</p>	Atrium - Exhibition & Poster Area
14.30 – 15.30 hrs	<p>Session 12: Debates – Search for the truth <i>Chair: Yaron Niv, Jan Tack</i></p>	Room Okapi
14.30 – 14.50	<p><i>H.pylori</i> is a protective factor for oesophageal disease 14.30 – 14.40 12.01. Yes: Theodore Rokkas, Athens, Greece</p> <p>14.40 – 14.50 12.02. No: Jan Bornschein, Oxford, UK</p>	
14.50 – 15.10	<p>Acid suppression can cause gastric cancer 14.50 – 15.00 12.03. Yes: Chan Hyuk Park, Seoul, Korea</p> <p>15.00 – 15.10 12.04. No: Peter Malfertheiner, Munich, Germany</p>	
15.10 – 15.30	<p>Microbiota in IBS: Chicken or egg? 15.10 – 15.20 12.05. Sébastien Kindt, Brussels, Belgium</p> <p>15.20 – 15.30 12.06. Heiko de Schepper, Antwerp, Belgium</p>	
15.30 – 17.20 hrs	<p>Session 13: Updates in Helicobacter & Microbiota <i>Chair: Marcis Leja, Peter Malfertheiner</i></p>	Room Okapi
15.30 – 15.50	<p>13.01. Carcinogenesis and Lymphomagenesis - basic aspects Mario D'Elisos, Siena, Italy</p>	
15.50 – 16.10	<p>13.02. Carcinogenesis and Lymphomagenesis - clinical aspects Tamara Matysiak, Nantes, France</p>	
16.10 – 16.30	<p>13.03. Gut microbiota and functional bowel disease Jan Tack, Leuven, Belgium</p>	
16.30 – 16.50	<p>13.04. Microbiota in reproductive health Sarah Lebeer, Antwerp, Belgium</p>	
16.50 – 17.20	<p>Clinical applications of gut microbiota (TANDEM TALK) 16.50 – 17.05 13.05. Francis Chan, Hong Kong, China 17.05 – 17.20 13.06. Siew Ng, Hong Kong, China</p>	
17.20 – 18.30 hrs	<p>Session 14: Closing Session <i>Chair: Annemieke Smet, Francis Mégraud, José Machado</i></p>	Room Okapi
17.20 – 17.35	<p>14.01. Genome and methylome variation in <i>Helicobacter pylori</i> infection - Relevance for Disease, Antibiotic Resistance and Vaccine Development Sebastian Suerbaum, Munich, Germany</p>	
17.35 – 17.50	<p>14.02. A world without <i>H. pylori</i> Barry Marshall, Australia</p>	
17.50 – 18.00	<p>14.03. Awarding of the Marshall and Warren Medal 2023 to Yuri Glupczynski, Brussels, Belgium Francis Mégraud, France & Barry Marshall, Australia</p>	
18.00 – 18.10	<p>14.04. Presentation of the Journal & Awarding of the best paper Francesco Franceschi, Rome, Italy</p>	



- 18.10 – 18.20 **14.05. Awarding of the EHMSG Oral and Poster Awards**
José Machado, Porto, Portugal
- 18.20 – 18.30 **14.06. Presentation of the next meeting in Porto, Portugal**
José Machado, Porto, Portugal
- Closing Remarks

Friday

Saturday

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European Helicobacter & Microbiota Study Group



Poster Presentations

IMPORTANT NOTE: Posters are on display for two days. Posters need to be taken off by the author after the lunch break on Saturday, September 9, 2023. Posters not removed until then will be removed by the staff. Posters will be discarded, and neither kept, stored nor sent to the authors after the meeting. Please note that the organisers cannot assume any liability for loss, theft or damage of posters displayed in the poster area.

Format

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

Mounting & Removal

Mounting of posters is possible on Friday, September 8, 2023 from 8.00 - 10.00 hrs.
Removal on Saturday, September 9, 2023, from 14.30 - 15.30 hrs.

Poster Presenters: you will find your **poster board number** in the author index of the online abstract book, as well as in the notification mail we have sent to you.

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

Friday, September 8, 2023 | 12.30 - 14.00 hrs

Atrium - Exhibition & Poster Area

Poster Session 1: Helicobacter 1 | Poster Numbers P01.01 - P01.11
Chair: Javier Gisbert & Véronique Yvette Miendje Deyi

Poster Session 2: Helicobacter 2 | Poster Numbers P02.01 - P02.13
Chair: Sébastien Kindt & Ruffin Ntounda

Poster Session 3: Helicobacter 3 | Poster Numbers P03.01 - P03.12
Chair: Dulciene Queiroz & Colm O'Morain

Poster Session 4: Helicobacter 4 | Poster Numbers P04.01 - P04.11
Chair: Theodore Rokkas & Peter Malfertheiner

Poster Session 5: Helicobacter 5 | Poster Numbers P05.01 - P05.11
Chair: Juozas Kupcinskas & Jan Bornschein

Poster Session 6: Helicobacter 6 | Poster Numbers P06.01 - P06.11
Chair: Emilie Bessede & Christian Schulz

Poster Session 7: Cancer 1 | Poster Numbers P07.01 - P07.12
Chair: Ari Ristimaki & Herbert Tilg

Poster Session 8: Cancer 2 | Poster Numbers P08.01 - P08.11
Chair: José Machado & Steffen Backert

Poster Session 9: Cancer 3 | Poster Numbers P09.01 - P09.11
Chair: Marcis Leja & Constanza Camargo

Friday

Saturday

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Poster Presentations

Saturday, September 9, 2023 | 12.30 - 14.30 hrs

Atrium - Exhibition & Poster Area

Poster Session 10: Helicobacter 7 | Poster Numbers P10.01 - P01.15
Chair: Marie Joossens & Nele Brusselaers

Poster Session 11: Helicobacter 8 | Poster Numbers P11.01 - P11.15
Chair: Josbert Keller & Yaron Niv

Poster Session 12: Helicobacter 9 | Poster Numbers P12.01 - P12.15
Chair: Massimo Rugge & Thomas Boren

Poster Session 13: Helicobacter 10 | Poster Numbers P13.01 - P13.14
Chair: Alexander Link & Sinead Smith

Poster Session 14: Helicobacter 11 | Poster Numbers P14.01 - P14.16
Chair: David Graham & Jan Tack

Poster Session 15: Microbiota 1 | Poster Numbers P15.01 - P15.10
Chair: Gianluca Ianiro & Mirjana Rajilić-Stojanović

Poster Session 16: Microbiota 2 | Poster Numbers P16.01 - P16.09
Chair: Georgina Hold & Mario D'Elíos

Poster Session 17: Microbiota 3 | Poster Numbers P17.01 - P17.09
Chair: Benedicte De Winter & Francesco Franceschi



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Oral Presentations

Friday

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.

Saturday

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 room assistant in your session room before the beginning of the session.

Projection and Technical Settings

All rooms are equipped with a data projector for Power Point presentation only.

Presentation Format is 16:9

Sponsored Symposium

Handing in Your Presentation:

Preferrably your PPT presentation is sent via WeTransfer or Dropbox (or similar) link to the conference office before the conference.

It must in any case be handed over to the technician in the **Speakers' ready room "Stanley Room"** in a break **at least 2 hours before your talk** either via USB-Memory Stick or USB-External Drives (30 minutes for talks in the first morning sessions).

Scientific Information

General hints and tips

Like all of us, you will have sat through many conference talks, some good and some bad. We have all been to talks which failed to communicate their message because the speaker spoke impossibly fast, perhaps in a very indistinct way, or flashed through large numbers of slides so crammed with detail that nobody could follow them.

So please:

- Make yourself known to the chairpersons and/or the room assistant in your session room before the beginning of the session.
- Remember that the vast majority of the audience are not native English speakers - speak clearly (whether or not English is your native tongue) and not too fast
- Plan an average of no more than 1 slide per minute, in most cases
- Keep your Powerpoints simple. In text slides, use no more than ten lines per slide, with ample space between the lines, and no more than seven words per line in suitably large lettering
- Leave sufficient space between the text and the edge of the slide/screen.
Some data projectors may not display the very border of the slide/presentation.

Acknowledgements

General Information



Saturday, September 9, 2023

11.30 - 12.30 hrs Industry Sponsored Satellite Symposium

Room Okapi

Chair: Colm O'Morain, Dublin, Ireland

Latin American *H. pylori* register, an OPGE/AEG multicenter collaborative initiative
Prof. Dr. Diego Reyes Placencia, Chile

Helicobacter Pylori research in Africa : A Hospital-based Survey of Facilities in Africa
Prof. Dr. Stella Smith, Lagos, Nigeria

Helicobacter pylori diagnostic tests used in Europe: results of over 34,000 patients from the European Registry on *Helicobacter pylori* Management (Hp-EuReg)
Prof. Dr. Laimas Jonaitis, Kaunas, Lithuania



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COMPANY OF RICHEN GROUP



Deadline for presentation of applications: September 30, 2023!
Read more: <https://www.workshop.ehmsg.org/richen-competition-information>

Friday

Saturday

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Scientific Information

Acknowledgements

General Information

The organisers gratefully acknowledge the support of the following institutions and companies for the EHMSG 2023 Workshop:

Platinum Sponsor:



RICHEN FORCE HOLDINGS

Gold Sponsor:



Exhibitors:

BHMSG



Other Sponsors:



Grants:



www.ueg.eu





Registration Details

Registration Fees in EURO

Payment received	until July 1, 2023	July 2 - August 20, 2023	On Site
Regular Participant	350,-	450,-	550,-
Young Scientists <35yrs	180,-	230,-	280,-
Students <30yrs	110,-	150,-	180,-
Industry Representatives	480,-	580,-	680,-
Members of the Paediatric Task Force	250,-	280,-	310,-
Combined PGC & EHMSG - Regular	480,-	580,-	680,-
Combined PGC & EHMSG - Young Scientists	280,-	330,-	380,-
Combined PGC & EHMSG - Students	220,-	250,-	280,-
Combined PGC & EHMSG - Industry	580,-	680,-	780,-
Combined PGC & EHMSG - Paediatric Task Force	350,-	380,-	390,-
Postgraduate Course ONLY	160,-	180,-	410,-
Welcome Reception Thursday, September 7, 2023 (Event fully booked)*	---	---	---
Conference Dinner Friday, September 8, 2023**	75,-	75,-	75,-**
Lunch Ticket (per day)***	25,-	25,-	not available on site

* no fee but registration was mandatory. (Event fully booked)

** Purchasing tickets on site is subject to availability

*** Lunch tickets had to be pre-ordered and cannot be purchased on site

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

Please note

The early and regular registration fees were only applicable, **if they have been credited to the congress account before the respective deadlines**. Registering before July 1, 2023 resp. August 20, 2023 without performing an actual payment was not sufficient to benefit from the respective reductions.

What is covered by the registration fee?

- Admission to all scientific sessions and the exhibition
- Admission to the Welcome Reception - Limited attendance. Ticket mandatory, subject to availability
- Programme book
- Access to the Online Abstract Book
- Refreshments during coffee breaks

General Information in alphabetical order.

More information can be found on the EHMSG 2023 website at www.workshop.ehmsg.org - see "General Information"

Access the Conference Venue

The Flanders Meeting and Convention Center Antwerp (FMCCA) is located in the heart of the city of Antwerp, just a ten minute walk from the historic city centre. Its location next to Antwerp Central Station guarantees easy accessibility by public transport, with train, tram, and bus stops within walking distance. A good number of car parks are also available in the vicinity. See www.workshop.ehmsg.org/venue for more information

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:

- Until July 5, 2023: 50% refund - From July, 6, 2023: 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 after completion of a post-conference online survey

Cash Dispensers

ATMs are available close to the conference venue. Local currency (EUR) can also be obtained from banks and exchange bureaus.

CME Credits

The “XXXVIth International Workshop on Helicobacter and Microbiota in Inflammation and Cancer” was granted a total of **13 European CME credits** (ECMEC) the Postgraduate Course on “Where basic scientists meet clinicians: novel insights in microbiota interactions and their clinical utility” was granted a total of **7 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 Thursday (EHMSG Postgraduate Course), Friday and Saturday (EHMSG Workshop) had to be pre-ordered and **cannot** be purchased on site. Lunch tickets are not refundable.

Conference Venue

XXXVIth Workshop of the EHMSG:

Flanders Meeting & Convention Center Antwerp | Entrance Elisabeth Center Antwerp
Koningin Astridplein 26 | 2018 Antwerp | Belgium

Cover Picture

Royalty-free stock photo ID: 1797747562

Currency

The official currency of Belgium is the Euro (EUR).

1 EUR = 0,85 GBP = 1,08 USD = 158 JPY = 0,95 CHF = 11,91 SEK = 7,44 DKK = 1,69 AUD = 1,47 CAD = 1,45 KRW
as per date of printing

Electricity Supply

For Belgium there are two associated plug types, types C and E. Plug type C is the plug which has two round pins and plug type E is the plug which has two round pins and a hole for the socket's male earthing pin. Belgium operates on a 230V supply voltage and 50Hz. See: <https://www.power-plugs-sockets.com/belgium/>

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 Belgium offers the cheapest tariffs for EU and non-EU contracts.

Internet

You will find Internet cafés throughout the city.

Free WIFI is available at the conference venue.

Language

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



Liability

In registering for the EHMSG 2023 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 Desk at the Conference venue

EHMSG Postgraduate Course

Thursday, September 7, 2023: 07.30 – 18.00 hrs

EHMSG Workshop

Friday, September 8, 2023: 07.30 – 18.30 hrs

Saturday, September 9, 2023: 08.00 – 18.00 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, will be removed and will not be kept nor mailed to the author after the meeting. See detailed information in the “scientific information” section on page 18 of the program.

Safety - Crime

Visitor safety is generally adequate, like in any other major European city. You can walk everywhere using common sense. Pick pocketing 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 2023 Workshop is a “No-smoking-Conference”.

Social Media Policy

EHMSG supports the use of social media around the EHMSG conference to network with your colleagues and friends attending the meeting. Please do however respect the EHMSG social media guidelines, including the following:

Dos:

- You may blog or tweet about content of the talks, unless the speaker explicitly asks you not to share either the entire talk or specific details or slides.
- Communicate in a respectful and considerate way, and show your criticism in a fair, constructive and professional manner.
- Do remember that people who will read your tweets are not necessarily professionals, but also patients, policymakers, members of the media, and the general public.

Don'ts:

- The use of photography, video, or other type of recording devices in oral sessions (plenary, educational, concurrent sessions and symposia) and poster sessions at the EHMSG conference is strictly prohibited. Hence posting pictures or videos of these sessions on any social media platform, blogs, or websites, etc., is also strictly prohibited.
- Do not capture or re-distribute data presented at the EHMSG conference as this may jeopardize the subsequent publication of the data in a scientific journal. Powerpoint presentations must not be photographed under any circumstances. Do respect journal embargo policies and the work of your colleagues!
- Refrain from engaging in personal attacks or showing rude behaviour.
- Offensive and disrespectful behaviour, sales-oriented, self-promoting, or otherwise inappropriate comments will not be tolerated.
- Participants should not post copyrighted or trademarked material or material protected by other intellectual property rights.



Staff

Should you have any questions, the congress staff will be pleased to help you.

Taxis, Public Transportation, Bike Rental

Please see https://visit.antwerpen.be/en/info/taxi_en

Friday

Saturday

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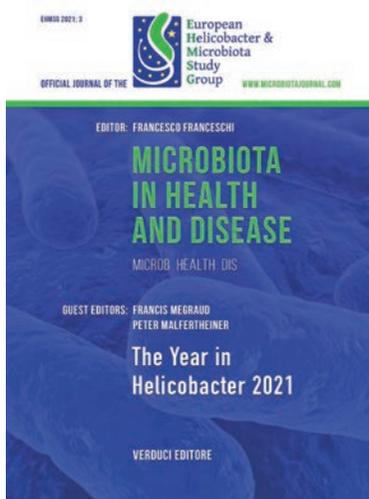
Scientific Information

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Microbiota in Health and Disease

The official journal of the European Helicobacter and Microbiota Study Group – EHMSG, is focused on all issues related to the role of microbiota in maintaining health or promoting diseases, not only confined to the GI tract. Its scope ranges from publishing papers on novelties in basic science, translational research, clinical trials and new therapeutic options, in order to supply international researchers with a valuable platform of discussion of challenges and opportunities in the field of microbiota.



You are kindly invited to submit your valuable paper completely FREE OF CHARGE

For submissions please visit the website: <https://www.microbiotajournal.com>



Networking Events

Thursday, September 7, 2023, 19.00 hrs

Networking Event hosted by the City of Antwerp taking place at the Antwerp City Hall
Free for registered participants, however registration for this event was mandatory.
Tickets will be collected onsite
Event Fully Booked



Friday

Saturday

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Scientific Information

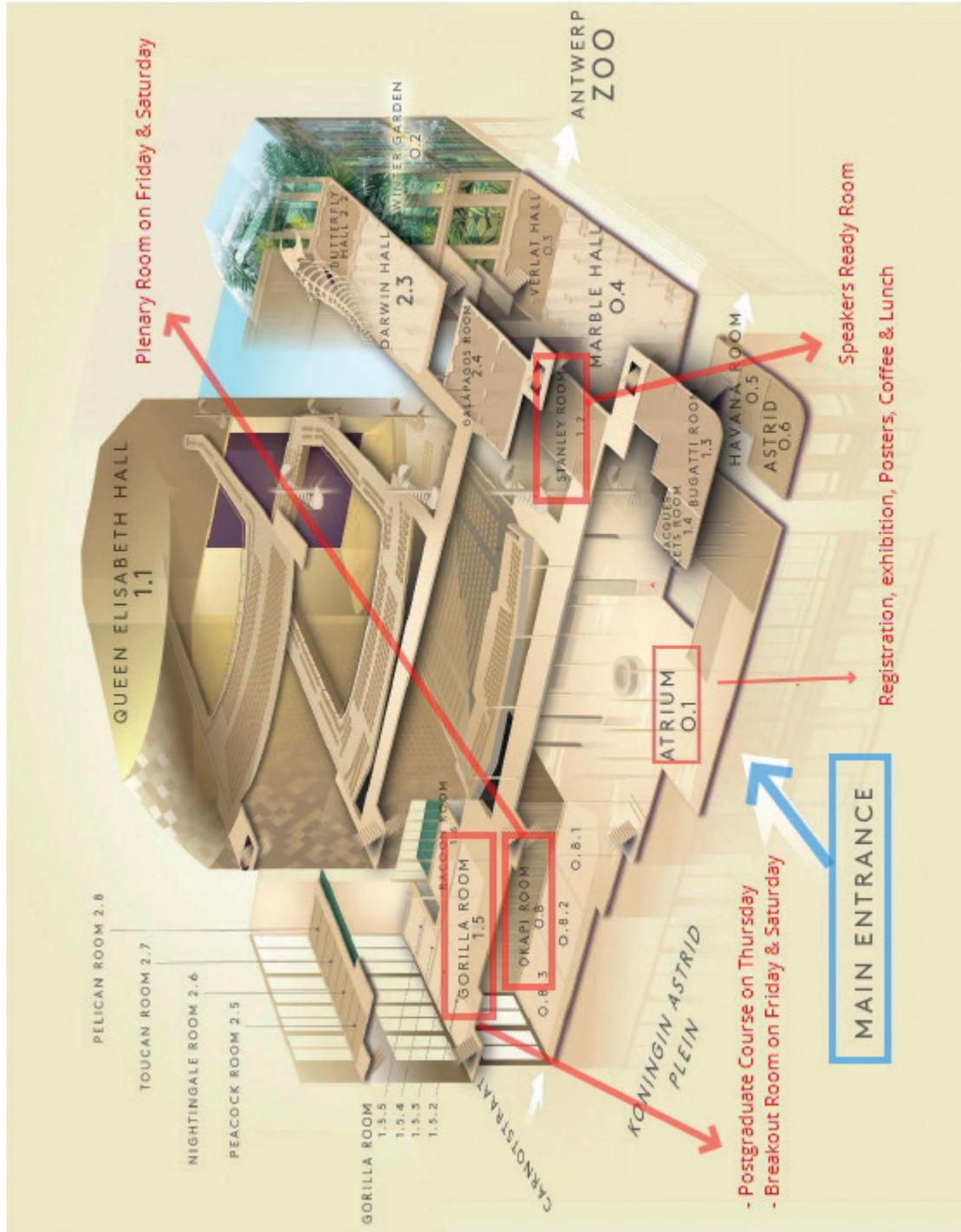
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Friday, September 8, 2023, 20.00 hrs

EHMSG Networking Evening at the HORTA Art Nouveau Room
A ticket is required and will be checked at the entrance - EUR 75,- per ticket
A few tickets are still available for onsite purchase







HGIR Force 200 13C infrared spectrometer

- Compact 2-channel cubic system (1 patients)
- Management system through simple software
- self check, calibration, patient archive, daily work list
- Auto check for voltage evaluation on 12c / 13c
- Response within 3 minutes
- Report with DOB + outcome (positive / negative)
- Does not require dedicated personnel
- No limit of daily test execution
- Automatic air circuit cleaning with each test
- Reading through aluminum bags
- Latest generation infrared reading system (NDIR)

Specialists in diagnosis of Helicobacter Pylori infection



IR Force 300 13C infrared spectrometer

- Compact 10-channel cubic system (5 patients)
- Management system through simple and intuitive software
- The software manages the number of channels to be used,
- self check, calibration, patient archive, daily work list
- output for PC connection
- Auto check for voltage evaluation on 12c / 13c
- Response within 3 minutes
- Report with DOB + outcome (positive / negative)
- Report in A4 format
- Does not require dedicated personnel
- No limit of daily test execution
- Automatic air circuit cleaning with each test
- Reading through aluminum bags
- Latest generation infrared reading system (NDIR)

instruments designed to measure the 13C change in exhaled respiratory CO₂ gas by infrared spectroscopy analysis to determine infection of Helicobacter pylori.

Helicobacter Test INFAI®

One of the most used
 ^{13}C -urea breath tests for the diagnosis
of Hp-infections worldwide



www.infai1.com

- Serialization according the EU's Falsified Medicines Directive
- More than 7.0 million Hp Test INFAI performed worldwide
- Registered in more than 40 countries worldwide
- First approved Hp test for children from the ages of 3 to 11
- Modified Hp test for patients taking PPIs (REFEX)
- Modified Hp test for patients with atrophic gastritis
- Cost-effective CliniPac Basic (50 Patients) for hospital and GPs