

## 第 29 回 札幌国際がんシンポジウム

**テーマ**

“Helicobacter pylori and Gastric Cancer”

**日時**

2009 年 7 月 13 日～14 日

**会場**

北海道大学 学術交流館（札幌市北区）

**代表世話人**

畠山 昌則（北海道大学）

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### The 29th Sapporo International Cancer Symposium

**Theme:**

“Helicobacter pylori and Gastric Cancer”

**Date:**

July 13-14, 2009

**Venue:**

Hokkaido University Conference Hall, Sapporo, Japan

**Organizer (\*Chairperson):**

Masanori Hatakeyama\*

Masahiro Asaka

Takeshi Azuma

Masae Tatematsu

Tsutomu Chiba

Hideaki Higashi

Naoko Kamiya

## **Program**

### **Opening Remarks**

Masanori Hatakeyama

### **Session 1. Gastric cancer – Heterogeneity**

Helicobacter pylori and Gastric cancer –in vivo–

Masae Tatematsu (Aichi Cancer Center, Japan)

Epstein–Barr virus: Another infectious agent causing gastric cancer

Masashi Fukayama (University of Tokyo, Japan)

The initiation of diffuse gastric cancer

Parry Guilford (University of Otago, New Zealand)

### **Session 2. Gastric cancer – Stemness**

Identification and characterization of gastric cancer stem cells using the cell surface marker CD44

Shigeo Takaishi (Columbia University Medical Center, USA)

Roles of RUNX3 in gastric cancer

Yoshiaki Ito (National University of Singapore, Singapore)

### **Session 3. Gastric cancer – Inflammation**

Development of gastric carcinoma from intestinal metaplasia in Cdx2–transgenic mice

Hiroyuki Mutoh (Jichi Medical University, Japan)

Induction of aberrant DNA methylation by inflammation caused by H. pylori infection

Toshikazu Ushijima (National Cancer Center, Japan)

IL–11/STAT3 drives gastric tumorigenesis in the gp130757FF mouse

Andrew S. Giraud (Murdoch Childrens Research Institute, Australia)

Prostaglandin E2 signaling and inflammation in gastric tumorigenesis  
Masanobu Oshima (Kanazawa University, Japan)

Role of AID in H. pylori-induced gastric cancer development  
Tsutomu Chiba (Kyoto University, Japan)

Role of host genetics in pathogenesis of gastric cancer  
Emad El-Omar (Aberdeen University, UK)

**Session 4. Gastric cancer – Helicobacter pylori virulence factors**

The vacuolating cytotoxin, VacA, and human gastric cancer  
John C. Atherton (University of Nottingham, UK)

Modulation of Wnt-signaling in Helicobacter pylori infection  
Michael Naumann (Otto-von-Guericke University, Germany)

The roles of new virulence factors of Helicobacter pylori: OipA and DupA  
Yoshio Yamaoka (Oita University, Japan)

Helicobacter pylori virulence factors CagA and VacA and gastric cancer induction  
Rainer Haas (Max von Pettenkofer Institute, Germany)

Helicobacter pylori virulence constituents and gastric carcinogenesis  
Richard M. Peek, Jr. (Vanderbilt University, USA)

**Session 5. Gastric cancer – CagA**

Life on the cell junctions. How Helicobacter pylori uses CagA to turn the cell surface into a replicative niche

Manuel R. Amieva (Stanford University, USA)

The *Helicobacter pylori* CagA protein causes epithelial disruption by over-activation of RhoA and Nonmuscle Myosin II

Karen Guillemin (University of Oregon, USA)

Role of *Helicobacter pylori* CagL and CagA proteins in signal transduction

Steffen Backert (University College Dublin, Ireland)

Bifunctional role of *Helicobacter pylori* CagA as an oncoprotein

Masanori Hatakeyama (University of Tokyo, Japan)

**Session 6.** Gastric cancer – Clinical aspects

Preventive effect of *H. pylori* eradication for development of gastric cancer

Mototsugu Kato (Hokkaido University Hospital, Japan)

*Helicobacter pylori* CagA protein variation associated with gastric cancer

Takeshi Azuma (Kobe University, Japan)