

Division of Gastroenterology

UC San Diego
SCHOOL OF MEDICINE

Letter from the Chief

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Dear Colleagues and Friends,

As we reach the final quarter of 2015, I would like to look back and celebrate a number of particularly important accomplishments in the Division of Gastroenterology over these last 12 months.



First, we have added to our clinical and research faculty with the hiring of eight new clinicians and researchers: Drs. Brigid Boland, John Dever, David Kunkel, Vipin Kumar, Wilson Kwong, Frederick Park, Siddharth Singh and Irine Vodkin.

We continued to increase our endoscopy services, offering our patients the convenience of outpatient endoscopy at the University Ambulatory Surgery Center near the UC San Diego campus in La Jolla and expanding the inpatient and outpatient interventional GI endoscopy services we provide at UC San Diego Health - Hillcrest.

In our education mission, we had another year of success in our fellowship programs and our T32 and non-T32 trainee programs. We also strengthened our efforts to engage internal medicine residents in digestive disease research, achieving success that has inspired other UC San Diego internal medicine subspecialty training programs to follow our lead.

We had record attendance at the 3rd Annual Advances in Gastroenterology and Hepatology Conference with Dr. Samir Gupta as course director, and we look ahead to offering the 4th annual conference this coming February, which Dr. Gupta and I will direct. Our Isenberg Lecture and Research Symposium events were also very successful, and will be offered again in 2016.

In our research, we saw healthy growth in our volume of scholarly publications and presentations as well as an increase in our total research funding over the two prior years, a very positive sign after a lean period that affected medical research programs nationally.

In May, we celebrated the beginning of Dr. Sheila Crowe's three-year term of leadership in the American Gastroenterological Association, which will culminate in the AGA Presidency. Perhaps the greatest acknowledgment of excellence that a physician in our specialty can achieve, this is a tremendous honor for Dr. Crowe and for our entire Division.

And finally, UC San Diego GI and GI Surgery were named in the top 50 GI hospitals in the country (out of more than 1,500 hospitals assessed) for the third year in a row. Since last year, our program has risen in rank from #38 to #24 nationally in the *U.S. News* "Best Hospitals" report, a very significant rise and an achievement of which we can all be extremely proud.

We have accomplished our Division's level of medical excellence and professional esteem through the dedicated efforts of every member of our clinical, investigational and administrative faculty and staff. I would like to thank everyone in our Divisional family for their contributions.

Best regards,

William Sandborn, MD
Professor and Chief, Division of Gastroenterology



New Faculty Spotlight



Welcoming Dr. Brigid Boland to the UC San Diego GI Faculty

The Division of Gastroenterology welcomes new faculty member Brigid Boland, MD, Assistant Adjunct Professor of Medicine.

With a research and clinical focus on inflammatory bowel diseases, Dr. Boland is an alumna of the UC San Francisco School of Medicine and UC San Diego's Physician-Scientist Training Pathway and Division of Gastroenterology and Advanced Inflammatory Bowel Disease fellowship programs.

She is focused on translational research in the inflammatory bowel diseases and is working to enhance clinical and basic science collaborations. With training in immunology and clinical research, she has developed methodologies for future mechanism of action and proof-of-concept trials in inflammatory bowel disease. She conducted a study validating use of gene expression biomarkers for colonic biopsy-based studies in ulcerative colitis and Crohn's disease. This work led to first author publications in *Alimentary Pharmacology and Therapeutics* and *Inflammatory Bowel Diseases*.

Her laboratory research has focused on investigating fundamental mechanisms underlying autoimmunity, immune deficiency and inflammation. This work led to a first author publication in the *Journal of Immunology*, and she contributed to work published in *Nature*.

Most recently, she received a Career Development Award from the Crohn's and Colitis Foundation of America to identify early biomarkers predicting response to vedolizumab in patients with inflammatory bowel diseases. Preliminary data from this study was reported in an oral presentation at Digestive Disease Week in 2015.

Dr. Boland is board certified in internal medicine and gastroenterology.

"I really enjoy creating long-lasting relationships with my patients with inflammatory bowel diseases, getting to know patients and their families," she says. "There is nothing more rewarding than helping treat a patient's disease and seeing my patients start feeling better."

She says her father Dr. Rick Boland (previous GI Division Chief at UC San Diego) and his passion for his work on studying hereditary colon cancer were her main inspiration for going into medicine and specializing in gastroenterology.

"I really enjoy creating long-lasting relationships with my patients with inflammatory bowel diseases, getting to know patients and their families."

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New Faculty Spotlight, continued: Dr. Brigid Boland

Dr. Boland earned her undergraduate degree at Yale University and her MD degree at UC San Francisco. Then, in UC San Diego's Physician-Scientist Training Pathway, she completed her residency in internal medicine and a research fellowship in gastroenterology. She completed a postdoctoral year in the immunology laboratory of **Dr. John Chang** and a year of advanced inflammatory bowel disease fellowship under the mentorship of **Dr. William Sandborn** focusing on the basic science and clinical practice of treating inflammatory bowel diseases.

Dr. Boland's chief personal interest is currently her family as she welcomed a baby boy, Cooper, in July 2015. Her hobbies include running, swimming, and staying active.

Selected Publications

Boland BS, Dulai PS, Chang M, Sandborn WJ, Levesque BG. Pseudomonas Meningitis During Vedolizumab Therapy for Crohn's Disease. *Am J Gastroenterol*. 2015 Nov;110(11):1631-2. doi: 10.1038/ajg.2015.326. No abstract available. PMID: 26618431.

Taniguchi K, Wu LW, Grivennikov SI, de Jong PR, Lian I, Yu FX, Wang K, Ho SB, **Boland BS**, Chang JT, Sandborn WJ, Hardiman G, Raz E, Maehara Y, Yoshimura A, Zucman-Rossi J, Guan KL, Karin M. A gp130-*Src*-YAP module links inflammation to epithelial regeneration. *Nature*. 2015 Mar 5;519(7541):57-62. doi: 10.1038/nature14228. Epub 2015 Feb 25. PMID: 25731159.

Boland BS, Widjaja CE, Banno A, Zhang B, Kim SH, Stoven S, Peterson MR, Jones MC, Su HI, Crowe SE, Bui JD, Ho SB, Okugawa Y, Goel A, Marietta EV, Khosroheidari M, Jepsen K, Aramburu J, López-Rodríguez C, Sandborn WJ, Murray JA, Harismendy O, Chang JT. Immunodeficiency and autoimmune enterocolopathy linked to NFAT5 haploinsufficiency. *J Immunol*. 2015 Mar 15;194(6):2551-60. doi: 10.4049/jimmunol.1401463. Epub 2015 Feb 9. PMID: 25667416.

Boland BS, Boyle DL, Sandborn WJ, Firestein GS, Levesque BG, Hillman J, Zhang B, Proudfoot J, Eckmann L, Ernst PB, Rivera-Nieves J, Pola S, Copur-Dahi N, Zou G, Chang JT. Validation of gene expression biomarker analysis for biopsy-based clinical trials in Crohn's disease. *Inflamm Bowel Dis*. 2015 Feb;21(2):323-30. doi: 10.1097/MIB.0000000000000264. PMID: 25545378.

Boland BS, Boyle DL, Sandborn WJ, Firestein GS, Levesque BG, Hillman J, Zhang B, Proudfoot J, Eckmann L, Ernst PB, Rivera-Nieves J, Pola S, Copur-Dahi N, Chang JT. Validated gene expression biomarker analysis for biopsy-based clinical trials in ulcerative colitis. *Aliment Pharmacol Ther*. 2014 Sep;40(5):477-85. doi: 10.1111/apt.12862. Epub 2014 Jul 13. PMID: 25041724.

Selected Presentation

Boland BS, Rivera-Nieves J, Jain A, Kirkland R, Liu X, Kondragunta V, Evans E, Levesque BG, Ernst PB, Chang JT, Singh S, Sandborn W (2015). Soluble MAdCAM-1: A Potential Biomarker for Response to Vedolizumab. Oral Presentation 535, Digestive Disease Week 2015.

New Faculty Spotlight



Welcoming Dr. Siddharth Singh to the UC San Diego GI Faculty

The Division of Gastroenterology is pleased to welcome Assistant Clinical Professor Siddharth Singh, MD, MS, to the faculty in the Inflammatory Bowel Diseases Interest Group.

Dr. Singh completed medical school at the All India Institute of Medical Sciences in New Delhi, India. He received his internal medicine training at the University of Iowa Hospitals and Clinics in Iowa City in 2011. He subsequently completed his gastroenterology fellowship as well as an advanced fellowship in inflammatory bowel diseases at the Mayo Clinic in Rochester, Minnesota.

His research interests include comparative effectiveness of strategies for diagnosis, monitoring and treatment of inflammatory bowel diseases and other gastrointestinal conditions. He is also interested in harnessing 'big data' for improving clinical care and patient-centered

research, and he is pursuing an NIH-funded fellowship in clinical informatics in the Division of Biomedical Informatics at UC San Diego.

Dr. Singh has published over 60 research articles in leading peer-reviewed journals including *Gastroenterology*, *Hepatology* and *Gut*. He also serves on the editorial board of *Alimentary Pharmacology & Therapeutics* and has been recognized as a top reviewer for the *American Journal of Gastroenterology* and *Clinical Gastroenterology and Hepatology*.

During his fellowship, Dr. Singh was the recipient of the J. Arnold Bargen Award for excellence in research by a gastroenterology fellow and also the William H. J. Summerskill Award from the Department of Medicine for outstanding research during fellowship.

Dr. Singh is an active member of the American Gastroenterological Association (AGA), American College of Gastroenterology (ACG) and Crohn's & Colitis Foundation of America (CCFA), and serves on the Clinical Guidelines Committee at the AGA. He is board-certified in internal medicine and gastroenterology.

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New Faculty Spotlight, continued: Dr. Siddharth Singh

commitment to the community, groundbreaking research and inspired teaching – resonates with my personal goal,” says Dr. Singh.

Outside of work, Dr. Singh loves spending time with his wife and their 2-year old son, trying exotic cuisine and watching cricket.

Key Publications

Singh S, Garg SK, Pardi DS, Wang Z, Murad MH, Loftus EV. Comparative Efficacy of Post-operative Prophylaxis after Surgical Resection in Crohn’s Disease: A Systematic Review and Network Meta-analysis. *Gastroenterology* 2015;148:64-76 .

Singh S, Murad MH, Chandar AK, Bongiorno CM, Singal AK, Atkinson S, Thursz M, Loomba R, Shah VH. Comparative effectiveness of pharmacological strategies for management of severe alcoholic hepatitis. *Gastroenterology* 2015;149:958-70.

Singh S, Khera R, Allen AM, Murad MH, Loomba R. Comparative Effectiveness of Pharmacological Interventions for Non-alcoholic Steatohepatitis: A Systematic Review and Network Meta-analysis. *Hepatology* 2015;62:1417-32.

Singh S, Garg SK, Singh P, Iyer PG, El-Serag HB. Acid-suppressive Medications and Risk of Esophageal Adenocarcinoma in Patients with Barrett’s Esophagus: A Systematic Review and Meta-analysis. *Gut* 2014;63:1229-37.

Singh S, Singh P, Singh AG, Murad MH, Sanchez W. Statins are associated with reduced risk of Hepatocellular Cancer: A Systematic Review and Meta-analysis. *Gastroenterology* 2013;144:323-332.

Keep in Touch

Faculty, Fellows and Alumni:

Join us on Facebook by logging into your Facebook account and typing in the search menu "UCSD Gastroenterology Fellows and Alumni" and click "ask to join."

You can also go to <http://www.facebook.com/groups/114277778649025>

A great way for alumni to keep in touch with the GI fellows and a way for fellows to contact alumni. Includes interesting links, photos of the fellows, faculty and alumni, and division and fellowship events.

Research Spotlight

UC San Diego Gastroenterology Researchers Addressing Cancer Disparities

By Drs. Samir Gupta and Sheila Crowe

UC San Diego Gastroenterology Division faculty members are an integral part of a unique collaborative partnership between UC San Diego Health's Moores Cancer Center, San Diego State University and local community health centers focused on addressing cancer disparities, including colorectal cancer.



The National Institutes of Health's National Cancer Institute (NCI) has awarded UC San Diego Health's Moores Cancer Center (MCC) and San Diego State University (SDSU) a grant to renew support for the SDSU/UCSD Comprehensive Cancer Center Partnership. The five-year grant is part of NCI's Comprehensive Partnerships for the Advancement of Health Equity (CPACHE), headed by the Center to Reduce Cancer Health Disparities. This unique initiative was created by the NCI to develop partnerships between minority-serving institutions and NCI-designated cancer centers. The total federal award to UC San Diego is over \$6.5 million (2U54CA132379-06A1, 2U54CA132384), with a similar amount awarded to SDSU.

The partnership is jointly led by two principal investigators (PIs) from each institution: Elena Martinez, PhD (UC San Diego lead PI), **Sheila Crowe, MD** (UC San Diego PI, pictured above), Elva Arredondo, PhD (SDSU lead PI) and Mark Sussman, PhD (SDSU PI). The partnership has outstanding institutional commitment from SDSU, Moores Cancer Center and UC San Diego School of Medicine. Future work will be guided by a stellar group of external advisors and an outstanding internal advisory committee. By combining talents, expertise and resources from SDSU and UC San Diego, the partnership will continue to provide unique, significant and impactful programs in cancer research, research education and community outreach.



Notably, UC San Diego's Division of Gastroenterology is heavily represented through Dr. Crowe, as well as **Dr. Samir Gupta**, pictured at left, who serves as both co-leader of the partnership's Community Outreach Core and PI for a randomized trial included in the partnership. Further, colorectal cancer is a major focus of multiple research projects and cancer prevention initiatives within the initiative.

The overarching goal of the SDSU/UC San Diego partnership is to reduce the burden of cancer among Hispanic/Latino communities in San Diego and Imperial counties. The new award supports three main areas under one umbrella:

Research Spotlight, continued: Addressing Cancer Disparities

1. State-of-the art research aimed at developing cancer research capacity at SDSU and enhancing cancer disparities research at UC San Diego.
2. Research education programs in cancer and cancer disparities for promising undergraduate students from underrepresented groups.
3. Active and sustainable collaborations amongst community partners, researchers and students.

Throughout the five years of the grant, the partnership will support approximately 30 research projects jointly led by SDSU and UC San Diego investigators and will provide research education opportunities to undergraduate students from both institutions. Close partnership with federally qualified community health centers that care for large populations of traditionally underserved Hispanic/Latinos is an innovative focus of the effort, including a research partnership with San Ysidro Health Centers, Inc., and a community outreach program partnership with Family Health Centers of San Diego.

“There are needs not being addressed in cancer education, prevention and care among Hispanics,” said Maria Elena Martinez, PhD, UC San Diego School of Medicine Professor of Family Medicine and Public Health and Moores Cancer Center’s principal investigator on the SDSU/UC San Diego cancer partnership.

“This partnership helps to reduce disparities by taking a comprehensive approach with the help of 29 community partners representing stakeholders in the Hispanic community in San Diego and Imperial counties.”

Hispanics have the highest rates for certain types of leukemia as well as cancers associated with infection, such as liver, stomach and cervical. Although Hispanics are less likely to develop the most common forms of cancers than non-Hispanic whites, such as breast, colon and prostate, they are more likely to be diagnosed with advanced stages of these cancers and less likely to survive after diagnosis. This is due in part to lower than average health screenings.

“The partnership will provide an opportunity for investigators from various levels to conduct innovative research which will strengthen the cancer research agenda at SDSU and UC San Diego,” said Elva Arredondo, PhD, San Diego State University associate professor in the Graduate School of Public Health.

“The grant will build on existing community partnerships and link SDSU and UC San Diego with new community organizations. These efforts will help address cancer disparities evident among racial/ethnic groups, including Hispanic communities.”

As an official Hispanic Serving Institution, a designation of the federal government that means the university is eligible for extra resources to expand educational opportunities for and improve the attainment of Hispanic students, San Diego State University has strong ties to the Hispanic community. Together with Moores Cancer Center, an NCI-designated Comprehensive Cancer Center with world-renowned research, the two institutions can achieve much more than either can on their own, said Martinez.

Program Highlight

Interventional GI Endoscopy Expansion at UC San Diego Health – Hillcrest

By Drs. Thomas Savides and Wilson Kwong

The UC San Diego Division of Gastroenterology is excited to announce the expansion of its interventional gastrointestinal endoscopy services at UC San Diego Medical Center in Hillcrest that



will complement and expand services currently only available at UC San Diego Medical Center in La Jolla.

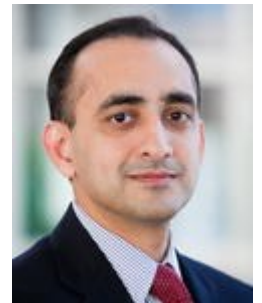
Dr. Wilson Kwong, left, who was recently recruited to UC San Diego after completing his gastroenterology fellowship and advanced endoscopy fellowship training at UC San Diego followed by four additional months training in pancreatology at Mayo Clinic Rochester with their renowned pancreatology group, will lead the Hillcrest expansion.



Dr. Kwong, as well as **Dr. Abbas Fehmi** (right) and **Dr. Thomas Savides** (below left), will provide weekday daytime coverage for interventional endoscopy procedures on inpatients at UC San Diego Medical Center in Hillcrest, and also will allow for a more convenient endoscopy location for outpatients coming from the southern and eastern parts of the county.



The expansion includes the addition of state-of-the-art interventional endoscopy equipment including therapeutic endoscopic ultrasound and direct cholangioscopy. This new expansion will allow UC San Diego Health to provide the highest quality of gastroenterology care in an expedited manner to minimize wait times for patients needing highly specialized procedures not available at most hospitals. These procedures will especially benefit patients with pancreatobiliary diseases, complicated gastrointestinal bleeding and cancers of the esophagus, stomach and colon.



Dr. Kwong will also develop UC San Diego Medical Center in Hillcrest as a referral center for complex benign pancreatic disorders including acute and chronic pancreatitis, autoimmune pancreatitis, hereditary pancreatitis and complex pancreatic cystic lesions.

The UC San Diego Interventional GI Endoscopy group will continue to partner with our internal and outside referring physicians to provide the highest quality and timely care for challenging patients referred from throughout Southern California.

Events

2015 Update: Women GI Clinicians and the UC San Diego Gastroenterology Division

By Sheila Crowe, MD

Female gastroenterologists and hepatologists continue to make up a substantial portion of the faculty and fellows in the Division of Gastroenterology at UC San Diego. This group enjoys get-togethers outside of work on a regular basis (see photograph below). The female faculty comprises specialists in hepatology (**Yuko Kono, Irine Vodkin**), interventional endoscopy (**Denise Kalmaz, Mary Lee Krinsky**), general GI (**Nedret Copur-Dahi**), inflammatory bowel disease (**Brigid Boland**) and celiac disease (**Sheila Crowe**).



Getting together at the Crowe-Ernst home in August 2015. Back row from left to right: Nanae Takatori, Katherine Shaffer, Evelyn Marquez-Mello, Irine Vodkin, Anna Veerappan, Heather Patton. Front row: Denise Kalmaz, Yuko Kono, Brigid Boland and baby Cooper, Sheila Crowe, Melanie Green, Mamie Dong with baby Sienna, and Thuy-Anh Le. Unable to attend: Nedret Copur-Dahi, Mary Lee Krinsky, Shireena Desai and Laura Pace.

(Continued on page 10)

Events – 2015 Update – Women GI Clinicians, continued

Of the group of 12 fellows this academic year, four are women, including first-year fellows **Katherine Shaffer** and **Nanae Takatori** and upper level fellows **Anna Veerappan** and **Melanie Green**.

Evelyn Marquez-Mello is a fourth-year research fellow who completed her GI fellowship at Washington University and is currently supported by the UC San Diego NIH T32 grant.

Laura Pace is also a fourth-year T32 research fellow.

Irine Vodkin recently graduated from our fellowship program and **Brigid Boland** completed an advanced IBD training year; both have joined the UCSD GI faculty.

Shireena Desai graduated in June 2015 and is now working at Kaiser in Orange County.

The group also includes alumni of the fellowship program and faculty of UC San Diego: **Mamie Dong** and **Heather Patton** are working at Kaiser in San Diego and **Thuy Anh Le** is now back in San Diego working at Sharp.

Ninth Annual GI Division Research Symposium



The Division of Gastroenterology Ninth Annual Research Symposium was held September 11, 2015, at UC San Diego on the topic, “Precision Gastroenterology: New Approaches to Define, Study and Manage the Microbiota and Immune-Mediated Diseases.”

The goal of the symposium was to use clinical scenarios from luminal disease in gastroenterology to illustrate the complexity of disease conditions and how approaches in precision medicine can be applied to improve the stratification of patient phenotype.

Precision medicine utilizes a patient’s biological profile to stratify complex and heterogeneous diseases to facilitate evidence-based medicine and improve decision making that improves outcomes.

The program included UC San Diego faculty members as well as visiting speakers from other United States and Canada institutions. To see the complete list of program speakers and topics, visit this page in the Research section of the Division of Gastroenterology website:

<http://gastro.ucsd.edu/research/Pages/res-symposium-2015.aspx>

Events – Upcoming

Save the Dates

February 6, 2016

**4th Annual Advances in Gastroenterology
and Hepatology Conference:
What's New in Gastroenterology and Hepatology?**

Course directors Samir Gupta, MD, MSCS, and William J. Sandborn, MD

Hyatt Regency La Jolla at Aventine

Registration and Continental Breakfast: 7:00 a.m.

Welcome and Introductions: 7:30 a.m.

Presentations: 7:35 a.m. – 4:30 p.m.

Details: <https://cme.ucsd.edu/gi/>

March 23, 2016

Endowed Jon I. Isenberg Lecture

Presented by

Richard M. Peek, Jr., MD

Vanderbilt University School of Medicine

Medical Education and Telemedicine Building Auditorium

UC San Diego School of Medicine Campus

"Meet and Greet:" 6 – 6:30 p.m.

Lecture: 6:30 – 7:30 p.m.

June 17, 2016

**Annual UC San Diego
Division of Gastroenterology Research Symposium
Dietary Effects on Gut Signaling: Diet, Microbiome, and GI Diseases**

Medical Education and Telemedicine Building Auditorium

UC San Diego School of Medicine Campus

1:00 – 5:30 p.m.

Reception and light refreshments to follow

Details: <http://gastro.ucsd.edu/research/Pages/res-symposium-2016.aspx>

Scientific Achievements

Awards and Honors

Individual Honors



Intercept Pharma has endowed a two-year fellowship for a young hepatologist in Emeritus Professor **Dr. Alan Hofmann's** name.

The Alan Hofmann Clinical and Translational Research Award in Liver Diseases is made possible through an independent grant from Intercept Pharmaceuticals and donors to The American Association for the Study of Liver Diseases (AASLD) Liver Research Fund.



Dr. Thomas Savides was named in *San Diego Magazine* as one of the "Top Doctors" in Gastroenterology based on survey of members of the San Diego County Medical Society.

The "Top Doctors" list was announced in October 2015.

Grants Awarded

Dr. Yuko Kono

CIP Pilot Grant (Co P.I. Claude Sirlin & **Yuko Kono**)

8/1/2015 - 7/31/2016.

Role: Co-PI

Title: Abbreviated MRI vs. Standard Ultrasonography for HCC Surveillance in Cirrhosis

NIH CA186566 (P.I. Manal Hassan, MD Anderson Cancer Center)

4/10/2015 – 3/31/2020

Role: Site PI

Title: Genome-Wide Association Study in Hepatocellular Carcinoma

NIH: 1R01CA194307 (PI John Eisenvrey, Thomas Jefferson University)

1/1/2016-12/31/2021

Role: Site PI

Title: 2D and 4D Contrast-Enhanced Ultrasound Evaluation of Hepatocellular Carcinoma Chemoembolization

Scientific Achievements, continued

Division Publications

Dr. Pradipta Ghosh

Lopez-Sanchez I, Ma GS, Pedram S, Kalogiropoulos N, **Ghosh P**. GIV/girdin binds exocyst subunit-Exo70 and regulates exocytosis of GLUT4 storage vesicles. *Biochem Biophys Res Commun*. 2015 Oct 26. pii: S0006-291X(15)30811-1. doi: 10.1016/j.bbrc.2015.10.111. [Epub ahead of print] PMID:26514725

Lopez-Sanchez I, Kalogiropoulos N, Lo IC, Kabir F, Midde K, Wang H, **Ghosh P**. Focal Adhesions are Foci for Tyrosine-Based Signal Transduction via GIV/Girdin and G proteins. *Mol Biol Cell*. 2015 Oct 7. pii: mbc.E15-07-0496. [Epub ahead of print] PMID:26446841

Ma GS, Lopez-Sanchez I, Aznar N, Kalogiropoulos N, Pedram S, Midde K, Ciaraldi TP, Henry RR, **Ghosh P**. Activation of G proteins by GIV-GEF is a Pivot Point for Insulin Resistance and Sensitivity. *Mol Biol Cell*. 2015 Sep 16. pii: mbc.E15-08-0553. [Epub ahead of print] PMID:26378251

Bhandari D, Lopez-Sanchez I, To A, Lo IC, Aznar N, Leyme A, Gupta V, Niesman I, Maddox AL, Garcia-Marcos M, Farquhar MG, **Ghosh P**. Cyclin-dependent kinase 5 activates guanine nucleotide exchange factor GIV/Girdin to orchestrate migration-proliferation dichotomy. *Proc Natl Acad Sci U S A*. 2015 Sep 1;112(35):E4874-83. doi: 10.1073/pnas.1514157112. Epub 2015 Aug 18. PMID:26286990

Ghosh P. Heterotrimeric G proteins as emerging targets for network based therapy in cancer: End of a long futile campaign striking heads of a Hydra. *Aging (Albany NY)*. 2015 Jul;7(7):469-74. PMID: 26224586

Dr. Alexander Kuo

Sulkowski MS, Vargas HE, Di Bisceglie AM, **Kuo A**, Reddy KR, Lim JK, Morelli G, Darling JM, Feld JJ, Brown RS, Frazier LM, Stewart TG, Fried MW, Nelson DR, and Jacobson IM for the HCV-TARGET Study Group. Effectiveness of Simeprevir

plus Sofosbuvir, With or Without Ribavirin, in Real-World Patients with HCV Genotype 1 Infection. *Gastroenterology*. 2015 Oct 21. pii: S0016-5085(15)01507-3. doi: 10.1053/j.gastro.2015.10.013.

Brown Jr. R, O'Leary J, Reddy R, **Kuo A**, Morelli, G, Burton Jr. J, Stravitz RT, Durand C, Di Bisceglie A, Kwo P, Frenette C, Stewart T, Fried M, Nelson D, Terrault N. Interferon-free Therapy for Genotype 1 Hepatitis C in Liver Transplant Recipients: Real World Experience from HCV-TARGET. *Liver Transpl* 2015 Oct 31. doi: 10.1002/lt.24366

Dr. Fred Park

Fox RG*, **Park FD***, Koechlein CS, Kritzik M, Reya T. "Musashi Signaling in Stem Cells and Cancer." *Annual Review of Cell and Developmental Biology* 2015;31:249-67. [*Co-first author]

Dr. William Sandborn

Rutgeerts P, Feagan BG, Marano CW, Padgett L, Strauss R, Johans J, Adedokun OJ, Guzzo C, Zhang H, Colombel JF, Reinisch W, Gibson PR, **Sandborn WJ**. Randomised clinical trial: a placebo-controlled study of intravenous golimumab induction therapy for ulcerative colitis. *Alimentary Pharmacology and Therapeutics* 2015; 42: 504-514.

Feagan BG, **Sandborn WJ**, D'Haens G, Lee SD, Allez M, Fedorak RN, Seidler U, Vermeire S, Lawrance IC, Maroney AC, Jurgensen CH, Heath A, Chang DJ. Randomised clinical trial: vécirnon, an oral CCR9 antagonist vs. placebo as induction therapy in active Crohn's disease. *Alimentary Pharmacology and Therapeutics* 2015;42:1170-81.

Jairath V, Khanna R, Zhou GY, Stitt L, Mosli M, Vandervoort MK, D'Haens G, **Sandborn WJ**, Feagan BG, Levesque BG. Development of interim patient-reported outcome measures for the assessment of ulcerative colitis disease activity in clinical trials. *Alimentary Pharmacology*

and Therapeutics 2015;42:1200-1210.

Rubin DT, **Sandborn WJ**, Bosworth B, Zakko S, Gordon GL, Sale ME, Rolleri RL, Golden PL, Barrett AC, Bortey E, Forbes WP. Budesonide foam has a favorable safety profile for inducing remission in mild-to-moderate ulcerative proctitis or proctosigmoiditis. *Digestive Diseases and Sciences* 2015;60:3408-3417.

Jharap B, **Sandborn WJ**, Reinisch W, D'Haens G, Robinson AM, Wang W, Huang B, Lazar A, Thakkar RB, Colombe JF. Randomised clinical study: discrepancies between patient-reported outcomes and endoscopic appearance in moderate to severe ulcerative colitis. *Alimentary Pharmacology and Therapeutics* 2015;42:1082-1092.

Peyrin-Biroulet L, **Sandborn W**, Sands BE, Reinisch W, Bemelman W, Bryant RV, D'Haens G, Dotan I, Dubinsky M, Feagan B, Fiorino G, Geary R, Krishnareddy S, Lakatos PL, Loftus EV, Marteau P, Munkholm P, Murdoch TB, Ordás I, Panaccione R, Riddell R, Ruel J, Rubin DT, Samaan M, Siegel CA, Silverberg MS, Stoker J, Schreiber S, Travis S, Van Assche G, Danese S, Panes J, Bouguen G, O'Donnell S, Pariente B, Winer S, Hanauer S, Colombel JF. Selecting therapeutic targets in inflammatory bowel disease (STRIDE): determining therapeutic goals for treat-to-target. *American Journal of Gastroenterology* 2015;110:1324-38.

Singh S, Ding NS, Mathis KL, Dulai PS, Farrell AM, Pemberton JH, Hart AL, **Sandborn WJ**, Loftus EV. Systematic review with meta-analysis: faecal diversion for management of perianal Crohn's disease. *Alimentary Pharmacology and Therapeutics* 2015;42:783-792.

Lichtenstein GR, Travis S, Danese S, D'Haens G, Moro L, Jones R, Huang M, Ballard ED, Bagin R, Hardiman Y, Collazo R, **Sandborn WJ**. Budesonide MMX for the induction of remission of mild to moderate ulcerative colitis: a pooled safety analysis. *Journal of Crohn's and Colitis* 2015;9:738-746.

Division Publications, continued

Dr. William Sandborn, continued

Travis SP, Schnell D, Feagan BG, Abreu MT, Altman DG, Hanauer SB, Krzeski P, Lichtenstein GR, Marteau PR, Mary JY, Reinisch W, Sands BE, Schnell P, Yacyshyn BR, Colombel JF, Bernhardt CA, **Sandborn WJ**. The impact of clinical information on the assessment of endoscopic activity: characteristics of the Ulcerative Colitis Endoscopic Index of Severity (UCEIS). *Journal of Crohn's and Colitis* 2015;9:607-616.

Danese S, Fiorino G, Mary JY, Lakatos PL, D'Haens G, Moja L, D'Hoore A, Panes J, Reinisch W, **Sandborn WJ**, Travis SP, Vermeire S, Peyrin-Biroulet L, Colombel JF. Development of red flags index for early referral of adults with symptoms and signs suggestive of Crohn's disease: an IOIBD initiative. *Journal of Crohn's and Colitis* 2015;9:601-606.

Vande Casteele N, Khanna R, Levesque BG, Stitt L, Zou GY, Singh S, Lockton S, Hauenstein S, Ohrmund L, Greenberg GR, Rutgeerts PJ, Gils A, **Sandborn WJ**, Vermeire S, Feagan BG. The relationship between infliximab concentrations, antibodies to infliximab and disease activity in Crohn's disease. *Gut* 2015;64:1539-1545.

Gottlieb K, Travis S, Feagan B, Hussein F, **Sandborn WJ**, Rutgeerts P. Central

reading of endoscopy endpoints in inflammatory bowel disease trials. *Inflammatory Bowel Diseases* 2015;21:2475-2482.

Lichtenstein GR, Hanauer SB, **Sandborn WJ**. Emerging treatment options in mild to moderate ulcerative colitis. *Gastroenterol Hepatol (N Y)* 2015;11(3 Suppl 1):1-16.

Dr. Thomas Savides

Lawson RD, Hunt GC, Giap AQ, Krinsky ML, Slezak J, Tang RS, Gonzalez I, Kwong WT, Fehmi SA, **Savides TJ**. Pancreatic cysts suspected to be branch duct intraductal papillary mucinous neoplasm without concerning features have low risk for development of pancreatic cancer. *Ann Gastroenterol*. 2015 Oct-Dec;28(4):487-94. PMID: 26423829

Yee B, Chi NW, Hansen LA, Lee RR, U HS, **Savides TJ**, Vinetz JM. Strongyloides stercoralis Hyperinfection Syndrome Presenting as Severe, Recurrent Gastrointestinal Bleeding. Leading to a Diagnosis of Cushing Disease. *Am J Trop Med Hyg*. 2015 Oct 7;93(4):822-7. doi: 10.4269/ajtmh.15-0355. Epub 2015 Jul 20. PMID: 26195463

Dr. Bernd Schnabl

Chen P, Miyamoto Y, Mazagova M, Lee K, Eckmann L, **Schnabl B**. Microbiota

protects mice against acute alcohol-induced liver injury. *Alcohol Clin Exp Res*. 2015; in press.

Schnabl B, Farshchi-Heydari S, Loomba R, Mattrey RF, Hoh CK, Sirlin CB, Brenner DA, Behling C, Vera DR. Staging of Fibrosis in Experimental Non-Alcoholic Steatohepatitis by Quantitative Molecular Imaging in Rat Models. *Nuclear Medicine and Biology*. 2015; accepted.

Bernardi M, Moreau R, Angeli P, **Schnabl B**, Arroyo V. Mechanisms of decompensation and organ failure in cirrhosis: from peripheral arterial vasodilation to systemic inflammation hypothesis. *J Hepatol*. 2015; 63(5):1272-84.

Brenner DA, Paik YH, **Schnabl B**. Role of gut microbiota in liver disease. *J Clin Gastroenterol*. 2015; 49 Suppl 1:S25-7

Dr. Katherine M. Shaffer

Shaffer KM, Parikh MR, Runge TM, Perez SD, Sakaria SS, Subramanian RM. Renal safety of intravenous gadolinium-enhanced magnetic resonance imaging in patients awaiting liver transplantation. *Liver Transpl*. 2015 Nov;21(11):1340-6. doi: 10.1002/lt.24118. PMID: 25786913

Abstracts and Presentations

American Association for the Study of Liver Diseases (AASLD) - The Liver Meeting® 2015

Jeffrey E. Edwards, Carl LaCerte, Thomas Peyret, Nathalie H. Gosselin, JF Marier, **Alan F. Hofmann** and David Shapiro. Understanding the Relationship between Systemic and Hepatic Exposure of Obeticholic Acid for the Treatment of Liver Disease in Patients with Cirrhosis.

Radiological Society of North America (RSNA) Annual Meeting

Kono Y, chair, Lyshchik A, Cosgrove DO, Dietrich C, Jang HJ, Kim TK, Piscaglia F, Willmann J, Wilson SR. Incorporation of CEUS into LI-RADS for Diagnosis of HCC: a Work in Progress. RSNA annual meeting Chicago, December 2015.

Cynthia S Santillan, An Tang, Kathryn Fowler, Jay Heiken, Thomas Hope, Isabel Newton, Alexander Kagen, Mustafa Bashir, Avinash Kambadakone, Donald Mitchell, Amol Shah, Richard KG Do, Ania Kielar, Aya Kamaya, **Yuko Kono**, Claude B Sirlin. LI-RADS v2014 - Application and Future Directions. RSNA annual meeting Chicago, December 2015.

Aya Kamaya, Sheena G Prakash, Maryellen R Sun, Katherine E Maturen, Nirvikar Dahiya, Terry S Desser, Ashish P Wasnik, Tara Morgan, **Yuko Kono**, Alison Harris, R Brooke Jeffrey, Claude Sirlin. Ultrasound LI-RADS - recommendations for sonographic screening and surveillance of hepatocellular carcinoma: Initial proposal. RSNA annual meeting Chicago, December 2015.

Invited Speaker at Academic Institutions

Drs. Kim Barrett, Sheila Crowe and **Peter Ernst** served as invited faculty in the 2015 International Conference on Ulcer Research in Ottawa, Canada, October 1-4, 2015.

Dr. Sheila Crowe presented four invited lectures on celiac disease, RCD and various enteropathies in an international course on intestinal disorders (Curso Internacional de Intestino Delgado) and the tenth Latin American Capsule Endoscopy and Enteroscopy meeting (Xth Encuentro Latinoamericano de Capsula Endoscopica y Enteroscopia) held in Cartagena, Colombia, November 19-21, 2015.

Planning Ahead

Making the Most of Your Charitable Gifts

Here are just a few options on how you can support UC San Diego Division of Gastroenterology:

Option 1

The simplest way to donate is a **gift of cash** (including checks and credit cards). Remember: if you itemize, you may be able to receive a charitable deduction for 2015 for your gifts received on or before December 31.

You may contribute directly to UC San Diego GI by visiting our website at <http://www.gastro.ucsd.edu> and clicking on the ABOUT tab and choosing "Support Our Work" on the left-hand column.

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A gift of **appreciated securities** also offers an attractive opportunity to support the Division of Gastroenterology. By contributing appreciated securities that you have held longer than 12 months, you will receive a charitable income tax deduction, in most cases for their full fair market value, and avoid any capital gains tax liability.

It is important to remember that your securities must be transferred to the UC San Diego Foundation by December 31 for the 2015 tax year.



Division of Gastroenterology Mission Statement



Organization Statement

The UC San Diego GI Division will provide the best clinical care to those afflicted with gastrointestinal and liver diseases, investigate at the clinical and basic levels the best way to improve those diseases, and educate trainees on how to best approach the care of patients with those diseases. The UC San Diego GI Division will strive to be nationally recognized through its faculty as well as innovations that will improve the care of patients with gastrointestinal and liver diseases nationwide.

History

The UC San Diego GI Division was founded in 1970 by Henry Wheeler, MD, who served as its first division chief. Later, Jon I. Isenberg, MD, led the division from 1979 to 1993, followed by C. Richard Boland, MD, from 1995 to 2003, John M. Carethers, MD, from 2004 - 2009 and William J. Sandborn from 2011-present.

The GI Fellowship Training Program commenced in 1974 and the NIH Training Grant was initially funded in 1976. The division has trained several local gastroenterologists in San Diego, as well as developed several academicians at University-based medical schools, including some with leadership and administrative positions.

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UC San Diego GI Clinical Referral

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Hepatology	619-543-6303
Interventional	
Endoscopy	858-657-6882
Motility	619-543-6834
IBD	858-657-8787
Celiac	619-543-2347

Our Fellows are an important part of the Division of Gastroenterology. They are a very bright and talented group who work extremely hard at their research and clinical work. Their dedication to their field in turn is an excellent representation of this Institution and beyond.

To assist our Fellows, the Division of Gastroenterology has implemented the Fellowship Education Fund to support their Fellowship education. These funds go directly to support our Fellows in their education during their course of their tenure at UCSD. There are currently little or no funds to support such endeavors, and the Division is appealing to you as a former Fellow, former Faculty or an affiliated physician with UCSD to consider contributing with a tax-free donation to the Fellowship Education Fund.

Please complete the information below, and mail your donation to the address listed below. We will also send you a receipt for tax purposes. On behalf of our fellows we thank you for your support.

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