CGA-IGC Newsletter
Quarterly release: Q2

1. Call for abstracts

Abstract submission is now open for the 2019 CGA Annual meeting. Abstract submission closes on Friday, July 12 at 11:59 PM EST so make sure to submit now. All abstracts will be published in Familial Cancer!

2. Save the Date!

It's never too early to save the date! The 23rd annual meeting of CGA-IGC will be held on November 3-5, 2019 at Hilton Salt Lake City Center, Salt Lake City, Utah. Beyond being a gateway to The Greatest Snow On Earth, home to the 2002 Winter Olympic Games, and being the base camp for more than 6 national parks within driving distance, Salt Lake is a burgeoning urban city complete with top-shelf dining, best-of off-Broadway plays and arts, and more. It's a heavenly family fun destination in the Rocky Mountains. Hilton Salt Lake City is centrally located and close to downtown dining, shopping and Salt Lake City winter activities. You could discover your genealogy at the Family History Library or visit the mighty five iconic national parks.

A sneak peak of meeting content includes:

- Gene specific management of Lynch syndrome with Dr. Sapna Syngal
- PMS2 associated cancer risk and counseling considerations with Dr. Sisi Haraldsdottir, Heather Hampel, Dr. Pål Møller, Dr. Aung Ko Win, and Jessica Stoll
- Haploinsufficiency, altered microbiome and immune deficiency in hereditary cancer risk with Dr. Ian Frayling, Dr. Ann Ager, and Dr. Cynthia Sears
- Surgical approach to hereditary GI cancers with Dr. Paul Wise

3. Hereditary GI Clinic Directory

CGA is compiling a directory of Hereditary GI Clinics and the clinicians who staff them. If you have not yet completed the brief survey and would like to be included in the directory, click here.
https://www.surveymonkey.com/r/CGAIGCClinicalDirectory

4. Call for nominations

CGA is looking for members who are interested in volunteering on one of our 4 committees (meeting planning, membership/communications, education, and research) or in being a council member! Members join either a committee for a 2- or 3-year term or council for a 3-

year term. Nominations (for yourself or another CGA member that you feel would make a great leader) will take place in July for council and committees so keep an eye out for the email!

5. Faces in the crowd with Allison Burton-Chase

Although much of CGA-IGC focuses on basic science and clinic research in hereditary GI cancers, our well-rounded organization also includes behavioral science research. Allison Burton-Chase, PhD, is an assistant professor in Behavioral Medicine at Albany College of Pharmacy and Health Sciences, and has been a member of CGA-IGC since 2010. She specializes in research on the behavioral aspects of cancer prevention and survivorship in families with cancer predisposition syndromes, in particular Lynch syndrome; you'll often find her presenting her research at the CGA-IGC annual meeting. Get to know her with a short Q&A:

Q) Why did you become a member of CGA?
A) My post-doctoral mentor at MD Anderson, Dr. Susan Peterson, is the person who first introduced me to CGA. I had recently begun working with her on her LS-related projects and had some data on attitudes towards screening that were ready to be presented at a conference. She suggested I submit the abstract to CGA, which was in Dallas that year. When I presented my poster, I was impressed with the quality of my interactions with other conference attendees and I also really enjoyed being at a meeting that was relatively small compared to others I attended. The sessions felt like a true education on the most up-to-date information on Lynch syndrome. After that first meeting, I became a member and have continued to go to the meetings and participate in the organization. I still find it every bit as valuable today as I did at that first meeting.

Q) What did you enjoy most at the CGA annual meeting in San Diego?
A) As my involvement with CGA has evolved and I have been part of the organization longer and longer, one of the things I look forward to the most every year is getting caught up with friends and colleagues. Once I completed my post-doc at MD Anderson, I became a faculty member at a small, private college. While there are many aspects of my job that I love, I truly miss being surrounded by other hereditary cancer clinicians and researchers on a daily basis. Attending the annual meeting gives me the chance to have that experience while also getting up-to-date on current research and clinical practice for patients with LS.

Q) How do you think your membership in CGA benefits your practice/research?
A) My CGA membership and the attendance at the meetings is vital to my research program. Since I am not a clinician and not at a comprehensive cancer center, my membership in CGA is how I stay informed and involved in the LS community. Through my involvement with CGA, I have met collaborators, colleagues, and friends and have developed relationships with patient advocacy organizations, such as Alive 'n Kickn and Lynch Syndrome International, which have become valuable partners in my research projects.

Q) How do you like to spend your time outside of clinic?

A) My son, Owen, is now 20 months old, so he and my husband, Chris, are the people with whom I spend the vast majority of my non-work time. We spend as much time outside during non-winter months as possible and regularly travel as a family. This summer we are going to Europe for 2 weeks and have some weekend trips planned with friends. My current position is in a traditional academic setting, which means that I have a 9.5-month appointment, so we take full advantage of my relaxed summer schedule to spend time together as a family. We also enjoy spending a lot of time with our friends and try to do that as often as possible. In terms of personal hobbies, reading for pleasure is something I have always enjoyed, and I try to do that for at least 30 minutes every day.

6. Education committee update

Season Two CGA-IGC Podcast Series Debuts
The first episode of season two of our podcast series "Expert Approach to Hereditary Gastrointestinal Cancers" is now available for FREE on iTunes, TuneIn, and more! The second season will focus on extra-colonic features of FAP. The first episode explores gastric polyps and cancer. To access the series, https://cga-igc.podomatic.com/ or do an internet search for "**CGAIGC Podcast.**" Stay tuned for more new episodes each month!

Final Episode of Season One of CGA-IGC Webinar series- Coming Soon!
Wednesday, June 12: Early-Onset Colorectal Cancer with Elena Stoffel, MD

This is FREE to CGA-IGC members and genetic counselors can earn CEUs for $25. You can register for the series here if you haven't already done so.

Stay tuned for more information about new webinars later in the year!

Monthly Journal Scans – Stay Up to Date!
The monthly journal scan created by the Education Committee is a valuable resource and will save you time and keep you current. To access the monthly journal scan, Journal Scans | CGA-IGC (cgaigc-members.com)

7. Research committee update

Highlighted CGA Member Publication:

Outcomes of Endoscopic Surveillance in Individuals With Genetic Predisposition to Hereditary Diffuse Gastric Cancer.
Jacobs MF, Dust H, Koeppe E, Wong S, Mulholland M, Choi EY, Appelman H, Stoffel EM. Gastroenterology. 2019 Mar 29. [Epub ahead of print] PMID:30935944

The reported high incidence of diffuse gastric cancer (DGC) and limited sensitivity of endoscopy have prompted recommendation for total prophylactic gastrectomy for carriers of pathogenic germline *CDH1* variants. However, multigene panel genetic testing is identifying increasing

numbers of *CDH1* carriers with no family history of DGC and optimal management of these particular individuals is controversial. We evaluated outcomes of endoscopic esophagogastroduodenoscopy exams, histopathology specimens, and surgeries in 20 individuals with germline pathogenic/likely pathogenic *CDH1* variants. No subjects had abnormal findings visible on endoscopy, however on pathology review of random mucosal biopsies, signet ring cell carcinoma (SRCC) was detected in 12/20 subjects. All but one of the carcinomas were tiny and confined to the lamina propria, and one was transmurally invasive. 7/12 subjects who had SRCC had no family history of DGC in first-degree relatives and 3/12 had no diagnoses of DGC in a three-generation pedigree. These findings indicate that a normal-appearing endoscopy and absence of a family history cannot exclude risk for DGC. Until more data are available to quantify risks of DGC, the option of prophylactic gastrectomy should be discussed with patients with germline pathogenic *CDH1* variants, even in the absence of a family history of DGC.

Other Recent Member Publications:

Discovery of common and rare genetic risk variants for colorectal cancer.
Huyghe JR, Bien SA, Harrison TA, Kang HM, Chen S, Schmit SL, Conti DV, Qu C, Jeon J, Edlund CK, Greenside P, Wainberg M, Schumacher FR, Smith JD, Levine DM, **Nelson** SC, Sinnott-Armstrong NA, Albanes D, Alonso MH, Anderson K, Arnau-Collell C, Arndt V, Bamia C, Banbury BL, Baron JA, Berndt SI, Bézieau S, Bishop DT, Boehm J, Boeing H, Brenner H, Brezina S, Buch S, Buchanan DD, **Burnett**-Hartman A, Butterbach K, Caan BJ, Campbell PT, Carlson CS, Castellví-Bel S, Chan AT, Chang-Claude J, Chanock SJ, Chirlaque MD, Cho SH, Connolly CM, Cross AJ, Cuk K, Curtis KR, de la Chapelle A, Doheny KF, Duggan D, Easton DF, Elias SG, Elliott F, English DR, Feskens EJM, Figueiredo JC, Fischer R, FitzGerald LM, Forman D, Gala M, Gallinger S, Gauderman WJ, Giles GG, Gillanders E, Gong J, Goodman PJ, Grady WM, Grove JS, Gsur A, Gunter MJ, Haile RW, Hampe J, Hampel H, Harlid S, Hayes RB, Hofer P, Hoffmeister M, Hopper JL, Hsu WL, Huang WY, Hudson TJ, Hunter DJ, Ibañez-Sanz G, Idos GE, Ingersoll R, Jackson RD, Jacobs EJ, Jenkins MA, Joshi AD, Joshu CE, Keku TO, Key TJ, Kim HR, Kobayashi E, Kolonel LN, Kooperberg C, Kühn T, Küry S, Kweon SS, Larsson SC, Laurie CA, Le **Marchand** L, Leal SM, Lee SC, Lejbkowicz F, Lemire M, Li CI, Li L, Lieb W, Lin Y, Lindblom A, **Lindor** NM, Ling H, Louie TL, Männistö S, Markowitz SD, Martín V, Masala G, McNeil CE, Melas M, Milne RL, Moreno L, Murphy N, Myte R, Naccarati A, Newcomb PA, Offit K, Ogino S, Onland-Moret NC, Pardini B, Parfrey PS, Pearlman R, Perduca V, Pharoah PDP, Pinchev M, Platz EA, Prentice RL, Pugh E, Raskin L, Rennert G, Rennert HS, Riboli E, Rodríguez-Barranco M, Romm J, Sakoda LC, Schafmayer C, Schoen RE, Seminara D, Shah M, Shelford T, Shin MH, Shulman K, Sieri S, Slattery ML, Southey MC, Stadler ZK, Stegmaier C, Su YR, Tangen CM, Thibodeau SN, Thomas DC, Thomas SS, Toland AE, Trichopoulou A, Ulrich CM, Van Den Berg DJ, van Duijnhoven FJB, Van Guelpen B, van Kranen H, Vijai J, Visvanathan K, Vodicka P, Vodickova L, Vymetalkova V, Weigl K, Weinstein SJ, White E, Win AK, Wolf CR, Wolk A, Woods MO, Wu AH, Zaidi SH, Zanke BW, Zhang Q, Zheng W, Scacheri PC, Potter JD, Bassik MC, Kundaje A, Casey G, Moreno V, Abecasis GR, Nickerson DA, Gruber SB, Hsu L, Peters U.
Nat Genet. 2019 Jan;51(1):76-87. Epub 2018 Dec 3. PMID:30510241

Prior History of Pancreatitis Accelerates the Development of Pancreatic Adenocarcinoma.

Phillips AE, Shah N, Borhani AA, Yadav D, Brand RE.
Pancreas. 2018 Nov/Dec;47(10):1262-1266. PMID:30286010

Body mass index, calcium supplementation and risk of colorectal adenomas.
Barry EL, Lund JL, Westreich D, Mott LA, Ahnen DJ, Beck GJ, Bostick RM, Bresalier RS, Burke CA, Church TR, Rees JR, Robertson DJ, Baron JA.
Int J Cancer. 2019 Feb 1;144(3):448-458. Epub 2018 Oct 30. PMID:30117164

Germline cancer susceptibility gene variants, somatic second hits, and survival outcomes in patients with resected pancreatic cancer.
Yurgelun MB, Chittenden AB, Morales-Oyarvide V, Rubinson DA, Dunne RF, Kozak MM, Qian ZR, Welch MW, Brais LK, Da Silva A, Bui JL, Yuan C, Li T, Li W, Masuda A, Gu M, Bullock AJ, Chang DT, Clancy TE, Linehan DC, Findeis-Hosey JJ, Doyle LA, Thorner AR, Ducar MD, Wollison BM, Khalaf N, Perez K, Syngal S, Aguirre AJ, Hahn WC, Meyerson ML, Fuchs CS, Ogino S, Hornick JL, Hezel AF, Koong AC, Nowak JA, Wolpin BM.
Genet Med. 2019 Jan;21(1):213-223. Epub 2018 Jul 2. PMID:29961768

8. CGA-IGC Calendar of Events

May

- 2019 CGA Annual Meeting Early Registration, Research Scholar Award, and Abstract Submission opens on May 1, 2019.
- Monthly Journal Scan update

June

- Webinar 6: “Early Onset Colorectal Cancer” presented by Elena Stoffel, MD on June 12, 2019.
- Monthly Journal Scan update

July

- 2019 CGA Research Scholar Award and Abstract Submission closes on July 12, 2019.
- Twitter Journal Club- date to be determined
- Monthly Journal Scan update

August

- Next CGA Newsletter
- Monthly Journal Scan update