



DIVISION OF GASTROENTEROLOGY

Volume 4
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2009

GI Spring Digest

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CHIEF OBSERVATIONS

Chung Owyang



One of the most important events in our academic and clinical careers is the annual Digestive Disease Week. This year it is taking place in Chicago May 30 – June 4. Despite the tightening of NIH funding and ever increasing clinical duties, the division has done extremely well in multiple areas. This is a record breaking year for Michigan GI, as we have 26 oral presentations, 53 posters and two abstracts chosen to be presented in the distinguished abstracts plenary session. A wide range of topics will be covered, including colon cancer screening, feeding behavior and obesity, inflammatory bowel disease, diabetic neuropathy, developmental biology of the GI tract, gut immunology, molecular imaging, clock genes, cancer biology, and viral hepatitis. It is rewarding that many of our junior faculty have been invited to serve as moderators chairing sessions, and I am especially proud that 12 of our faculty have been asked to give state of the art lectures.

Never has our division done so well. To celebrate our accomplishments, be sure to stop by our annual reception, held this year at the Hyatt Regency McCormick Place, Conference Center 12 on Sunday May 31 from 7-10 P.M. I look forward to seeing all of you in Chicago!



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

CLINICAL SYMPOSIUMS, RESEARCH AND TOPIC FORUMS

May 31, McCormick Place

William D. Chey 10:52, S406A

- Is There a Role for Measuring Colonic Transit Time in Chronic Constipation?

Neel Choksi, Sameer D. Saini, Grace H. Elta, Philip S. Schoenfeld, et. al., 2:45, S406A

- Risk of perforation during colonoscopy: A systematic review and meta-analysis

Gintautas Grabauskas, Ying Li, Il Song, Chung Owyang, 10:30, S401A

- Electrophysiological and molecular signatures of glucose inhibited neurons in the nodose ganglia (NG) projecting to the portal vein: Mediation of feeding behavior in response to changing glucose levels in the portal vein.

Shuangsong Hong, John W. Wiley, et. al., 9:45, S501BC

- Supraspinal Activation Associated with Stress-Induced Visceral Hypersensitivity: A Neuroimaging Study in the Awake Rat

John Y. Kao, Min Zhang, Kathryn A. Eaton, Bradford E. Berndt, 2:30, E351

- Helicobacter pylori immune escape mechanism mediated by regulation of Th17:Treg balance

Ying Li, Jing Fan, Xiaoyin Wu, Haiyan Liu, Chung Owyang, 10:30, S101

- Up-regulation of phosphorylated NR2B subunit of the NMDA receptors (NMDAR) in the postsynaptic density contributes to anterior cingulate cortex synaptic plasticity and visceral hypersensitivity

Anna S. Lok

- Why does resistance develop? Nomenclature and monitoring for antiviral resistance, 2:20 , S105
- Changes in Hepatocellular Carcinoma: The impact of vaccination programs, 4:30, S401BC

Jorge A. Marrero, 2:15, S103D

- Screening and Diagnosis (Milan Criteria Revisited: Hepatocellular Cancer Diagnosis and Treatment)

Paul Pockros, Anna S. Lok, et. al, 8:45, S105

- Histologic Outcomes in Non-SVR Patients with Varying Durations of HCV Undetectability After Interferon-Based Treatments

Andrea Todisco, Moderator

- Novel Signaling Pathways in Gastrointestinal Chemosensing, 2:15

Joel H. Rubenstein, Moderator

- Health Services, IBD: Epidemiology and Natural History, 10:30, E352



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

CLINICAL SYMPOSIUMS, RESEARCH AND TOPIC FORUMS (CONT.)

May 31, McCormick Place (cont.)

Akbar Waljee, Peter Higgins, 10:30, S102

- Distorted perceptions of the utility of Ulcerative Colitis: Is colectomy a mind-altering experience?

Shi-Yi Zhou, Yanping Liu, Il Song, Dabo Xu, Phattrawan Pisuchpen, Chung Owyang, 9:15, S401D

- Nitrosative stress followed by apoptosis via mitochondrion-dependent intrinsic pathways mediate selective nitrergic cell death in diabetes

June 1, McCormick Place

Robert Fontana, 8:30, S106A

- Epidemiology of ALF and etiology specific medical treatments

James M. Scheiman, Liz Guastello, Sameer D. Saini, et. al., 3:30, E351

- Proton Pump Inhibitor Prescription in High-Risk Cardiac Patients: A Missed Opportunity?

James M. Scheiman, et. al., 2:15, E451A

- Prevention of Low-dose Acetylsalicylic Acid-Associated Gastric/Duodenal Ulcers With Esomeprazole 20mg and 40mg Once Daily in Patients at Increased Risk of Ulcer Development: a Randomized Controlled Trial (OBERON)

Angel Lanas, James M. Scheiman, et. al., 3:15, E351

- Prescription rates of PPI therapy are high in patients on dual antiplatelet therapy in Spain, regardless of the presence of risk factors

Philip Schoenfeld, 3:27, S104

- State of the Art Lecture: Improving the quality of colonoscopy

Ying Li, Xiaoyin Wu, Jing Fan, Chung Owyang, 3:30, S501D

- Sensitization of anterior cingulate cortex due to upregulation of NR2B subunit of the NMDA receptors contribute to pain responses in rats with chronic pancreatitis

Thomas D. Wang, 2:45, S406B

- In Vivo Colorectal Neoplasia Detection using Peptide-Targeted Confocal Endoscopy

William J. Zacharias, John Y. Kao, Deborah L. Gumucio, et. al., 3:30, S402

- Constitutive Inhibition of Hedgehog (Hh) Signaling Causes Intestinal Villus Atrophy, Spontaneous Small Intestinal Inflammation, and Dermatitis: A Mouse Phenocopy of Human Celiac Disease?



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

CLINICAL SYMPOSIUMS, RESEARCH AND TOPIC FORUMS(CONT.)

June 1, McCormick Place (cont.)

Dawn L. Francis, April Grudell, et. al., 3:00, S401BC

- Predictive validity and responsiveness of the Mayo Dysphagia Questionnaire-30 for the outcome of dysphagia

June 2, McCormick Place

Michelle Anderson 9:10, S101

- The New ASGE Guidelines

Matthew J. DiMagno, Moderator, 10:30, S502

- Effects of Nutrients on the Pancreas

Grace H. Elta

- Acute and Necrotizing Pancreatitis, 3:23, B1
- Screening, Diagnostic, and Therapeutic Colonoscopy in the Elderly, 4:23, B1

Gintautas Grabauskas, Chung Owyang, 11:00, S401A

- Chronic hyperglycemia in diabetes alters electrophysiological properties of a subset of DRG neurons in rats. Implication in disturbed anorectal functions in diabetes.

Andrea Heldsinger, Gintautas Grabauskas, Il Song, Chung Owyang, 8:45, S402

- Synergistic interaction between leptin and CCK in the nodose ganglia to mediate short-term satiety involves JAK/STAT3, SRC, and PI3 kinase signaling pathways Upregulation of vagal NK1 receptor by cisplatin facilitates the interaction of substance P and serotonin in the vagal afferent neurons: implication in the emesis related to chemotherapy, Ying Li, Xiaoyin Wu, Jing Fan, Chung Owyang, 9:30, S402

Stephanie Y. Owyang, Jose Antony Paul, Min Zhang, John Y. Kao, 4:15, E351

- The immunoregulatory properties of Helicobacter pylori DNA on conventional dendritic cells.

Yong M. Kwon, Cyrus R. Piraka, Richard S. Kwon, Henry D. Appelman, Thomas D. Wang, 3:00, E451A

- Targeting of Intra-Epithelial Neoplasia in Barrett's Esophagus with Fluorescence-labeled Peptide

Meng Li, Chris M. Komarck, Yong M. Kwon, Thomas D. Wang, 2:15, E451A

- Novel Fluorescence-labeled Peptide for Targeting Intra-Epithelial Neoplasia in Barrett's Esophagus



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

CLINICAL SYMPOSIUMS, RESEARCH AND TOPIC FORUMS(CONT.)

June 3, McCormick Place

Bradford E. Berndt, Teresa W. Wang, Stephanie Y. Owyang, Min Zhang, John Y. Kao, 3:30, E351

- Butyrate enhances LPS-stimulated conventional dendritic cell Th17 induction

Gintautas Grabauskas, Ying Li, Shi-Yi Zhou, Xiaoyin Wu, Yuanxu Lu, Chung Owyang, 9:00, S401BC

- Upregulation of the Two Pore K⁺ Channel TRESK in the Nodose Ganglia (NG) is responsible for impaired gastrointestinal functions mediated by vago-vagal reflex in diabetes

Willemijntje A. Hoogerwerf, Vahakn Shahinian, Jonathon M. Bostwick, John Timm, et. al., 8:45, S402

- Clock genes mediate circadian changes in colonic motility

Jennifer Jorgensen, Ellen M. Zimmermann, Andrea Todisco, Chung Owyang, 11:00, S104

- Changes in the University of Michigan Gastroenterology Fellowship Over Two Decades

Braden Kuo, William D. Chey, William L. Hasler, et. al., 9:15, S501D

- Impact of age on upper gastrointestinal function in healthy and gastro paretic populations, as measured by a non-invasive wireless capsule

Satish Rao, William D. Chey, Richard Saad, et. al., 9:30, S501D

- Assessment of Colonic, Whole Gut and Regional Transit in elderly constipated and healthy subjects with a novel Wireless pH/pressure Capsule (SmartPill®)

Philip Schoenfeld 9:00, S404

- New data on available IBS treatments

Ellen M. Zimmermann 11:45, S104

- Building a Better Gastroenterologist: The Future of GI Training

AGA-Gastrointestinal Teaching Project

- **Pratima Sharma, Grace L Su**: American Gastroenterology Association (AGA): Gastro slides for Gastroenterology Teaching Project. Liver Diseases and Gall Stones in Women, **to be launched during DDW-2009**. This slide set has 83 slides with notes and up to date references. Topics covered: Hepatocellular Carcinoma, Benign Solid Lesions of Liver, Polycystic Liver Disease, Primary Biliary Cirrhosis and Gall stones.



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

COMMITTEE SPONSORED SYMPOSIUM- MCCORMICK PLACE

May 31

Ellen M. Zimmermann

- Panel Discussion - Issues Facing GI Fellowship Programs: A Primer for Program Directors, 11:00

June 2

Rebecca W. Van Dyke

- Pregnancy and Liver Disease, 10:30, S501BC

MEET THE PROFESSOR LUNCHEONS - HYATT REGENCY MCCORMICK

June 1

Peter Higgins, Akbar Waljee

- Outcomes measures in IBD - 12:30, CC20B

Bill Chey

- Management of Functional Dyspepsia - 12:30, CC12C

June 2

PROBLEM BASED LEARNING LUNCHEON - HYATT REGENCY MCCORMICK

Phil Schoenfeld, Moderator

- An evidence-based approach to the management of Irritable Bowel Syndrome -12:30, Meeting Suite #4

R.T. Stravitz, Robert Fontana

- Acute Liver Failure Management, 12:30, CC10A

DISTINGUISHED ABSTRACT PLENARY- MCCORMICK PLACE

June 2

Andrea Todisco, Masahiko Shinohara, Piangwarin Phaosawasdi, Maria Y. Mao, Linda C. Samuelson, Kathryn A. Eaton, Deborah L. Gumucio - 4:15, S501BC

- Regulation of gastric epithelial homeostasis by Bone Morphogenetic Protein signaling

Mohamad El Zaatari, Milena Saqui-Salces, Meghna Waghray, Arthur Tessier, Longchuan Bai, Juanita L. Merchant - 4:45, S501BC

- Sonic Hedgehog Regulates Mucous Neck to Zymogenic Cell Lineage Specification



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

VIDEO FORUM

June 1, McCormick Place - ASGE Session I, Moderator - Grace H. Elta, 8:00, S100

LATE BREAKING ABSTRACT FORUMS

June 2, McCormick Place - [Jerome D. Waye](#), Leslie B. Aldrich, et. al., 2:45, E451B

- Effectiveness of the Third Eye Retroscope for Detecting Polyps in the Right Colon

BREAKFAST WITH CHAMPIONS - HYATT REGENCY MCCORMICK

June 3, Grace H. Elta, 6:30 AM, CC20AB

- ERCP: Taking on the Pancreas

POSTER SESSIONS: MAY 31, SOUTH HALL, MCCORMICK PLACE, 8:00 AM

- Emergence and Resolution of Diabetes and Hypertension Post-Liver Transplantation, [Hellan Kang](#), Sameer D. Saini, Anna S. Lok
- Region-Specific Motor Patterns and pH Profiles in Unprepared Human Colon Quantified by Simultaneous Radiography and Wireless Capsule Measurements, [William L. Hasler](#), Richard J. Saad, William D. Chey
- Platelet counts are predictive of fibrosis stage across most, but not all, liver disease etiologies, [Elaine W. Parker](#), Mina O. Rakoski, et. al.
- The homeodomain transcription factor Cdx2 regulates E cadherin activity by enhancing its localization from the cytoplasm to the cell membrane, [Shinsuke Funakoshi](#), Long Dang, Duyen Dang, et. al.
- CFTR mutation in pancreatic acinar cells directly modulates pancreatic injury due to defective chloride channel functioning, [Matthew J. DiMagno](#), Sae-Hong Lee, Chung Owyang, Stephen A. Ernst
- NOD2 gene mutations predict CT enterography-defined strictures, [Tina Vazirani](#), Jeremy Adler, Andrace DeYampert, Peter D. Higgins, Peter Kuffa, Phyllissa Schmiedl-Ren, Gabriel I. Nuñez, Ellen M. Zimmermann, et. al.
- Do abnormalities on testing for dyssynergic defecation correlate with abdominal pain and bloating in constipated patients?, [Amol S. Rangnekar](#), Richard J. Saad, Daniel M. Morgan, Dee Fenner, William D. Chey
- Predictive validity and responsiveness of the Mayo Dysphagia Questionnaire-30 for the outcome of erosive reflux esophagitis, [Judith L. McElhiney](#), April Grudell, et. al.
- Colon Cancer Risk Perception in Ulcerative Colitis: Patients Overestimate the Risk, but Disagree with the Therapy, [Dahlia Awais](#), Peter D. Higgins, et. al.
- The Prognostic Power of NOD2 Genotype for Complicated Crohn's Disease: a Meta-analysis, [Jeremy Adler](#), Sujal Rangwalla, Peter D. Higgins



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

POSTER SESSIONS(CONT.): MAY 31, SOUTH HALL, MCCORMICK PLACE

- Age of Crohn's disease onset and medication use predict clinical outcomes in patients with CT enterography-defined strictures, [Darashana Punglia](#), Jeremy Adler, Jonathan R. Dillman, Mahmoud M. Al-Hawary, Paul L. Sonda, Joel F. Platt, Ellen M. Zimmermann

POSTER SESSIONS: JUNE 1, SOUTH HALL, MCCORMICK PLACE, 8:00 AM

- Correlation Between Serum Alpha-fetoprotein and Alanine Aminotransferase Levels in Acute and Chronic Liver Disease, [Tram T. Tran](#), Mina O. Rakoski, et. al.
- Gastric epithelial cells express primary cilia, [M. Saqui-Salces](#), Juanita L. Merchant
- IL-1 β induces specific gastric mucous cell differentiation and proliferation, [M. Saqui-Salces](#), Juanita L. Merchant
- Reduced Stool Frequency Does Not Predict Colonic and Whole Gut Transit in Constipated Patients, [Richard J. Saad](#), William D. Chey, William L. Hasler, et. al.
- Lansoprazole 15 mg Rapidly Treats Frequent Heartburn Over 14 Days in a Self-Treating Population: Pooled Analysis of 3 Randomized, Double-blind, Placebo-Controlled Studies, [James M. Scheiman](#)
- Regulation of gastric inflammation by Bone Morphogenetic Protein signaling, [Andrea Todisco](#), Masahiko Shinohara, Piangwarin Phaosawasdi, Maria Y. Mao, Linda C. Samuelson, Kathryn A. Eaton
- Comparison of the Accuracy of Standard and Rosemont Endoscopic Ultrasound (EUS) Scoring for the Diagnosis of Chronic Pancreatitis (CP), [Tyler Stevens](#), Cyrus R. Piraka, et. al.
- Multicenter Study of Interobserver Agreement of Standard Endoscopic Ultrasound (EUS) Scoring and Rosemont Classification for Diagnosis of Chronic Pancreatitis, [Tyler Stevens](#), Cyrus R. Piraka, et. al.
- PET-CT versus EUS Lymph Node Detection in Esophageal Cancer Patients: Implications for Dilatation Requirement, [Craig M. Womeldorph](#), Richard S. Kwon
- Elevated Risk of Colorectal Cancer in Inflammatory Bowel Disease and Modification of Risk by Statin use: A Population-Based Case-Control Study, [N. Jewel Samadder](#), Shu-Chen Huang, Bhramar Mukherjee, Gad Rennert, Stephen B. Gruber

POSTER SESSIONS: JUNE 2, SOUTH HALL, MCCORMICK PLACE, 8:00 AM

- Similar Efficacy of Lansoprazole 15 and 30 mg in the Treatment of Frequent Nighttime Heartburn in a Self-Treating Population, [M. Brian Fennerty](#), James M. Scheiman, et. al.
- Time Trends in Colonoscopy Volume in the United States from 2002 to 2007, [Sameer D. Saini](#), Philip S. Schoenfeld, et. al.
- High-risk patients for GI bleeding on dual antiplatelet therapy in Spain are more like to receive PPI therapy than their American peers, [Angel Lanas](#), Liz Guastello, Sameer D. Saini, James M. Scheiman.



GI Faculty/Fellows In the News at DDW (May 30-June 4, 2009)

POSTER SESSIONS(CONT.): JUNE 2, SOUTH HALL, MCCORMICK PLACE

- Long-term outcome of pancreatic sphincterotomy in patients with idiopathic acute recurrent pancreatitis (IARP) and pancreatic sphincter of Oddi dysfunction (SOD), [Helena B. Pasieka](#), Sheryl J. Korsnes, Michelle A. Anderson, Philip S. Schoenfeld, Grace H. Elta, et. al.
- Helicobacter pylori infection is less likely in patients with inflammatory bowel disease: A meta-analysis of Relative Risk, [Jay Luther](#), Maneesh Dave, Peter D. Higgins, John Y. Kao
- Assessment of Risk for Barrett's Esophagus by Demographic Features, [Joel H. Rubenstein](#), et. al.
- Meta-analysis of Association of Gastroesophageal Reflux Symptoms and Esophageal Adenocarcinoma, [Justin B. Taylor](#), Joel H. Rubenstein
- Incidence of Esophageal Adenocarcinoma in Patients with Gastroesophageal Reflux in Context of Other Screened Cancers, [Joel H. Rubenstein](#), James M. Scheiman
- Resveratrol-Induced Cell Cycle Arrest and Apoptosis in Rat Intestinal Smooth Muscle Cells, [Phyllissa Schmiedlin-Ren](#), Ellen M. Zimmermann

POSTER SESSIONS: JUNE 3, SOUTH HALL, MCCORMICK PLACE, 8:00 AM

- A comparison of small bowel pH profiles in healthy subjects and patients with gastroparesis as measured by a non-invasive wireless capsule, [Braden Kuo](#), William D. Chey, William L. Hasler, et. al.
- The impact of using different standardized meals in the assessment of motility of upper gastrointestinal tract, [Braden Kuo](#), William D. Chey, William L. Hasler, et. al.
- Do abnormalities on testing for dyssynergic defecation correlate with abdominal pain and bloating in constipated patients? [Amol S. Rangnekar](#), Richard J. Saad, Daniel M. Morgan, Dee Fenner, William D. Chey
- Prediction of Outcomes and Complications in Inflammatory Bowel Disease Treatment with Thiopurines and Adjunctive Allopurinol: Should We Monitor Absolute Lymphocyte Counts? [Peter D. Higgins](#), Shail M. Govani, Ellen M. Zimmermann, Timothy T. Nostrant
- Heterogeneous Gastric Slow Wave Abnormalities in Diabetics With Gastroparesis Compared to Healthy Subjects Measured by Endoscopy-Directed Multichannel Mucosal Mapping, [Radoslav Cole-ski](#), William L. Hasler
- Spironolactone and Inhibitors of the RAAS (Renin-Angiotensin-Aldosterone System) Inhibit Transforming Growth Factor Beta-Induced Fibrogenesis in Human Colonic Myofibroblasts, [Laura Johnson](#), Ellen M. Zimmermann, Peter D. Higgins
- Upregulation of NMDA receptor NR2B subunits in gastric myenteric plexus is responsible for selective nitroergic neuropathy in diabetes: Mediation by endogenous nitric oxide, [Shi-Yi Zhou](#), Yanping Liu, Il Song, Dabo Xu, Phattrawan Pisuchpen, Chung Owyang



Additional Publications and Presentations

Publications

- Ford AC, **Chey WD**, Talley NJ, Malhotra A, Spiegel BMR, Moayyedi P. Yield of diagnostic tests for celiac disease in individuals with symptoms suggestive of Irritable Bowel Syndrome: Systematic review and meta-analysis. *Arch Int Med*, 2009;169:651-8.
- Drossman D, **Chey WD** et al. Lubiprostone in patients with constipation-associated irritable bowel syndrome: results of two randomized, placebo-controlled trials. *Aliment Pharmacol Ther* 2009;29:329-41.
- Maneerattanaporn M, **Chey WD**. Sleep and functional gastrointestinal disorders: The chicken or the egg? *Neurogastroenterol Motil* 2009;2:97-99.
- Brenner D, Moeller MJ, **Chey WD**, **Schoenfeld P**. The utility of probiotics in the treatment of irritable bowel syndrome: a systematic review. *Am J Gastroenterol*, 2009;online early March 10, 2009
- **Chey WD**, ACG IBS Task Force. An evidence-based review of the management of irritable bowel syndrome. *Am J Gastroenterol*, 2009;104 (suppl 1):1-35.
- **Chey WD**, Interview on IBS and Celiac Disease, *Shape Magazine*, July, 2009
- **Waljee AK**, **MJ DiMagno**, **PS Schoenfeld**, BU Wu, DL Conwell. Systematic review: Pancreatic enzyme treatment for malabsorption associated with chronic pancreatitis. *Alimentary Pharmacology & Therapeutics* 29(3):235-46, 2009.
- DeBenedet AT, TE Raghunathan, J Wing, **EJ Wamsteker**, **MJ DiMagno**. Current alcohol use and former cigarette smoking as risk factors for post-ERCP pancreatitis. *Clinical Gastroenterology and Hepatology*. 7(3):353-58, 2009.
- **Lok AS**, Seeff LB, Morgan TR, Di Bisceglie AM, Sterling RK, Curto TM, Everson GT, Lindsay KL, Lee WM, Bonkovsky HL, Dienstag JL, Ghany MG, Morishima C, Goodman ZD, and the HALT-C Trial Group. Incidence of hepatocellular carcinoma and associated risk factors in hepatitis C-related advanced liver disease. *Gastroenterology* 136: 138-148, 2009.
- Degertekin B, Hussain M, Tan J, Oberhelman K, **Lok AS**. Sensitivity and accuracy of an updated line probe assay (HBV DR v.3) in detecting mutations associated with hepatitis B antiviral resistance. *J Hepatol* 50: 42-8, 2009.
- Chotiyaputta W and **Lok AS**. Role of antiviral therapy in the prevention of perinatal transmission of HBV infection. *J Viral Hepat* 16: 91-3, 2009.
- **Volk ML**, **Lok AS**. Is family history of liver cancer a risk factor for hepatocellular carcinoma? *J Hepatol* 50:247-8, 2009.
- Degertekin B and **Lok AS**. What is the optimal regimen for preventing hepatitis B recurrence after liver transplantation? *Nature Clin Pract Gastroenterol Hepatol* 6:68-9, 2009.
- **Sharma P**, Welch K, Eikstadt R, **Marrero JA**, **Fontana RJ**, **Lok AS**. Renal outcomes after liver transplantation in MELD era. *Liver Transplantation*, 2009; Accepted for publication.
- Schaubel DE, Guidinger M, Biggins SW, Kalbfleisch J, Pomfret EA, **Sharma P**, Merion RM. Survival Benefit-Based Deceased-Donor Liver Allocation. *American Journal of Transplantation*, 2009, 9(4p2); 970-981
- **Sharma P**, Schaubel DE, Sima C, Goodrich N, Merion RM, **Lok AS**. Re-weighting the Model for End Stage Liver Disease score components. *Gastroenterology*, 2008; 135: 1575-1581

Presentations:

- **Bill Chey** - UM Health Minute: Celiac Disease. 2/10/2009. <http://www2.med.umich.edu/prmc/media/newsroom/details.cfm?ID=1030>
- **Bill Chey**, New IBD Guidelines **Oral Presentation**, 2nd Annual ACG Allied Health Professionals Symposium, Oct., 2008
- **Sharma P**, Schaubel DE, Gong Qi, Guidinger MK, Merion RM. End stage liver disease (ESLD) patients with high MELD have higher wait list mortality than Status-1 patients. **Oral Presentation**, American Transplant Congress, 2009, Boston.
- **Sharma P**, Welch K, Eickstadt R, Marrero J, Fontana R, Lok A. Effect of pre-liver transplantation renal function on outcomes after liver transplantation in the MELD Era. **Poster Presentation**, American Association of Study of Liver Diseases, 2008, San Francisco, CA
- **Samadder, N.J.**, Huang, S.C., Rennert, G., Mukherjee, B. and Gruber, S.B. Elevated Risk of Colorectal Cancer in Inflammatory Bowel Disease and Modification of Risk by NSAID use: A Population-Based Case-Control Study, **Oral Presentation**, North American Conference of Gastroenterology Fellows, Orlando, FL, May 2009.
- **Lisa Sylvest**, **Tim Nostrant**, Immunomodulator Therapy for IBD: A Team Approach. **Oral Presentation**, 2nd Annual ACG Allied Health Professionals Symposium, Oct., 2008



Awards and Recognition

Bill Chey

- Director, Michigan Bowel Control Program, effective January, 2009
- Co-editor-in-chief of AJG in 2010 with Paul Moayyedi from McMaster U

Matt DiMagno

- 10/2008 - Recognized in the "Guide to America's Top Gastroenterologists"

Bob Fontana

- Co-chair, DILIN Steering Committee
- 2008 Transplant Hepatology Board Certification

Hellan Kang

- 2008 Transplant Hepatology Board Certification

Phil Schoenfeld

- Vice-Chair, Clinical Practice Section, AGA Council

Grace Su

- 2008 Transplant Hepatology Board Certification

Lisa Sylvest

- Course co-director for the 2nd Annual ACG Allied Health Professionals Symposium on Oct. 5, 2008.

Atanu Bhattacharya

- Fellow, American College of Healthcare Executives

"You're Super" Award Winners

- | | |
|---|--------------------|
| <input type="checkbox"/> Patricia Arnold | Michelle Anderson |
| <input type="checkbox"/> Atanu Bhattacharya | Dahlia Awais |
| <input type="checkbox"/> Shannon Byrnes | John Del Valle |
| <input type="checkbox"/> Barbara Boughen | Bob Fontana |
| <input type="checkbox"/> Laurie Bluemlein | April Grudell |
| <input type="checkbox"/> Kimberly Gerycz | Jennifer Jorgensen |
| <input type="checkbox"/> Jeff Holden | Jason Lewis |
| <input type="checkbox"/> Ashley Leftridge | Mimi Takami |
| <input type="checkbox"/> Joy Marshall | Aparna Repaka |
| <input type="checkbox"/> Karen Mikich | Akbar Waljee |
| <input type="checkbox"/> Patricia Lai | Lisa Sylvest |

"Make a Difference" Award Winners

- | | |
|---------------------------------------|----------------|
| <input type="checkbox"/> Joe Elmunzer | Michael Rajala |
| <input type="checkbox"/> Raf Rizk | John Wiley |
| <input type="checkbox"/> Bill Chey | |

Note - Starting March 2009, Make a Difference recognition awards replaced the You're Super awards

Grants Awarded

- **Michelle Anderson**, subcontract with University of Pittsburgh, "NAPS2 Continuation", NIH
- **Hari Conjeevaram**, clinical trial, "Study to Investigate the Safety, Tolerability, Pharmacokinetics and Activity of GS-9450 in Adults with Non-alcoholic Steatohepatitis (NASH)", Gilead Sciences
- **Joe Elmunzer**, 2008 Olympus Medical Systems NOSCAR Research Award, "Endoscopic Full Thickness Resection of Gastric Lesions Using a Novel Grasp-and-Snare Technique: Evaluation in a Porcine Survival Model", ASGE
- **Robert Fontana**, renewal of U01, "Michigan Hepatotoxicity Clinical Research Network", NIH
- **April Grudell**, Seed funding, "Cerebral and Spinal Evoked Potentials in Patients with Diarrhea-Predominant Irritable Bowel Syndrome and Postprandial Pain", MICHR
- **Hellan Kang**, Clinical Trial, "Eltrombopag to Reduce the Need for Platelet Transfusion in Thrombocytopenic Subjects with Chronic Liver Disease Undergoing Elective Invasive Procedures. The ELEVATE study." GlaxoSmithKline
- **Ying Li**, laboratory services agreement, "Characterize Dose-Dependent Effects and Time Course of Three Antagonists on Cisplatin-Induced Increases in Vagal Afferent Spontaneous Activity and the Enhanced Neuronal Responses to SP", Esai Company, Ltd
- **Anna Lok**, U01, "Hepatitis B Clinical Research Network Clinical Center: Michigan - Hawaii Consortium", NIH
- **Anna Lok**, clinical trial, "A Phase 3, Safety and Efficacy Study of Boceprevir in Previously Untreated Subjects with Chronic Hepatitis C Genotype 1", Schering Corp



Grants Awarded (cont.)

- **Jorge Marrero**, clinical trial, Study of Oral TAC-101 as Second Line Treatment in Patients with Advanced Hepatocellular Carcinoma Who Received Sorafenib as First Line Therapy”, Taiho Pharma
- **Juanita Merchant**, renewal of P01 Program Project, “Cellular Decisions of Differentiation in the GI Tract”, NIH
- **Cyrus Piraka**, NOSCART Research Award, “Full Thickness Luminal Resection Using the Assistance of a Novel Device: A Feasibility Study”, ASGE
- **Richard Saad**, Research Scholar Award in Geriatric Gastroenterology, “The Physiologic Mechanisms Underlying Chronic Constipation in an Elderly Population”, FDHN
- **Richard Saad**, clinical trial, “CTT Validation Study”, Smartpill Diagnostics
- **Richard Saad**, clinical trial, “Study to Assess the Efficacy and Safety of Rifaximin 550 mg TID in the Treatment of Subjects with Non-Constipation Irritable Bowel Syndrome”, Salix Pharmaceuticals
- **Sameer Saini**, Investigator-Sponsored Study, “Utilization of Gastroprotective Agents in At-Risk Patients Undergoing Percutaneous Coronary Intervention (PCI) Receiving Multiple Antiplatelet Agents”, AstraZeneca

Grants Awarded (cont.)

- **Pratima Sharma**, AST/Roche Clinical Science Faculty Development Grant, “Re-weighting of the Model for End-State Liver Disease (MELD): Effects of Survival Benefit and the Burden of Renal Disease After Liver Transplantation”, American Society of Transplantation
- **Pratima Sharma**, Collaborative Type 2 NIH-CTSA, UL1RR024986. 2009-2010; Primary Investigator
- **James Scheiman**, research grant, “Neoplasia Detection in Pancreatic Mass Lesions Using Tissue Optical Spectroscopy”, National Pancreas Foundation
- **Grace Su**, Merit Award, “Immune Mechanisms of Drug Induced Hepatotoxicity”, Veterans Administration
- **Thomas Wang**, U54, “In Vivo Detection of Neoplasia in the Digestive Tract”, NIH
- **Shi-Yi Zhou**, Innovation Award, “Plasticity of Interstitial Cells of Cajal in Diabetic Gastropathy”, American Diabetes Association
- **Ellen Zimmermann**, travel awards, “GI Fellow Educational Grant”, Ortho-McNeil Pharmaceutical, Centocor, Santaurus, Cook Medical



GI Fellows Corner

GI Fellows Corner

FIRST YEAR FELLOWS

Costas Anastassiades

- Manuscript published: **Anastassiades CP**, Baron TH, Wong Kee Song LM. Endoscopic clipping for the management of gastrointestinal bleeding. *Nat Clin Pract Gastroenterol Hepatol* 2008;5:559-68.
- Manuscript published: **Anastassiades CP**, Virk A. From gut to bone. *Am J Med* 2008;121:767-9.
- Manuscript published: **Anastassiades CP**, Cremonini F, Hadjinicolaou D. Colonoscopy and colonography: back to the roots. *Eur Rev Med Pharmacol Sci* 2008;12:345-7.
- IRB submission and approval: Detection of eosinophilic esophagitis - ex vivo study (HUM00023669).
- Manuscript in press: **Anastassiades CP**, Wilson BC, Wong Kee Song LM. Fluorescence and Raman spectroscopy. *Gastrointest Endoscopy Clin N Am* (2009).
- Manuscript in press: Shahveredian ED, **Anastassiades CP**, Charles JC. 60-year-old man with a skin rash. *Mayo Clin Proc* (2009).

Jennifer Jorgensen

- See DDW News

Jason Lewis

- Manuscript published: Winchester DE, **Lewis JJ**, Farineau DW, Donowitz GR. A career development curriculum for Internal Medicine Residents: practical application of suggestive educational reforms. *University of Virginia Journal of Medicine*. 4:47-50. October 2008.
- Book chapter in press: **Lewis JJ** & Berg CL. *IBD and the Liver*. In: Bickston SJ (ed), *The Handbook of Inflammatory Bowel Disease*. Lippincott, Williams, & Wilkins. (In press)
- Gastroenterology Fellowship Education Committee, 2008 to present.
- Small Bowel Curriculum Committee, 2008 to present

Mina Rakoski

- Manuscript published: Oh MK, Winn J, Poordad FF. Review article: diagnosis and treatment of non-alcoholic fatty liver disease. *Alimentary Pharmacology & Therapeutics*. 28(5):503-22, 2008 Sep 1. DDW News –pp. 7-8

Eugene Zolotarevsky

- Mosess Gunn Department of Surgery Research Conference 2009, Poster Presentation: C Li*; **E Zolotarevsky***; MA Anderso; DM Lubman. Pancreatic Cancer Serum Detection Using A Lectin/Glyco-Antibody Array Method

SECOND YEAR FELLOWS

April Grudell

- Manuscript published: **Grudell ABM**, Sweetser S, Camilleri M, Eckert D, Vazquez-Roque MI, Carlson PJ, Burton DD, Braddock AE, Clark MM, Graszer KM, Kalsy SA, Zinsmeister AR. A Controlled Pharmacogenetic Trial of Sibutramine on Weight Loss and Body Composition in Obese or Overweight Adults. *Gastroenterology* 2008; 135(4):1142-1154.
- Manuscript published: **Grudell ABM**, Camilleri M, Jensen K, Foxx-Orenstein A, Ryks M, Baxter K, Burton DD, Zinsmeister AR. Dose-Response Effect of a β -Adrenergic Receptor Agonist, Solabegron, on Gastrointestinal Transit, Bowel Function and Somatostatin Levels in Health. *Am J Physiol Gastrointestinal Liver Physiol* 2008; 294(5):G1114-1119.
- See DDW News

Akshay Gupta

- Manuscript Published. **Akshay K Gupta**, Paul Pinsky, Christopher Rall, Mathew Mutch, David Seligson, Sarah Dry, Robert Schoen. The reliability and accuracy of endoscopic appearance in the identification of aberrant crypt foci. *Gastrointestinal Endoscopy* (In Press)
- Manuscript Published. **Akshay K Gupta**, Robert Schoen. Aberrant crypt foci: Are they intermediate end-points in colon carcinogenesis in man? *Current Opinions in Gastroenterology* 2009 Jan;25(1):59-65
- IRB Approved. **Akshay K Gupta**, Phil Schoenfeld. Assessment of the prevalence of adenomas in patients in the 40-49 yr age group undergoing screening colonoscopy due to a family history of adenomas or that of colorectal carcinoma. Approved 01/09.
- Reviewer for: American Journal of Gastroenterology, Gastrointestinal Endoscopy
- Fellowship2Leadership travel grant, towards ACG 2009

Nirmal Kaur

- Administrative: Chief Fellow 2009-2010
- Committee Work: MPU Quality Initiative Committee Fellow Representative

Michael Rajala

- Committee service: GI Education Committee 2008-11

Jewel Samadder

- IRB Accepted: A Phase III Placebo-controlled Trial of Celecoxib in Genotype Positive Subjects with Familial Adenomatous Polyposis. Role: Co-Investigator.



GI Fellows Corner

GI Fellows Corner

SECOND YEAR FELLOWS

Jewel Samadder (cont.)

- Grant Received: Gastrointestinal Manifestations in PTEN Hamartoma Tumor Syndrome: An Endoscopic Study. Funded by Given Imaging
- Accepted to Mayo Clinic 4th year Advanced Endoscopy Fellowship

THIRD YEAR FELLOWS

Dahlia Awais

- Kane S, Lu F, Kornbluth A, **Awais D**, Higgins PDR. Controversies in Mucosal Healing in Ulcerative Colitis. Inflammatory Bowel Diseases, 2009, In Press.
- Book Chapter: **Awais D**, Higgins PDR. Endoscopy in IBD. In Bickston S, ed. Handbook of Inflammatory Bowel Disease. Lippincott Williams & Wilkins, In Press.
- Grant received: Procter and Gamble Regional Grant-In-Aid
- RWJ Masters of Science in Health Research 2008-2009
- Administrative: Chief Fellow, 2008-2009

Vinay Katukuri

- Accepted to Thomas Jefferson University for 4th year Advanced Endoscopy Fellowship
- Recipient of scholarship for 2009-10 ASGE Video Editing Scholarship Program
- Research proposal approved by UCUCA: Infrared spectroscopy in colitis

Aparna Repaka

- **Aparna Repaka** MD, Robert Fontana MD. Peliosis Hepatis due to Bartonella infection: An unusual cause of cholestatic hepatitis following renal transplantation, **Poster** presentation ACG Annual Scientific Meeting October 2008:
- GCN5 is a required cofactor for a ubiquitin ligase that targets NF-kappaB/RelA., Mao X, Gluck N, Li D, Maine GN, Li H, Zaidi IW, **Repaka A**, Mayo MW, Burstein E. Genes Dev. 2009 Apr 1;23(7):849-61. Manuscript published
- James F. Jackson III MD, Tanvi Dhare MD, **Aparna Repaka** MD, Aasma Shaukat MD MPH, Shanthi Sitaraman MD, PhD. Crohn's Disease in an African American Population. The American Journal of the Medical Sciences 2008 Nov; 336(5):389-92. Manuscript published
- IRB accepted: Clinical outcomes and Complications of Capsule endoscopy: University of Michigan Single center experience. Role: PI. Faculty Advisor: Laurel Fisher MD
- Accepted to Case Western Reserve University 4th year Advanced Endoscopy Fellowship, 2010

THIRD YEAR FELLOWS (CONT.)

Amit Singal

- RWJ Masters of Science in Health Research 2008-2009
- Book Chapter published: **Singal, A**, Schoenfeld P. How do you respond to patients wanting to take aspirin, calcium, or other medications as prophylaxis for colorectal cancer? Is there any evidence that they work? Curbside Consultation of the Colon: 49 Clinical Questions. Slack Publishing September 2008.
- Accepted to UM Transplant Hepatology Fellowship

Jason Taylor

- Grant received: 2009 ASGE Endoscopic Research Award: **Taylor JR**, Piraka C. "A pilot study of EUS-guided celiac plexus block with botulinum toxin A (BotA) injection as therapy to reduce pain in chronic pancreatitis."
- Accepted to 4th year UM Advanced Endoscopy Fellowship
- Book Chapter: **Taylor JR**, Schoenfeld P. "Colorectal cancer screening." Curbside Consultation of the Colon: 49 Clinical questions. Slack Publishing. Sept., 2008.
- Manuscript published: Elmunzer BJ, Waljee AK, Elta GH, **Taylor JR**, Fehmi SM, Higgins PD. "A meta-analysis of rectal NSAIDs in the prevention of post-ERCP pancreatitis." Gut. 2008 Sep;57(9):1262-7.

Akbar Waljee

- Manuscript published: **Waljee AK**, Joyce J, Wang S, Zhu J, Higgins P.D.R. Expert Algorithms based on Common Lab Tests Outperform Thiopurine Metabolites in the Prediction of Thiopurine Treatment Success in IBD. (Submitted)
- Grant received: Identifying Factors that Influence Ulcerative Colitis and Post-Colectomy Utility – Funded by the American Society of Colon and Rectal Surgeons. – Limited Project Grant
- Manuscript published: Elmunzer BJ, **Waljee AK**, Elta GH, Taylor JR, Fehmi SM, Higgins PD. A meta-analysis of NSAIDs in the prevention of post-ERCP pancreatitis. Gut. 2008 Sep; 57(9): 1262-7.
- Manuscript published: Joyce J, **Waljee A**, Khan T, Wren P, Zimmermann E, Higgins P.D.R. Identification of Symptom Domains in Ulcerative Colitis That Are Responsive to Changes in Disease Severity. Health Qual Life Outcomes. 2008 Sep 20; 6:69

GI Fellows Corner (cont.)

THIRD YEAR FELLOWS (CONT.)

Akbar Waljee (cont)

- Manuscript published: Rangwalla S, **Waljee AK**, Higgins PD. The VWF (Voting with Their Feet) Endpoint in Ulcerative Colitis Clinical Trials Reflects Clinical Practice Outcomes Inflamm Bowel Dis. 2008 Dec 4;15(3):422-428.
- Manuscript published: **Waljee AK**, DiMagno MD, Bechien WU, Schoenfeld PS, Conwell MD. Pancreatic enzyme treatment of pancreatic exocrine insufficiency: A systematic review. Aliment Pharmacol Ther. 2009 Feb 1;29(3):235-46
- Manuscript published: **Waljee AK**, Joyce J, Khan T, Zimmermann E, Wren P, Higgins P.D.R Patient reported symptoms during an ulcerative colitis flare: A Qualitative Focus Group Study. Eur J Gastroenterol Hepatol. 2009 Feb 3. [Epub ahead of print]

ADVANCED—FOURTH YEAR FELLOWS

Amaar Ghazale

- Amaar moving with his family to Houston, to be closer to his relatives.
- He will be joining Gastroenterology Consultants, P.A. as the Interventional Endoscopist for the practice.
- His eventual goal is to build a pancreatic-biliary referral practice covering Southeast Houston.

Craig Womeldorph

- Craig is returning to Washington DC to the National Naval Medical Center. He will serve as Chief of Endoscopy and as one of the new interventional gastroenterologists.
- See DDW News

Visiting Faculty

June 9

John Walker, M.D., Oregon, Hosts - Grace Elta, M.D., Cyrus Piraka, M.D.

TOPIC: GI - Directed Propofol: Science and Politics (Tues A.M. conf)

June 22-23

Doug Rex, M.D., Indiana Univ., Host - Phil Schoenfeld, M.D. (Tues A.M. conf)

July 26-29

Jean-Fred Colombel, M.D., Host - Peter Higgins, M.D., PhD, Centre Hospitalier, Universitaire de Lille, France (Tues A.M. conf)

Visiting Medical Student

May 3-29

Raghuwansh Prasad Sah, MBBS

Mentor - Hari Conjeevaram, M.D.

All India Institute of Medical Sciences. New Delhi, India



Originally spearheaded by Dean James O. Wooliscroft, M.D., Global REACH (Research, Education And Collaboration in Health) had its genesis in the late 1990s with the University of Michigan Medical School Administration's increasing interest in expanding its horizons to include a more global perspective.

The purpose of the international program at the Medical School is to enhance opportunities for educational exchanges among students and faculty, facilitate international research collaborations, and provide opportunities for visiting scholars to benefit from expertise available at the University of Michigan.

Raghu said, "I came to the division of Gastroenterology and Hepatology at U MICH for clinical observation. I came here for one month and spent my time rounding in the inpatient as well as consult services and attending the clinics and meetings of the division. I found the experience very productive in terms of exposure to a wide variety of clinical scenarios in GI and learnt a great deal about the exciting frontiers of GI research too.

The faculty is very considerate, understanding and adept in creating the perfect learning environment. In all the excitement, I can't believe that one month went so quick!"



Welcome! New Faces in GI

Michelle Atkinson



Michelle has joined us from Neurology where she was a Clinical Research Coordinator. Her office is located in MSRB I and she supports both Dr. DiMugno and Dr. Hasler as their **Clinical Subjects Coordinator**.

Kristen Boardman, PA-C



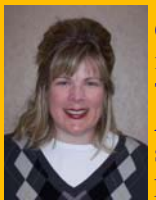
Kristen has joined us from Concentra Medical Centers in Denver and Detroit where she was a **Physician Assistant** providing urgent care and occupational medicine services. Prior to that Kristen was in a primary care setting in Hornell, New York. Her office is located in Taubman (3rd floor) and she will be supporting faculty in seeing IBD (Crohn's and colitis) patients. She has a Master's degree in physician assistant studies from Arcadia Univ., in Glenside, PA.

Portia Bonner



Portia joins GI from Valassis Communications where she supported Marketing and Information Technology as an Administrative Assistant. She held a similar role at Pfizer supporting Analytical Research, Development and Pharma Sciences. As an **Administrative Assistant** she will support Drs. Aldrich, Fontana, Hasler, Rizk, Saad, Scheiman, Sharma and Jeff Holden.

Christine Brozo, PA-C



Christine came to GI from Hematology/Oncology, in Multiple Myeloma. Her office is located in Taubman (3rd floor). In her role as a **Physician Assistant**, she will be supporting Dr. Nostrant and seeing his patients. She has a Master's degree in physician assistant studies from Wayne State Univ.

Miranda Cody



Miranda is a **Medical Assistant** that most of us know from Pod D. Miranda has taken on the important dual roles of assisting in scheduling and flow of new patients to the IBD clinics, and enrolling patients into our database.

Welcome! New Faces in GI

Jeannette Miclette



Jeannette joins us from Pfizer where she was an HR professional and implemented rewards and recognition programs. She also oversaw various training, diversity and other human resource initiatives. As the **GI Fellowship Coordinator** she will support our current and incoming fellows in gastroenterology and transplant hepatology. Jeannette has a Bachelors in Psychology from U-M.

Tal Kalish



Tal is currently supporting Dr. Rubenstein (newly diagnosed Barrett's Esophagus study) as a **Clinical Research Coordinator**. She obtained her Bachelor's in Nursing from Tel Aviv University and Masters in Human Genetics from Hebrew University, Jerusalem.

Joan Kellenberg



Joan joined GI from Boston University where she was researching pediatric vaccines as an infectious disease epidemiologist. Joan is currently supporting Dr. Rubenstein (newly diagnosed Barrett's Esophagus study) as a **Clinical Research Coordinator**. She has an M.S. and an M.P.H. from Boston University.

Jabeh Peabody



Jabeh was a Medical Case manager at CARES, (an AIDS service organization providing free HIV counseling/testing for those testing positive) Benton Harbor, MI. She also completed a 2 year tour with the Peace Corps in Botswana, Africa. Jabeh is currently supporting Dr. Conjeevaram (Gilead NASH study), Dr. Kang (GSK ELEVATE study) and Dr. Lok (GSK EN-ABLE study) as a **Clinical Study Coordinator**.



Recent and Upcoming Events

Proceeds will benefit the U-M Transplant Center

**What : Your Doctor will be your Waiter For
Dinner**

(...and your busboy. This is going to be good!)

When: Tuesday, June 16

**Where: Zingerman's Roadhouse, 2501 Jackson
Ave.**



Please join us on the patio at Zingerman's Roadhouse for live music and a special menu dinner featuring Chef Alex's incredible creations:

- Appetizer - Morel mushrooms and pecan pesto
- Soup - Chilled watercress and roasted heirloom pepper
- Entree - Sautéed Amish chicken and Creole shrimp scampi
- Dessert - Chocolate pate and wild berries
- Entertainment includes the Tony Ruda Jazz Trio and a live auction.
- **Your waitstaff will include Keith Aaronson, Kevin Chan, Brad Dyke, Bob Fontana, Alan Leichtman, Jorge Marrero, Millie Samaniego and more!**

**THIS EVENT WILL SELL OUT QUICKLY!
RESERVATIONS REQUIRED!**

Tickets \$85 per person. (\$65 tax deductible)

Call 734-663-FOOD to reserve your seats.

Event begins at 7PM.

U-M IBD BUSTERS participated in the CCFA Take Steps Fundraiser at Camp Dearborn, on May 17 in Milford

- **Together with your help we raised over \$1,100 for the event!!!**
- **The U-M came in 18th among over 100 participating entries**
- **Pictured below (L to R) are Jessica Funnell, Dr. Peter Higgins, Lisa Sylvest, Terry Logan, Andrace Deyampert, Seth Logan and Atanu Bhattacharya**





WIN a Mercedes R350

Recent and Upcoming Events

GREENVIEW Foundation
 2ND Annual Charity **Golf** Outing
Saturday, MAY 30
 Reddeman Farms Golf Course
 Chelsea, MI
7:30 AM Registration
8:00 AM Shotgun Start



All proceeds will go to
 assisting Hepatitis C
 Research at the
 University of Michigan

with a
Hole in One!

- To sign up go to www.hepcfund.org and look under Events for the registration form
- Hole in One - Mercedes R350
- Longest Drive - TaylorMade Burner Driver
- Closest to the Pin - Jack Nicklaus Putter
- Lots of Raffle prizes!

Signup Information

Company Contact: _____
 Phone Number / Email: _____
 Company Address:

City: _____ State: ___ Zip: _____

Team Members (\$100 per player - Tax Deductible)

1.) _____ 2.) _____

3.) _____ 4.) _____

If you have any questions, please contact Ted Annis at tannis@spamstopshere.com or call 734-426-7500

Payment Information

Please make checks payable to: Greenview Hepatitis C Fund and mail to:

Greenview Data, 8178 Jackson Road

Ann Arbor, MI 48103

or to make a payment online visit: www.hepcfund.org

Sponsorship Opportunities

___ Tournament Sponsor - \$1000

___ Cigar Stand Sponsor - \$500

___ Cart Sponsor - \$400