

VIII International Symposium of *Helicobacter pylori* infection and Gastric Cancer

Belo Horizonte, Brazil, April 12-14, 2018
Mercure Hotel Lourdes, Auditorio Centauro
Meeting Chair: Luiz Gonzaga Vaz Coelho

Thursday April 12

OPENING	
8:00 am	Welcome by Luiz Gonzaga Vaz Coelho and James R. Marinho, Brazil
GASTRIC CANCER PATHOGENESIS	
Chairs: Luiz Gonzaga Vaz Coelho, Brazil and M. Constanza Camargo, USA	
8:15 am	M. Blanca Piazuolo, USA Correa's gastric precancerous cascade
8:40 am	Richard Peek, USA <i>H. pylori</i> factors that promote the development of gastric cancer
9:05 am	Peter Malfertheiner, Germany Autoimmune gastritis
9:30 am	Charles Rabkin, USA Molecular classification of gastric cancer
9:55 am	Shoichiro Tsugane, Japan <i>H. pylori</i> infection and gastric cancer: evidence from cohort and case-control studies in Japan and Brazil
10:20 am	Break
MECHANISMS OF <i>H. pylori</i> VIRULENCE AND MICROBIOME	
Chairs: Keith Wilson, USA and Richard Peek, USA	
10:45 am	Steffen Backert, Germany Epithelial barrier disruption and gastric cancer signaling by <i>H. pylori</i>
11:10 am	Michael Naumann, Germany <i>H. pylori</i> exploited cell survival paves the way to persistency
11:35 am	Andrew Quest, Chile <i>H. pylori</i> -induced expression of HIF1a: implications in bacterial virulence
12:00 am	Guillermo Perez-Perez, USA Non- <i>H. pylori</i> microbiome and gastric premalignant lesions
12:25 pm	Emmanuel Dias-Neto, Brazil Microbiome analysis of gastric cancer patients in Brazil
12:50 pm	Poster session - Lunch on your own
ONGOING CLINICAL/EPIDEMIOLOGICAL STUDIES IN LATIN AMERICAN POPULATIONS	
Chairs: Shoichiro Tsugane, Japan and Tamara Matysiak, France	
2:30 pm	Christian Abnet, USA Genome-wide association study of gastric cancer: findings in Asians/Caucasians and ongoing efforts in Hispanic/Latin American populations
2:55 pm	Keith Wilson, USA Targeted chemoprevention of gastric carcinogenesis in high risk populations in Colombia
3:20 pm	M. Constanza Camargo, USA Gastric Cancer Precursor Lesions (GCPL) study in Chile

3:45 pm	Alvaro Bedoya, Colombia URKUNINA-5000 in Colombia
4:10 pm	Douglas Morgan, USA Central America-4 (Honduras, Nicaragua, El Salvador and Guatemala)
4:35 pm	Catterina Ferreccio, Chile ENIGMA study in Chile
5:00 pm	Lucia Braga, Brazil Risk factors and epidemiology of gastric cancer in Ceará, Brazil
5:25 pm	Erika Ruiz, Mexico The Latin American and European countries network for precision medicine approach in gastric cancer (LEGACy)

Friday April 13

UPPER GASTROINTESTINAL TRACT ENDOSCOPY	
Chairs: Douglas Morgan, USA and Arnoldo Riquelme, Chile	
8:00 am	Sharmila Anandasabapathy, USA Low-cost endoscopy technologies
8:25 am	Vitor Arantes, Brazil Endoscopic treatment of early gastric cancer: experience in a referral center in Brazil
8:50 am	Robinson, Gonzalez, Chile Endoscopy campaigns in high-risk areas of Chile
9:15 am	Adriane Pelosof, Brazil Overcoming pitfalls in the endoscopic diagnosis of malignant and premalignant lesions
9:40 am	Open discussion on endoscopy (all speakers and participants)
10:40 am	Break
<i>H. pylori</i> GENOMICS	
Chairs: Steffen Backert, Germany and Eduardo Tarazona, Peru/Brazil	
11:00 am	Andres Gutierrez, Colombia Emergence of a new phylogenetic group of <i>H. pylori</i> in Latin American mestizos
11:25 am	Ichizo Kobayashi, Japan/France <i>H. pylori</i> genome and methylome evolution
11:50 am	Dulciene Queiroz, Brazil Host genetic structure and ancestral origin of <i>H. pylori</i> strains as predictors of gastric cancer in an admixed population
POTENTIAL RESEARCH INITIATIVES IN LATIN AMERICA	
Coordinator: Alejandro Corvalan, Chile - Introduction (rearrangement of seats)	
12:15 pm	1. Survey of <i>H. pylori</i> resistance to antibiotics, facilitated by Giuliano Bernal, Chile
	2. Registry on the management of <i>H. pylori</i> infection, facilitated by Arnoldo Riquelme and Robinson Gonzalez, Chile
	3. Common protocol to collect biospecimens and data from patients with preneoplastic and neoplastic lesions, facilitated by Catterina Ferreccio, Chile
	4. Molecular characterization of gastric tumors using formalin-fixed paraffin-embedded, facilitated by Emmanuel Dias-Neto
	5. Burden and characterization of preneoplastic and neoplastic lesions using clinical records, facilitated by Elisa Hernandez, Guatemala

	6. Familial gastric cancer, facilitated by Paulo Assumpção, Brazil
	7. The Epstein-Barr virus-positive gastric cancer, facilitated by Alejandro Corvalan, Chile
	8. Pathophysiology studies of <i>H. pylori</i> isolates from Latin America, facilitated by Andrew Quest, Chile
	9. Gastric and gut microbiome studies, facilitated Francisco Avilés
	10. Epidemiology of <i>H. pylori</i> in Latin America, led facilitated Maria Paula Curado, Brazil
1:15 pm	Poster session - Lunch on your own
GASTRIC CANCER PRECURSORS	
Chairs: Francis Megraud, France and Guillermo Perez, USA	
2:45 pm	Marcelo Ribeiro, Brazil The role of SOX proteins in gastric carcinogenesis
3:10 pm	Alejandro Corvalan, Chile Pepsinogens and gastric atrophy in Latin American Populations
3:35 pm	Elisa Hernandez, Guatemala Prevalence of gastric preneoplastic lesions in Guatemala
4:00 pm	Carmen Villagrán de Tercero, Guatemala Urokinase plasminogen activator and gastric cancer
4:25 pm	Paulo Assumpção, Brazil The adjacent sample trap: implications in gastric cancer research
4:50 pm	Tamara Matysiak, France Nerves and gastric cancer
5:15 pm	Arnoldo Riquelme, Chile The Chilean Consensus on collection, processing, evaluation and reporting of gastric biopsies

Saturday April 14

HIGHLY RATED ABSTRACTS	
Chairs: Dulciene Queiroz, Brazil and Marcis Leja, Latvia	
8:00 am	Valli De Re, Italy Metabolite concentrations and gastric cancer risk
8:20 am	Patricio Gonzalez, Chile Sequencing of the Cag and CaxA genes by next generation sequencing directly from gastric mucosa DNA
8:40 am	Wendy Malespín-Bendanã, Costa Rica <i>Helicobacter pylori</i> infection induces abnormal expression of proangiogenic genes and microRNAs in gastric cell lines
9:00 am	Andrea Ribeiro-dos-Santos, Brazil Expression profile of piRNAs in gastric cancer
9:20 am	Juliana Rejane da Silva Roque, Brazil Epidemiological study of <i>Helicobacter pylori</i> infection in children up to five years of age in an indigenous community of São Paulo city
<i>H. pylori</i> ERADICATION	
Chairs: Christian Abnet, USA and Charles Rabkin, USA	

9:40 am	Francis Mégraud, France <i>H. pylori</i> infection and antibiotic resistance, a WHO priority
10:05 am	Maria Paula Curado, Brazil <i>H. pylori</i> eradication and gastric cancer prevention: state of the art
10:30 am	Luiz Gonzaga Coelho, Brazil Challenges to <i>H. pylori</i> treatment in Latin America
10:55 am	Marcis Leja, Latvia Mass eradication of <i>H. pylori</i> infection – what does it mean in the terms of antibiotic consumption?
11:20 am	Open discussion on <i>H. pylori</i> eradication and gastric cancer prevention (all speakers and participants)
CLOSING	
12:20 pm	Elisa Hernandez, Guatemala First announcement of the IX International Symposium of <i>H. pylori</i> infection and Gastric Cancer in Guatemala, 2020