

Mark Kidd, Ph.D.
Research Scientist
Department of Surgery
Yale University School of Medicine

Citizenship: South Africa
US Permanent Resident

University Address: Yale University School of Medicine
Department of Surgery
BML232
310 Cedar Street
New Haven, CT 06520, USA
Phone: (203) 785-6032
Fax: (203) 737-4067
Email: mark.kidd@yale.edu

University Degrees: Ph.D. (Medicine) 2000
Department of Medicine, University of Cape Town, Cape Town, South Africa
B.Sc. (Med.)(Hons)¹ Medical Biochemistry 1992
Department of Medical Biochemistry, University of Cape Town, Cape Town,
South Africa
University of Cape Town
B.Sc. (Biochemistry and Microbiology) 1990
University of Cape Town

Academic Awards:

Postgraduate: GRG/AGA Travel Fellow – Digestive Disease Week 2008
Distinguished Abstract Plenary Oral Presentation
– Digestive Disease Week 2008
Poster of Distinction DDW² New Orleans, Chicago 2004, 2005
Award Winning Scientific Presentation SAGES³: 1994, 1998-2000
Bernard Pimstone Prize for Laboratory Investigation⁴ 1998

Undergraduate: Dean's Merit Award (UCT) 1988-1990

High School: First Prize - Fine Art (Matriculand) 1986

Other: Scientific image (Triple color immunohistochemistry - cardiac valve)
Anlyan Center Permanent Exhibition, Yale University 2006

¹ B.Sc. (Med) (Hons). This is a one-year post-graduate degree that provides a bridge between a B.Sc. and either a M.Sc. or Ph.D. program.

² Digestive Disease Week Meeting

³ South African Gastroenterology Society

⁴ Department of Medicine, University of Cape Town

Research Experience:

<i>Research Scientist & Director, GI Surgical Research Group</i>	
Department of Surgery	
Yale University School of Medicine	7/2009-
<i>Associate Research Scientist & Director, GI Surgical Research Group</i>	
Department of Surgery	
Yale University School of Medicine	4/2005-6/2009
<i>Post-doctoral Fellow & Director, GI Surgical Research Group</i>	
Department of Surgery	
Yale University School of Medicine	4/2001-4/2005
<i>Research Fellow, GI Clinic</i>	
University of Cape Town	1/1998-3/2001
<i>Research Associate, Department of Surgery</i>	
Yale University School of Medicine	9/1994-12/1997
<i>Research Assistant, Department of Gastroenterology</i>	
University of Cape Town	4/1991-8/1994

Grants & Fellowships:

Current:

NIH 1R01DK080871-01A2	PI	3/1/09-2/28/13
Mechanisms of abnormal enterochromaffin cell secretion in Crohn's disease		
NIH R01CA115825-03	Co-Investigator	9/25/06-7/31/10
Molecular Strategies to define Carcinoids and rationalize surgical intervention		
NIH 1R01CA114421-01	Consultant	7/23/07-5/31/12
Case Control Study of Pancreas Cancer in Shanghai, China		

Completed:

NIH 5R01CA 098870-02	Consultant	9/1/03-7/31/09
Case-Control Study of Pancreas Cancer Etiologic Factors		
Mjåland Foundation	Co-PI	4/1/08-12/31/08
Development of models and strategies for cell specific inhibition of Neuroendocrine Tumor/Carcinoid proliferation		
NIH R01 CA 097050-01	Post-doc	8/22/03-7/31/06
Molecular Strategies of Gastric Carcinoid Surgery		
OHSE Research Award ⁵		2002; 2003; 2004
SAGES Abbott Research Scholarship		2000
Claude Harris Leon Foundation Fellowship ⁶		1999-2000

⁵ Department of Surgery, Yale University School of Medicine

A.S. Little Fellowship⁷ 1998

Memberships:

American Gastroenterological Association 2005-present
 American Physiological Society 2008-present

Reviewer:

American Journal of Gastroenterology
 American Journal of Physiology
 BioMed Central (Medical Genetics)
 European Journal of Endocrinology
 Gastroenterology
 Journal of Molecular Endocrinology
 Journal of Pharmacy and Pharmacology
 Physiological Genomics
 Scandinavian Journal of Rheumatology

Professional Service

Council member – Hormones and Signaling Receptors (AGA) 2010-present

NIH Grant Reviewer:

2009/10 ZRG1 OBT-A (58) RFA OD-09-003 Challenge Grants Panel #6
 2009/10 ZRG1 BDA-A (58) RFA OD09-003 Challenge Grant Panel #10

Teaching and Mentoring:

Yale University College courses:

CSTD370 (S09): Medicine Molecules & Millennium

Yale University Surgical Residents, Medical Students and Undergraduates (n = 6):

1. <i>Kevin Lye</i> MD, Yale Surgical Resident	(PGYII)	2003-2004
2. <i>Michael Shapiro</i> BS, Yale Medical student	(YSMIV)	2005
The role of connective tissue growth factor (CTGF) in fibrosis associated with intestinal neuroendocrine tumors. (Medical School: <i>Honors thesis</i>)		
3. <i>Michelle Zikusoka</i> BS, Yale Medical student	(YSMIV)	2006
MTA1 and small intestinal carcinoid malignancy. (Department of Surgery: <i>Honors thesis</i>)		
4. <i>Igor Latic</i> BA, Yale Medical student	(YSMIV)	2006
Differentiation of appendiceal carcinoids by marker gene expression.		
5. <i>Alex Chin</i> , Yale undergraduate (2009)	(MB&B project)	2008

⁶ Pre-doctoral Fellowship, University of Cape Town

⁷ Pre-doctoral Fellowship, Department of Medicine, University of Cape Town

Effect of luminal strain on normal and neoplastic neuroendocrine cells.

6. *Andrew Timberlake*, Yale undergraduate (2011) (MB&B project) 2009

Defining expression of neoplastic neuroendocrine marker genes in the blood.

7. *Alex Kazberouk*, Yale undergraduate (2010) (MDCB495 project) 2010

Mechanisms of Crosstalk between Intestinal EC and L Cells: The Roles of Serotonin and Glucagon-like Peptide 1.

Doctoral (PhD) students supervised (n = 1):

1. *Oystein Brenna* MD, Gastroenterology, Norwegian Technical University 2010-2014

The use of SERT knock-out rats as an animal model to study enterochromaffin cell function with the goal to delineate possible therapeutic targets for gastrointestinal diseases characterized by hyperserotoninemia.

Postdoctoral fellows mentored (n = 6)

1. *Geeta Eick*, PhD, Molecular and Tumor Biology, Cape Town University 2004-2007

2. *Bjorn Gustafsson* MD, PhD, Gastroenterology, Norwegian Technical University 2007-2008

3. *Oyvind Hauso* MD, Gastroenterology, Norwegian Technical University 2008

4. *Erik Solligard* MD, Anesthesiology, Norwegian Technical University 2009-2010

5. *Bernhard Svedja* MD, Tumor Biology, Medical University of Graz 2010-2011

6. *Benjamin Lawrence* MD, Tumor Biology, Auckland City Hospital 2010-2012

Bibliography:

Books (n = 3):

1. Modlin IM and **Kidd M**. *The Art of Dutch Medicine*, Drukkerij Koopmans, Netherlands, 2004.
2. Modlin IM and **Kidd M**. *Diverse and Sundry reflections on British Medicine with especial attention to Gastroenterology*: Sudler & Hennessey, London, 2004.
3. Modlin IM and **Kidd M**. *The Paradox of the Pancreas: from Wirsung to Whipple*. Politzki Print Productions: Hanover, 2003.

Book Chapters (n = 32):

1. Modlin IM, Gustafsson BI, **Kidd M**. *Neuroendocrine Tumors of the GI Tract: An appraisal of the past and perspectives for the future* in "The Oxford Textbook of Endocrinology and Diabetes" Meeran K, Bloom S (eds) Oxford University Press (2nd edition) (2010 - in press).
2. Modlin IM, **Kidd M**, Malfertheiner MV, Gustafsson BI. *Gastric Neuroendocrine Neoplasia* in "The Biology of Gastrointestinal Cancers" Wang TC, Fox JG, Giraud A (eds) Springer-Verlag, NY 2008; 185-216.
3. Black JW, **Kidd M**, Modlin IM. *Reflections on the Clinical Pharmacology of Proton Pump Inhibitors and the role of Gastrin Antagonists* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) 2008, 388-97.
4. Gustafsson BI, **Kidd M**, Modlin IM. *Bronchopulmonary Carcinoid Tumors* in "Oberndorfer Centennial" Modlin IM, Oberg K, (eds) 2008, 54-65.

5. Modlin IM, Oberg K, Chung DC, Jensen RT, de Herder WW, Thakker RV, Caplin M, Delle Fave G, Kaltsas GA, **Kidd M**, Krenning EP, Moss SF, Nilsson O, Rindi G, Salazar R, Ruzsniwski P, Sundin A. *The Current status of Gastroenteropancreatic Neuroendocrine Tumors* in “Oberndorfer Centennial” Modlin IM, Oberg K, (eds) 2008, 4-21.
6. Gustafsson BI, **Kidd M**, Drozdov I, Modlin IM. *The Enterochromaffin cell* in “Oberndorfer Centennial” Modlin IM, Oberg K, (eds) 2008, 178-91.
7. Modlin IM, Shapiro MD, **Kidd M**, Drozdov I, Gustafsson BI. *Siegfried Oberndorfer and the Origins of Carcinoid Tumors* in “Oberndorfer Centennial” Modlin IM, Oberg K, (eds) 2008, 22-39.
8. Modlin IM, Drozdov I, Gustafsson BI, Oberg K, **Kidd M**. *Rectal Neuroendocrine Tumors – Diagnosis and Treatment* in “Oberndorfer Centennial” Modlin IM, Oberg K, (eds) 2008, 124-33.
9. Gustafsson BI, **Kidd M**, Modlin IM. *Small Intestinal Neuroendocrine Tumors* in “Oberndorfer Centennial” Modlin IM, Oberg K, (eds) 2008, 100-10.
10. **Kidd M**, Malfertheiner M, Modlin IM. *ECL cells: CCN2 – a clue or a conundrum* in “Oberndorfer Centennial” Modlin IM, Oberg K, (eds) 2008, 254-67.
11. Gustafsson BI, Hauso O, **Kidd M**, Modlin IM. *Carcinoid Heart Disease* in “Oberndorfer Centennial” Modlin IM, Oberg K, (eds) 2008, 298-303.
12. Modlin IM, Bornschein J, **Kidd M**. *Gastrointestinal carcinoids* in “Gastrointestinal Oncology – A multidisciplinary approach” Jankowski J, Sampliner R, Kerr D, Fong Y (eds) Wiley-Blackwell 2008, Chapter 15.
13. Modlin IM, **Kidd M**, Champaneria MC, Chan A. *Historical perspectives of surgery for pancreatic tumors* in “Surgery of Pancreatic Tumors” Shrikande SV, Buchler MW (eds) BI Publications Pty Ltd. 2008, 1-13.
14. Modlin IM, Champaneria MC, Chan A, **Kidd M**. *Endocrine tumors of the pancreas* in “Surgery of Pancreatic Tumors” Shrikande SV, Buchler MW (eds) BI Publications Pty Ltd. 2008, 240-76.
15. Modlin IM, Champaneria MC, Chan A, **Kidd M**, Eick G. *The history of the pancreas* in “The Pancreas (2nd edition)” Beger HW, Buchler MW, Kozarek R, Lerch M, Neoptolemos J, Warshaw A, Whitcomb D, Shiratori K (eds) Blackwell 2008, Chapter 2.
16. Modlin IM, Gustafsson BI, **Kidd M**. *Gastrointestinal carcinoid tumors*. *Advances in Digestive Disease*, Howden CW (ed) AGA Institute Press 2007: pg 203-218.
17. Champaneria MC, Modlin IM, Latich I, Drozdov I, Bornschein J, **Kidd M**. *Somatostatin analogue therapy* in “Molecular targeting in oncology. Kaufman HL (ed) Humana Press 2007: Chapter 25.
18. Modlin IM, Latich I, **Kidd M**, Zikusoka MN, Eick G, Champaneria MC, Chan A. *Overview of therapeutic options for Gastrointestinal carcinoids*. *ASCO Educational Handbook* 2006.
19. Modlin IM, **Kidd M**, Eick G, Latich I, Zikusoka MN. *Gastric Carcinoid and the ECL cell* in “From Gastrin to GERD – A Century of Acid Suppression”, Felsenstein CCCP 2006, Chapter 7, pg 68-81.
20. Modlin IM, **Kidd M**, Eick G, Latich I, Zikusoka MN. *Edkins and a Century of Gastrin* in “From Gastrin to GERD – A Century of Acid Suppression”, Felsenstein CCCP 2006, XXXII-XLVI.
21. Modlin IM, Zikusoka MN, **Kidd M**, Latich I, Eick G, Romanyshyn JC. *The History and Epidemiology of Neuroendocrine Tumors* in “Handbook of Neuroendocrine Tumors.” Caplin M, Kvols L (eds). Bioscientifica Books 2006, chapter 2.
22. IM Modlin, K Lye, **M Kidd**. *Carcinoid Tumors* in “Endocrine Surgery”, Marcel Dekker, New York 2004, Chapter 51: 611-639.

23. IM Modlin, K Lye, **M Kidd**. *Radio-labeled Octreotide for treatment of endocrine and other tumors* in “Progress in Oncology.” DeVita VT, Jr., Hellman S, Rosenberg SA (eds). Jones and Bartlett: Sudbury, 2003;169-209.
24. Modlin IM, Hults C, **Kidd M**, Hinoue T. *A brief history of chronic pancreatitis* in “Chronic Pancreatitis: Novel concepts in Biology and Therapy.” Buchler MW, Freiss H, Uhl W, Malfertheiner P (eds). Blackwell, Berlin, Germany, 2001:3-26.
25. Schmid SW, Buchler MW, **Kidd M**, Modlin IM. *Acute pancreatitis* in “Evidence-based Gastroenterology.” Irvine JE and Hunt RH (eds). BC Decker Inc. Publisher, Ontario Canada, 2001:422-433.
26. Modlin IM, Fahardi J, **Kidd M**. *From the pump to the Helix* in “*Helicobacter pylori* – Basic mechanisms to clinical cure.” Hunt RH and Tytgat GNJ (Eds). Kluwer Academic Publishers, London UK 2000:347-372.
27. Schmid SW, Tang LH, **Kidd M**, Modlin IM. *Muscarinic receptors on the pancreatic acinar cell* in “Acute Pancreatitis: Novel concepts in Biology and Therapy.” Buchler MW and Uhl W (Eds). Blackwell, Berlin, Germany 1999:21-26.
28. Schmid SW, Uhl W, **Kidd M**, Modlin IM, Buchler MW. *Experimental models of acute pancreatitis and their clinical relevance* in “Acute Pancreatitis: Novel concepts in Biology and Therapy.” Buchler MW and Uhl W (Eds). Blackwell, Berlin, Germany 1999:51-62.
29. Modlin IM, **Kidd M**, Tang LH. *The Surgical Management of Carcinoid Tumors* in “EAGE Postgraduate Course.” Mignon M and Colombel J (Eds), John Libbey Eurotext Ltd.1999.
30. Modlin IM, **Kidd M**, Miu K, Tang LH. *The effect of Helicobacter pylori on enterochromaffin-like (ECL) cell function* in “*Helicobacter pylori* – Basic mechanisms to clinical cure.” Hunt RH and Tytgat GNJ (Eds). Kluwer Academic Publishers, London UK 1998: 176-187.
31. Kidd M, **Sandor A**, Tang LH, Modlin IM. *Acid Secretion in Health and Disease* in “Molecular and Cellular Pharmacology (Principles of Medical Biology” edited by Bittar EE, Bittar N, JAI Press, Inc., Vol 8, 1997.
32. Modlin IM, **Kidd M**, Sandor A. *Perspectives on Stem Cells and Gut Growth: Tales from a crypt - From the Walrus to Wittgenstein* in “The Gut as a Model in Cell and Molecular Biology.” Halter F, Winton DJ, Wright NA. (Eds.) Kluwer Academic Publishers, London UK 1997; 94:121-134.

Original Papers – published or in press (n = 127):

1. Modlin IM, Gustafsson BI, Pavel M, Lawrence B, Svejda B, **Kidd M**. A nomogram to assess small intestinal neuroendocrine tumor “carcinoid” survival. *Neuroendocrinology*. 2010 (in press).
2. Lawrence B, Gustafsson BI, Kidd M, Modlin IM. New Pharmacologic Therapies for Gastroenteropancreatic Neuroendocrine Tumors. *Gastroenterology Clinics of North America*. 2010 (in press).
3. Eltawil KM, **Kidd M**, Gustafsson B, Modlin IM. Neuroendocrine Tumors of the Gallbladder: An evaluation and reassessment of management strategy. *J Clin Gastro* (2010: in press – Mar 31 ePub).
4. Modlin IM, Gustafsson BI, Moss SF, Pavel M, Tsolakis AV, **Kidd M**. Chromogranin A – Biological function and clinical utility in neuroendocrine tumor disease. *Annals Surgical Oncology* (2010: in press – Mar 9 ePub).

5. Modlin IM, Moss SF, Oberg K, Padbury R, Hicks R, Gustafsson BI, Wright NA, **Kidd M**. Gastrointestinal neuroendocrine (carcinoid) tumors – current diagnosis and management. *Australian Medical Journal* 2010; 193:46-52.
6. **Kidd M**, Siddique Z-L, Drozdov I, Gustafsson BI, Camp RL, Black JW, Boyce M, Modlin IM. The CCK2 receptor antagonist, YF476, inhibits *Mastomys* ECL cell hyperplasia and gastric carcinoid tumor development. *Regulatory Peptides* 2010 162:52-60.
7. Svejda B, **Kidd M**, Giovinazzo F, Eltawil K, Gustafsson BI, Pfragner R, Modlin IM. The 5-HT_{2B} receptor plays a key regulatory role in both neuroendocrine tumor cell proliferation and the modulation of the fibroblast component of the neoplastic microenvironment. *Cancer* 2010; 116:2902-12.
8. Eltawil KM, **Kidd M**, Giovinazzo F, Helmy AH, Salem RR. Differentiating the impact of anatomic and non-anatomic liver resection on early recurrence in patients with Hepatocellular Carcinoma. *World Journal of Surgical Oncology* 2010, 8:43
9. Klimstra D, Modlin I, Adsay N, Chetty R, Deshpande V, Gonen M, Jensen R, **Kidd M**, Kulke M, R. L, Moran C, Moss S, Oberg K, O'Toole D, Rindi G, Robert M, Suster S, Tang L, Tzen C-Y, Washington M, Wiedenmann B, Yao J. Pathologic Reporting of Neuroendocrine Tumors: Application of the Delphic Consensus Process to the Development of a Minimum Pathologic Data Set. *Am J Pathol* 2010; 34:300-13.
10. Risch HA, Yu H, Lu L, **Kidd M**. ABO Blood Group and the Association Between *Helicobacter pylori* Seropositivity and Risk of Pancreas Cancer. *J Natl Cancer Institute* 2010;102:502-5.
11. Modlin IM, Pavel M, **Kidd M**, Gustafsson BI. Somatostatin analogues: An appraisal of their utility and efficacy. *Aliment Pharmacol Ther* 2010;31:169-188.
12. Drozdov I, **Kidd M**, Gustafsson BI, Svejda B, Joseph R, Pfragner R, Modlin IM. Auto-regulatory Effects of Serotonin on the Proliferation and Associated Signaling Pathway of Lung and Small Intestine Neuroendocrine Cell Lines *Cancer* 2009;115:4934-45.
13. **Kidd M**, Hauso Ø, Drozdov I, Gustafsson BI, Modlin IM. Delineation of the chemomechanosensory regulation of gastrin secretion using pure rodent G cells. *Gastroenterology* 2009; 137:231-41.
14. Drozdov I, **Kidd M**, Nadler B, Camp R, Mane M, Gustafsson BI, Hauso O, Modlin IM. Predicting Enterochromaffin Cell Neoplasia Using Gene Expression Profiling and Supervised Machine Learning. *Cancer* 2009; 115:1638-50.
15. Siddique Z-L, Drozdov I, Floch J, Gustafsson BI, Stunes K, Pfragner R, **Kidd M**, Modlin IM. KRJ-I and BON cell lines: defining an appropriate enterochromaffin cell neuroendocrine tumor model. *Neuroendocrinology* 2009; 89: 458-70.
16. Drozdov I, Modlin IM, **Kidd M**, Golubinov VV. Nikolai Konstantinovich Kulchitsky (1865-1925). *J Med Biography* 2009; 17:47-54.
17. Pannala R, **Kidd M**, Modlin IM. Acute pancreatitis: the rapid pace of no change. *Pancreas* 2009;38:355-66.
18. Modlin IM, Gustafsson BI, Drozdov I, **Kidd M**. Principal Component Analysis, Hierarchical Clustering, and Decision Tree Assessment of Plasma mRNA and Hormone Levels as an Early Detection Strategy for Small Intestinal Neuroendocrine (Carcinoid) Tumors. *Annals Surgical Oncology* 2009; 16: 487-98.

19. **Kidd M**, Gustafsson BI, Drozdov I, Modlin IM. Serotonin secretion from Crohn's disease EC cells is increased and mediated by IL1 β and LPS through TOLL receptor 4 (TLR4) activation of NF κ B. *Neurogastroenterology & Motility* 2009; 21: 439-50.
20. Drozdov I, Modlin IM, **Kidd M**, Golubinov VV. From Leningrad to London: The saga of Kulchitsky and the legacy of the enterochromaffin cell. *Neuroendocrinology* 2009; 89:1-12.
21. Gustafsson BI, Siddique Z-L, Chan AK, Manku D, Drozdov I, **Kidd M**, Modlin IM. Uncommon cancers of the small intestine, appendix and colon: An analysis of SEER 1973-2004, and current diagnosis and therapy. *International Journal of Cancer* 2008; 33:1121-31.
22. Hauso O, Gustafsson G, **Kidd M**, Waldum H, Drozdov I, Chan AK, Modlin IM. Neuroendocrine Tumor Epidemiology: Contrasting Norway and North America. *Cancer* 2008; 113:2655-64.
23. Gustafsson BI, Hauso O, Drozdov I, **Kidd M**, Modlin IM. Carcinoid Heart Disease. *International Journal of Cardiology* 2008; 129:318-24.
24. **Kidd M**, Modlin IM, Gustafsson BI, Drozdov I, Hauso O, Pfragner R. Role of tastants and olfactants in the regulation of normal and neoplastic EC cell serotonin release. *Am J Physiol* 2008; 295:G260-72.
25. Modlin IM, **Kidd M**, Drozdov I, Siddique Z-L, Gustafsson BI. Pharmacotherapy of Neuroendocrine Cancers. *Expert Opinion on Pharmacotherapy* 2008; 9:2617-26.
26. **Kidd M**, Drozdov I, Joseph R, Pfragner R, Culler M, Modlin IM. Differential cytotoxicity of novel somatostatin and dopamine chimeric compounds on bronchopulmonary and small intestinal neuroendocrine tumor cell lines. *Cancer* 2008; 113:690-700.
27. Bornschein J, **Kidd M**, Eick GN, Pfragner R, Modlin IM. Systematic Cytotoxic Analysis of Common Chemotherapeutic Agents On Lung and Small intestinal Carcinoid Cell lines. *Journal of Cancer Molecules* 2008; 4:47-54.
28. Drozdov I, **Kidd M**, Modlin IM. Hand Amputations and the Piano, or how diminuendo of the right hand led to fortissimo of the left. *J Hand Surgery* 2008; 33:780-6.
29. Gustafsson BI, **Kidd M**, Chan A, Malfertheiner MV, Modlin IM. Bronchopulmonary neuroendocrine tumors. *Cancer* 2008; 113:5-21.
30. Bornschein J, **Kidd M**, Malfertheiner P, Modlin IM. Neuroendokrine Tumoren des Gastrointestinaltraktes. *Dtsch Med Wochenschr* 2008; 133: 1505-10.
31. **Kidd M**, Schally AV, Pfragner R, Malfertheiner MV, Modlin IM. Inhibition of Proliferation of Small Intestinal and Bronchopulmonary cell lines using analogues targeting receptors. *Cancer* 2008; 112:1404-14.
32. Gustafsson BI, **Kidd M**, Modlin IM. Neuroendocrine tumors of the Diffuse Neuroendocrine System. *Current Opinion in Oncology* 2008; 20:1-12.
33. Sachs G, Shin JM, Munson K, Vagin O, **Kidd M**, Modlin IM. Molecular Mechanisms in Therapy of Acid Related Diseases. *Cellular and Molecular Life Sciences* 2008; 65:264-81.
34. **Kidd M**, Nadler B, Mane SM, Eick GN, Champaneria MC, Pfragner R, Modlin IM. GeneChip, geNorm and GI carcinoids: novel reference genes for real-time PCR. *Physiological Genomics* 2007; 30: 363-70.
35. **Kidd M**, Modlin IM, Pfragner R, Eick GN, Champaneria MC, Chan AO, Camp RL, Mane SM. Small bowel Carcinoid (EC cell) Neoplasia exhibits TGF β 1-Mediated regulatory abnormalities including Up-regulation of C-Myc and MTA1. *Cancer* 2007; 109: 2420-31.

36. Malfertheiner MV, Fill S, **Kidd M**, Modlin IM. The elucidation of peptic esophagitis: From Hamperl to Heartburn. *Zeitschrift fur Gastroenterologie* 2007; 45:1164-8.
37. **Kidd M**, Modlin IM, Shapiro MD, Camp RL, Mane SM, Lye KD, Usinger W, Murren J. CTGF, intestinal stellate cells and carcinoid tumor fibrogenesis. *World Journal of Gastroenterology* 2007; 13:5208-16.
38. Moss SF, **Kidd M**, Modlin IM. The status of the hiatus. The role of hernia in gastroesophageal reflux disease. *J Clin Gastroenterol* 2007; 41 (Suppl 2): S144-S153.
39. **Kidd M**, Modlin IM, Black JW, Boyce M, Culler M. Examination of novel gastrin, somatostatin and dopamine receptor compounds on gastric enterochromaffin-like cell function. *Regulatory Peptides* 2007; 143:109-17.
40. Modlin IM, Champaneria MC, Chan A, **Kidd M**, Eick G. A three-decade analysis of 3,911 small intestinal carcinoids: The rapid pace of no progress. *Am J Gastroenterol* 2007; 102: 1464-73.
41. **Kidd M**, Eick GN, Mane SM, Nadler B, Champaneria MC, Pfragner R, Modlin IM. Characterization of a human neoplastic enterochromaffin (EC) cell line, KRJ-I, and the inhibitory effects of Lanreotide and Rapamycin. *J Molecular Endocrinology* 2007; 38:181-92.
42. Modlin IM, **Kidd M**, Shapiro M, Eick G. Oberndorfer and the Evolution of Carcinoid Disease. *Archives Surgery* 2007; 142: 187-97.
43. Pannala R, Gafni-Kane A, **Kidd M**, Modlin IM. An Ileal Endometrioma: Of Carcinoids and Cadherin. *J Gastrointestinal Surgery* 2007; 11:229-32.
44. Modlin IM, Champaneria M, Bornschein J, **Kidd M**. The evolution of the diffuse neuroendocrine system – clear cells and cloudy origins. *Neuroendocrinology* 2006; 84:69-82.
45. Champaneria M, Modlin IM, **Kidd M**, Eick G. Frederick Feyrter: A precise intellect in a diffuse system. *Neuroendocrinol* 2006; 83:394-404.
46. **Kidd M**, Modlin IM, Eick GN, Camp RL, Mane SM. The role of CCN2/CTGF in the proliferation of *Mastomys* Enterochromaffin-like cells and gastric carcinoid development. *Am J Physiol* 2007; 292:G191-200.
47. **Kidd M**, Modlin IM, Eick GN, Champaneria MC. Isolation, Functional Characterization and Transcriptome of *Mastomys* Ileal Enterochromaffin Cells. *Am J Physiol* 2006; 291:G778-91.
48. Modlin IM, Shapiro MD, **Kidd M**. Primary carcinoid tumor of the parotid: a case report and review of the literature. *Ear Nose Throat Journal* 2006; 85: 533-9.
49. Modlin IM, Latic I, Zikusoka MN, **Kidd M**, Eick G, Chan A. Gastrointestinal carcinoids – the Evolution of Diagnostic strategies. *J Clin Gastroenterol* 2006; 40:572-82.
50. Modlin IM, **Kidd M**, Latic I, Zikusoka MN, Eick G, Mane SM, Camp RL. Genetic differentiation of appendiceal carcinoid malignancy – a guide for the perplexed. *Annals of Surgery* 2006; 244:52-60.
51. Modlin IM, **Kidd M**, Pfragner R, Eick GN, Champaneria MC. The Functional Characterization of Normal and Neoplastic Human Enterochromaffin Cells. *J Clinical Endocrinology and Metabolism* 2006; 91:2340-8.
52. Modlin IM, Latic I, **Kidd M**, Zikusoka MN, Eick G. Therapeutic options for Gastrointestinal carcinoids. *Clinical Gastroenterology and Hepatology* 2006; 4:526-47.
53. **Kidd M**, Modlin IM, Mane SM, Camp RL, Eick G, Latic I, Zikusoka MN. The utility of molecular genetic signatures in the delineation of gastric neoplasia. *Cancer* 2006; 106:1480-88.

54. **Kidd M**, Modlin IM, Mane SM, Camp RL, Eick G, Latich I. The role of genetic markers, NAP1L1, MAGE-D2 and MTA1, in defining small intestinal carcinoid neoplasia. *Annals of Surgical Oncology* 2006; 13:253-62.
55. **Kidd M**, Modlin IM, Mane SM, Camp RL, Shapiro MD. Q RT-PCR detection of Chromogranin A: A new standard in the identification of neuroendocrine tumor disease. *Annals of Surgery* 2006; 204: 273-80.
56. Pannala R, **Kidd M**, Modlin IM. Surgery for the Obese: A Panacea? *Digestive Surgery* 2006; 23:1-11.
57. Zikusoka MN, **Kidd M**, Eick G, Latich I, Modlin IM. Molecular genetics of gastroenteropancreatic neuroendocrine tumors. *Cancer* 2005; 104:2292-309.
58. Modlin IM, Sachs G, Wright NA, **Kidd M**. Edkins and a Century of Acid Suppression. *Digestion* 2005; 72:129-45.
59. Modlin IM, **Kidd M** Latich I, Zikusoka MN, Shapiro MD. Current status of Gastrointestinal carcinoids. *Gastroenterology* 2005; 128: 1717-51.
60. Buragas M, **Kidd M**, Modlin IM, Cha C. Multi-focal Gastric GIST and Synchronous Ileal Carcinoid. *Nature Clinical Practice Oncology* 2005; 2:166-70.
61. Shen Z, Xu S, Dewhurst FE, Paster BJ, Pena JA, Modlin IM, **Kidd M**, Fox JG. A Novel Enterohepatic Helicobacter Species "*Helicobacter mastomyrinus*" Isolated from the Liver and Intestine of Rodents. *Helicobacter*. 2005; 10:59-70.
62. **Kidd M**, Eick G, Shapiro MD, Camp RL, Mane SM, Modlin IM. Microsatellite instability and gene mutations in TGF β R2 are absent in small bowel carcinoids. *Cancer* 2005; 103: 229-36.
63. Modlin IM, Shapiro MD, **Kidd M**. A Miscellany of rare carcinoids – Clarifying the clinical conundrum. *World J. Surg* 2005; 29:92-101.
64. Modlin IM, Shapiro MD, **Kidd M**. Siegfried Oberndorfer - Origins and Perspectives of Carcinoid Tumors. *Human Pathology* 2004; 35:1440-1451.
65. **Kidd M**, Hinoue T, Eick G, Lye KD, Wen Y, Mane SM, Modlin IM. Global gene expression analysis of Enterochromaffin-like cells in the Mastomys gastric mucosa identifies alterations in the Activator protein-1 pathway. *Physiol Genomics*, 2004; 20:131-142.
66. Modlin IM, **Kidd M**. GERD 2004: Issues from the past and a consensus for the future. *Best Practice & Research Clinical Gastroenterology* 2004; 18 Suppl: 55-66.
67. Mall AS, Suleman N, Taylor K, **Kidd M**, Tyler M, Lotz Z, Hickman R, Kahn D. The Relationship of a *Helicobacter heilmannii* Infection to the Mucosal Changes in Abattoir and Laboratory Pig Stomach. *Surg Today*. 2004; 34:943-9.
68. Modlin IM, **Kidd M**, K Lye. From the Lumen to the Laparoscope. *Arch Surg* 2004; 139:1110-1126.
69. Modlin IM, Shapiro MD, **Kidd M**. Carcinoid tumors and fibrosis: a relation with little explanation. *Am J Gastro* 2004; 99:2466-2478.
70. Argent RH, **Kidd M**, Owen RJ, Thomas RJ, Limb MC, Atherton JC. Effect of *Helicobacter pylori* CagA phosphorylation on epithelial cell structure and its association with gastric cancer. *Gastroenterology* 2004; 127:514-523.
71. Winter TA, **Kidd M**, Marks IN. Gastric and duodenal mucosal protein turnover and growth factor expression in patients with *H. pylori* associated gastritis, before and after eradication of the organism. *Digestive Diseases Sciences* 2004; 49:925-30.
72. Abir F, Modlin IM, **Kidd M**, Bell R. The Surgical Treatment of Achalasia: Current Status and Controversies. *Digestive Surgery* 2004; 21:165-176.

73. Modlin IM, **Kidd M**. GERD 2003: Issues from the past and a consensus for the future. *Drugs Today* 2004; 40(Suppl 1A): 3-8.
74. Modlin IM, Moss SF, **M Kidd**, K Lye. Gastro-Esophageal Reflux Disease - Then and Now. *J Clin Gastroenterol*, 2004; 38:390-402.
75. Modlin IM, Lye K, **Kidd M**. A 50-year analysis of 562 Gastric Carcinoids: small tumor or larger problem? *Am J Gastroenterol* 2004; 99:23-32.
76. Modlin IM, Lye K, **Kidd M**. Multiple Gastric Carcinoids. *J Amer Coll Surgeons* 2004; 198: 174.
77. Modlin IM, **Kidd M**, Lye K. Carcinoid Tumors of the Stomach. *Surgical Oncology* 2003; 12: 153-172.
78. Modlin IM, **Kidd M**, Hinoue T, Lye K, Murren J, Cornelius E. The Utility of Molecular Strategies and Ind¹¹¹ Octreotide in defining the Management of Neuro Endocrine Tumor (NET) Disease: A new paradigm for surgical management. *The Surgeon* 2003; 1:137-143.
79. Modlin IM, **Kidd M**, Lye K, Wright NA. Gastric stem cells: An update. *Keio J Med* 2003; 52:122-125.
80. Owen RJ, Sharp S, Lawson AJ, Durrani Z, Rijpkema S, **Kidd M**. Investigation of the biological relevance of *Helicobacter pylori cagE* locus diversity, presence of CagA tyrosine phosphorylation motifs and vacuolating cytotoxin genotype on IL-8 induction in gastric epithelial cells. *FEMS Immunol Med Microbiol* 2003; 36:135-140.
81. IM Modlin, **M Kidd**, K Lye. Historical Perspectives on the treatment of Gastroesophageal Reflux Disease in Gastrointestinal Clinics of North America 2003; 13:19-55.
82. Falush D, Wirth T, Linz B, Pritchard J, Stephens M, **Kidd M**, Blaser M, Graham DY, Vacher S, Perez-Perez GI, Yamaoka Y, Megraud F, Otto K, Reichard U, Katzowitsch E, Wang X, Achtman M, Suerbaum S. Tracing human migrations in *Helicobacter pylori* populations. *Science* 2003; 299 (5612):1582-1585.
83. Modlin IM, **Kidd M**. "Ranitidine and loxidine" in "Predictive value of rodent forestomach and gastric neuroendocrine tumors in evaluating carcinogenic risk to humans" IARC Technical Publication No. 39 (2003):167-176.
84. Modlin IM, **Kidd M**. "*Praomys (Mastomys) natalensis* as a model for gastric carcinoids" in "Predictive value of rodent forestomach and gastric neuroendocrine tumors in evaluating carcinogenic risk to humans" IARC Technical Publication No. 39 (2003):109-119, 2003.
85. Modlin IM, Lye K, **Kidd M**. A five-decade analysis of 13,715 carcinoid tumors. *Cancer* 2003; 97:934-959.
86. Modlin IM, **Kidd M**, Lye K. Biology and management of gastric carcinoid tumours: a review. *Eur J Surg*. 2002;168(12):669-83.
87. IM Modlin, **M Kidd**, K Lye. Amsterdam and Netherlands Gastroenterology: A historical perspective. *Best Pract Res Clin Gastroenterol* 2002; 16:971-998.
88. IM Modlin, **M Kidd**, K Lye. Perspectives and reflections on Integrated Digestive Surgery. *Best Pract Res Clin Gastroenterol* 2002; 16:885-914.
89. Modlin IM, **Kidd M**, Hults C, Hinoue T. The surgery of chronic pancreatitis – A chronicle of confusion and despair? *World J Surg* 2002; 12:1382-1396.
90. Lantermann A, Hampe J, Kim WH, Winter TA, **Kidd M**, Nagy M, Folsch UR, Schreiber S. Investigation of HLA-DPA1 genotypes as predictors of inflammatory bowel disease in the German, South African, and South Korean populations. *Int J Colorectal Dis* 2002 17:238-44.

91. Young GO, Brown S, Stemmet N, Lastovica AJ, Marks IN, Modlin IM, **Kidd M**. The pepsinogen-releasing effect of *Helicobacter pylori* lipopolysaccharide. *Helicobacter* 2002; 7: 30-38.
92. Louw JA, **Kidd M**, Kummer A, Taylor K, Kotze U, Hanslo D. The relationship between *Helicobacter pylori* infection, the virulence genotypes of the infecting strain and gastric cancer in the African setting. *Helicobacter* 2001; 6: 268-273.
93. Lauffer JM, Tang LH, Zhang T, Hinoue T, Rahbar S, Odo M, Modlin IM, **Kidd M**. PACAP mediates the neural proliferative pathway of Mastomys Enterochromaffin-like cell transformation. *Regulatory Peptides* 2001; 102:157-164.
94. **Kidd M**, Peek RM, Lastovica AJ, Israel DA, Kummer AF, Louw JA. Analysis of *iceA* genotypes in South African *Helicobacter pylori* strains and relationship to clinically significant disease. *Gut* 2001; 49:629-635.
95. Modlin IM, **Kidd M**, Hinoue T. Of Fibiger and fables: cockroaches and *Helicobacter pylori*. *J Clin Gastroenterol* 2001; 33:177-179.
96. **Kidd M**, Lastovica AJ, Atherton JC, Louw JA. Conservation of the *cag* pathogenicity island is associated with *vacA* alleles and gastroduodenal disease in South African *Helicobacter pylori* isolates. *Gut* 2001; 49:11-17.
97. **Kidd M**, Modlin IM. Van Swieten and the Renaissance of the Vienna Medical School. *World J of Surgery* 2001; 25: 444-450.
98. **Kidd M**, Atherton JC, Lastovica AJ, Louw JA. Virulence clustering of South African *Helicobacter pylori* isolates is demonstrated by repetitive extragenic palindromic and random amplified polymorphic DNA-PCR fingerprinting. *J Clin Micro* 2001; 39: 1833-1839.
99. Modlin IM, **Kidd M**. Ernest Starling and the discovery of secretin. *J Clin Gastroenterol* 2001; 32: 187-193.
100. **Kidd M**, Moss SF, Tang LH, Zhang T, Chin K, Holt P, Modlin IM. Gastrin mediated alterations in gastric epithelial apoptosis and proliferation in a rodent model of gastric neoplasia. *Digestion* 2000; 62: 143-151.
101. Modlin IM, **Kidd M**, Fahardi J. Bayliss and Starling and the nascence of endocrinology. *Regul Pept* 2000; 25: 109-123.
102. **Kidd M**, Tang LH, Schmid S, Louw JA, Modlin IM. *Helicobacter pylori* Lipopolysaccharide alters ECL cell proliferation via a CD14 receptor and polyamine pathway in Mastomys. *Digestion* 2000; 62:217-224.
103. Lauffer JM, Modlin IM, Hinoue T, **Kidd M**, Zhang T, Schmid SW, Tang LH. Pituitary Adenylate Cyclase-activating polypeptide modulates Gastric Enterochromaffin-like cell proliferation in Rats. *Gastroenterology* 1999; 116: 623-635.
104. O'Keefe SJD, **Kidd M**, Espitalier-Noel G, Owira P. Rarity of colon cancer in Africans is associated with low animal product consumption, not fiber. *Am J Gastroenterol* 1999; 94: 1373-1380.
105. **Kidd M**, Modlin IM. Frederick Ruysch: Master Anatomist and Depicter of the Surreality of Death. *J. Med. Biog.* 1999; 7: 69-77.
106. **Kidd M**, Louw JA, Marks IN. *Helicobacter pylori* in Africa - Observations on an "Enigma within an Enigma". *J Gastroenterol and Hepatol* 1999; 14: 851-858.
107. **Kidd M**, Lastovica A, Atherton JC, Louw JA. Heterogeneity in the *Helicobacter pylori* genes *vacA* and *cagA*: Associated with gastroduodenal disease in South Africa? *Gut* 1999; 45: 499-502.

108. **Kidd M**, Modlin IM. From Bontius to Boerhaave – The Leiden Luminati. *World J of Surgery* 1999; 23: 1307-1314.
109. **Kidd M**, Modlin IM. A Century of *Helicobacter pylori*: Paradigm's Lost, Paradigm's Regained. *Digestion* 1998; 59:1-15.
110. **Kidd M**, Modlin IM, Tang LH. Gastrin: An Acid Update. *Digestive Surgery* 1998; 15:209-217.
111. Louw JA, **Kidd M**. *Helicobacter pylori*: Friend or Foe? *Specialist Medicine* 1998; 20:6-8.
112. **Kidd M**, Tang LH, Schmid SW, Miu K, Modlin IM. A Polyamine Pathway Mediated Mitogenic Mechanism In Enterochromaffin-Like Cells of Mastomys. *Am. J. Phys.* 1998; 275 (2 Pt1):G370-376.
113. Luque EA, Tang LH, Bortecen KH, **Kidd M**, Miu K, Efstathiou JA, Modlin IM. Gastrin-regulated expression of p53 in transformed enterochromaffin-like cells of the African rodent mastomys. *J Clin Gastroenterol* 1998; 27(Suppl 1):S116-S124.
114. Modlin IM, **Kidd M**, Marks IN, Tang LH. The pivotal role of John S. Edkins in the discovery of gastrin. *World J of Surgery* 1997; 21: 226-234.
115. Schloss IC, **Kidd M**, Tichelaar HY, Young GO, O'Keefe SJD. Dietary factors associated with a low risk of colon cancer in coloured West Coast Fishermen. *SAMJ* 1997; 87: 152-158.
116. Modlin IM, Sandor A, Tang LH, **Kidd M**, Zelterman D. A 40 Year Analysis of 265 Gastric Carcinoids. *Am J Gastroenterol* 1997; 92: 633-638.
117. **Kidd M**, Miu K, Perez-Perez GI, Blaser M, Tang LH, Sandor A, Modlin IM. *Helicobacter pylori* Lipopolysaccharide stimulates histamine release and DNA synthesis in purified rat ECL cells. *Gastroenterology* 1997; 113:1110-1117.
118. Modlin IM, **Kidd M**, Sandor A. The influence of Theodor Kocher on American Surgery. *Digestive Surgery* 1997; 14:469-482.
119. Tang LH, Luque EA, Efstathiou JA, Bortecen KH, **Kidd M**, Tarasova NI, Modlin IM. Gastrin receptor expression and function during rapid transformation of the enterochromaffin-like cell in an African rodent. *Regulatory Peptides* 1997; 72:9-18.
120. **Kidd M**, Modlin, IM, Tang LH. Histamine and Enterochromaffin-like Cells. *Therapeutic Research* 1997; 19 (Suppl 1):S233-242
121. Sandor A, **Kidd M**, Lawton GP, Miu K, Tang LH, Modlin IM. Neurohormonal Regulation of rat ECL cell histamine secretion. *Gastroenterology* 1996; 110: 1084-1092.
122. Modlin IM, Lawton GP, Miu K, **Kidd M**, Luque EA, Sandor A, Tang LH. The Pathophysiology of the Fundic Enterochromaffin-like (ECL) cell and Gastric Carcinoid Tumors. *Ann. R. Coll. Surg. Engl.* 1996; 78:133-138.
123. Lawton GP, Tang LH, **Kidd M**, Chinnery R, Miu K, Modlin IM. Regulation of Mastomys ECL cell function by Transforming Growth Factor Alpha. *J. Surg. Res.* 1996; 60:293-302.
124. Modlin IM, Zhu Z, Tang LH, **Kidd M**, Lawton GP, Miu K, Powers RE, Pasikhov D, Goldenring JR, Soroka CJ. Evidence for a regulatory role for Histamine in Gastric Enterochromaffin-like cell proliferation induced by hypergastrinemia. *Digestion* 1996; 57: 310-321.
125. Tang LH, Modlin IM, Lawton GP, **Kidd M**, Chinnery R. The role of TGF α in the Enterochromaffin-like Cell Tumor Autonomy in an African rodent Mastomys. *Gastroenterology* 1996; 111: 1212-1223.
126. Borin JF, Tang LH, **Kidd M**, Miu K, Bortecen KH, Sandor A, Modlin IM. Somatostatin Receptor (SST_R) Regulation of Gastric Enterochromaffin-like (ECL) Cell Transformation to Gastric Carcinoid. *Surgery* 1996; 120: 1026-1032.

127. **Kidd M, Tang LH, Miu K, Lawton GP, Sandor A, Modlin IM.** Autoregulation of Enterochromaffin-like cell histamine secretion via the H3 receptor subtype. *Yale J. Biol. Med.* 1996; 69: 9-19.

Oral Presentations (n = 30):

1. **Serotonin is a critical signaling molecule in the local and metastatic small intestinal neuroendocrine tumor microenvironment**, NTNU Department of Medicine, Trondheim, Norway, June 18, 2010.
2. **Mechanisms of Normal and Abnormal Serotonin Secretion: Inflammatory and Malignant Gastrointestinal Disease**, Yale Department of Surgery Research Conference, May 26, 2010.
3. **The role of umami and glutamate receptors in the gastrin-EC cell axis and implications of a serotonin-gastrin interface in the regulation of acid secretion**, at the Receptors and Signaling Session, Digestive Disease Week, New Orleans, May 2, 2010.
4. **Serotonin, hepatocytes and the neuroendocrine tumor liver microenvironment**, Yale Liver Center NIH P30 Grant External Review, April 22, 2010.
5. **Mechanisms of Abnormal Enterochromaffin Cell Secretion of Serotonin in Malignant and Inflammatory Gastrointestinal Disease**, Yale Department of Surgery Research Conference, February 24, 2010.
6. **The fundamentals of EC cell biology**, at the ABC of NETs, Melbourne, Australia, Sept 12, 2009.
7. **Effectively targeting neuroendocrine tumor proliferation**, at the Peter Mac Cancer Center, Melbourne, Australia, Sept 14, 2009
8. **The role of gastrointestinal mechanical forces in the regulation of gut enterochromaffin cell secretion and implications for irritable bowel syndrome**, at the Neurogastroenterology and Motility Research Forum, Digestive Disease Week, Chicago, May 31, 2009.
9. **The role of luminal tastants and olfactants in the regulation of gut neuroendocrine cell secretion and the implications for gastrointestinal health and disease**, at the Nutrition and Obesity Research Forum, Digestive Disease Week, Chicago, June 2, 2009.
10. **The potential of tumor circulating stem cells**, at the European Society for Clinical Investigation, Frankfurt, Germany, April 2, 2009.
11. **RT-PCR and supervised machine learning strategies in NET tissue evaluation for prediction of NET metastasis and prognosis**, at the European Society for Clinical Investigation, Frankfurt, Germany, April 2, 2009.
12. **Abnormal immune-mediated (IL1 β /LPS) regulation of small intestinal EC cell serotonin release in inflammatory bowel disease**, at the Neuroimmune Modulation of Gut Function Research Forum, Digestive Disease Week, San Diego, May 18, 2008.
13. **Regulation of small intestinal EC cell serotonin release – the role of taste and mechanical forces**, at the Neurogastroenterology and Motility Distinguished Abstract Plenary, Digestive Disease Week, San Diego, May 19, 2008
14. **Secretory mechanisms and products**, at the Neuroendocrine Tumor-Carcinoid Summit Conference, NIH, Bethesda, September 24-25, 2007.
15. **Cells and Systems: ECL cells**, at the Neuroendocrine Tumor-Carcinoid Summit Conference, NIH, Bethesda, September 24-25, 2007.

16. **ECL cells: CCN2 – a clue or a conundrum**, at the Siegfried Oberndorfer Centennial Meeting, Montreux Palace, Montreux, Switzerland, April 20-21, 2007.
17. **Use of FACS in the Isolation and Characterization of Gastrointestinal Neuroendocrine Cells**, at the 7th Dean's Workshop (Sorting It All Out: New Directions in Flow Cytometry), Yale University, New Haven, CT, USA, April 28, 2006.
18. **Gastric enterochromaffin cell-like (ECL) carcinoids in rodents and their relevance to human disease**, at SOT⁸ 41st Annual meeting, Nashville, USA, March 17-21, 2002.
19. **Is there an association between *H. heilmannii* infection, mucus degradation and ulceration of the pars oesophagea in the bile duct ligated pig? A pilot study**, at SRS⁹, Cape Town, South Africa, July 27th-28th, 2000.
20. **The biological relevance of *Helicobacter pylori* virulence fingerprints**, at SAGES, Windhoek, Namibia, June 15th-19th, 2000.
21. **Relationship between *Helicobacter pylori* *iceA* genotypes, *vacA* alleles and clinically significant disease in South Africa**, at SAGES, Windhoek, Namibia, June 15th-19th, 2000.
22. **Case study: Ranitidine/Loxidine**, at IARC¹⁰, "Predictive value of gastric neuroendocrine tumors and forestomach tumors in rodents for carcinogenic hazard identification", Lyon, France, November 29-December 1, 1999.
23. **Molecular dissection of the *cag* pathogenicity island (PAI) in *H. pylori* isolates from South Africa**, at SAGES, Victoria Falls, Zimbabwe, August 21-24, 1999.
24. **Molecular dissection of *H. pylori* pathogenicity in South Africa**, at SAGES, Cape Town, South Africa, October 4-6, 1998.
25. **Genotypic analysis of *vacA* diversity and *cagA* in South African *H. pylori* isolates**, at the Zeneca Annual Medical Research Day, Cape Town, South Africa, Aug 12, 1998.
26. **Gastrin mediated alterations in gastric epithelial apoptosis and proliferation in a rodent model of gastric neoplasia**, at the DDW¹¹, New Orleans, USA, May 16–21, 1998.
27. ***Helicobacter pylori* and ECL cells**, at the "Clinical and Biological Relevance of *Helicobacter pylori*", Yale University, New Haven, CT, USA, Mar 1-2, 1997.
28. **The effect of *Helicobacter pylori* Lipopolysaccharides on the ECL cell**, at the "Clinical and Biological Relevance of the ECL cell", Yale University, New Haven, CT, USA. Feb 1-2, 1997.
29. **Incidences of Colon Cancer in 3 different African populations**, at SAGES, Sun City, Johannesburg, South Africa, June 1-3, 1994
30. **Dietary fatty acids and proliferative potential of colorectal mucosa in two African populations**, at Experimental Biology, Los Angeles, CA, USA, April 24-27, 1994.

Session chairs (n = 3):

1. Receptors and Signaling Session, Digestive Disease Week, New Orleans, May 2, 2010.
2. **Neuroendocrine Tumors I – Novel approaches in diagnosis and treatment**, at the European Society for Clinical Investigation, Frankfurt, Germany, April 2, 2009.

⁸ Society of Toxicology

⁹ Surgical Research Society (of South Africa)

¹⁰ International Agency for Research on Cancer, World Health Organization

¹¹ Digestive Disease Week, American Gastroenterology Association

3. **Neuroendocrine Tumors II – Novel aspects of Pathology and Genetics, somatostatin receptor signaling**, at the European Society for Clinical Investigation, Frankfurt, Germany, April 2, 2009.

Lectures (n = 2):

1. ***H. pylori* virulence factors and the African enigma**, at Medicine Research Forum, Groote Schuur Hospital, University of Cape Town, South Africa, June 17th, 1999.
2. **The etiology and biology of colorectal carcinoma**, 6th year Medical School lecture, Groote Schuur Hospital, University of Cape Town, South Africa, January 24th, 1994.

International Meeting Co-ordinator:

1. “From Gastrin to GERD – A century of acid secretion”, April 7-10, 2005, Basingstoke, England.
2. “Defining the Matrix of the Mucosa: Questions, Solutions and Directions in Gastroenterology”, November 30-December 2, 2004, Cape Town, South Africa.
3. “GI Bleeding: The Stomach in Distress”, April 5, 2003, Yale University, USA.
4. “The Paradox of the Pancreas”, March 14-15, 2003, Yale University, USA.
5. “GERD: Then and Now”, November 16, 2002, Yale University, USA.
6. “The Irritable Bowel Syndrome”, October 26, 2001, Yale University, USA.
7. “Joint Meeting: Yale Department of Surgery & The Royal College of Surgeons of England”, March 14-15, 2001, Yale University, USA.
8. “GERD – the last Word?” November 14-16, 1997, Yale University, USA.
9. “The Clinical and Biological Relevance of *Helicobacter pylori*”, March 1-2, 1997, Yale University, USA.
10. “The Clinical and Biological Relevance of the ECL cell”, February 1-2, 1997, Yale University, USA.
11. “Current Perspectives in Acid Inhibitory Therapy”, November 17-19, 1995, Yale University, USA.