



City of Hope Division of Clinical Cancer Genomics Intensive Course in Cancer Risk Assessment 2022

The Cancer Genomics Education Program of the City of Hope Division of Clinical Cancer Genomics offers this CME/CEU-accredited multimodal Cancer Genomics Intensive Course to address the need for professional training in clinical cancer genetics and research collaboration for community-based clinicians.

The Intensive Course in Cancer Risk Assessment gives you a foundational understanding of the field of cancer genetics, genomics, and personalized medicine.

Learning Outcomes

At the conclusion of the Intensive Course in Genomic Cancer Risk Assessment, participants will be able to:

- Integrate cancer genetics and oncology knowledge into clinical practice
- Apply practitioner-level proficiency to cancer risk assessment and case management
- Recommend risk-appropriate options for cancer screening and prevention, including imaging, chemopreventive and surgical interventions
- Incorporate understanding of medical, ethical, legal and psychosocial ramifications of cancer risk counseling and testing into clinical practice and research collaboration
- Discuss clinical research methodologies in cancer genetics and epidemiology and cancer prevention trials for high-risk cohorts
- Provide resources and information on current hereditary cancer registries, cancer epidemiology and cancer prevention studies to patients and professional colleagues
- Incorporate Web-based resources into ongoing practice-based education, professional development, and research support

Alumni of the course have the option to join our Clinical Cancer Genomics Community of Practice, a network currently numbering more than 1,300 clinicians, and to participate in our Clinical Cancer Genomics Community Research Network.

Course Requirements

Remote learning will take place over the course of 12-weeks from November to February with a break the weeks of Thanksgiving and the Winter Holidays. Each week a different GCRA topic will be covered. Participants must complete all components of the course to receive CME certification.

Each week, you will be expected to:

- **View the 2-4 video modules each week prior to Friday web sessions.** About a total of 4 hours. You are encouraged to utilize the discussion board to post questions to faculty and peers prior to the Friday sessions.
- **Complete the weekly quiz** by Thursday, prior to Friday web sessions. Answers will be reviewed during the Friday web session.
- **Attend required live web sessions Fridays from 8:30-10:00am PST.** The faculty will review, present updates, and answer questions. Attendance is mandatory and only excused in the case



of an emergency absence. Participants missing more than 1 Friday web session will not be eligible for the course certificate. If you have an emergency and cannot attend a required Friday session you must email the admin team at cgep@coh.org (only one absence is allowed).

- **Complete the weekly Distance Evaluation** after the live session.
- **Complete other assignments and surveys** due as noted in the course calendar

Within the duration of the course, you will be expected to:

- **View a minimum of 5 live or recorded GCRA Case Conferences AND complete a Case Conference Feedback form for each.** You have the options of these sessions listed below, please view portal calendar for up to date information and join links. Only City of Hope session recordings will be provided, each recording will only be available for a limited time.
 - University of Chicago – Tuesdays, 6:30-7:30am PST
 - U.S. Oncology Network – 3rd Tuesday of the month, 10:00-11:00am PST
 - City of Hope – Wednesdays, 10:00-11:30am PST

NOTE: Case conference participation is an essential course requirement that helps participants develop a deeper knowledge and skills base in cancer genetics/genomics risk assessment (GCRA) through observation of and engagement in interprofessional case working applied to actual cases from GCRA cases submitted from across the U.S. and internationally.

- **View a minimum of one (live or recorded) Topics in Cancer Genetics Research Conferences (TOPICS) webinar.** Live sessions are held on Fridays 11:30am -12:30pm PT. Recorded sessions are self-paced and are accessible on the course portal. <https://education.ccgcop.org/webinars>
- **Complete all assignments and surveys within deadlines** – See course calendar

Online Portal Community

An account will be set up for participants for access to course materials and module lectures once payment and the pre-course requirements have been completed. Through the portal, you can find:

- **Education Portal** – Find video modules, slide handouts, microburst supplements, speaker information, weekly quizzes, distance evaluation forms, and case conference feedback forms here.
- **Discussion Forum** – There will be a weekly discussion board where you will be able to engage with other course participants and with the faculty for the week's topics. The faculty request that you post relevant questions for them here prior to the Friday web sessions. We highly encourage participants to post at least once during the course.
- **Course Announcements** – Relevant announcements and updates about the course and assignments will be posted on the portal.
- **Event calendar** – Find links to Friday web sessions, GCRA Case Conferences, and Topics sessions

Portal link: <https://www.ccgcop.org/home>

Please visit the FAQs & Tutorials page to find answers to frequently asked questions and tutorial videos on how to find utilize features on the portal: <https://www.ccgcop.org/communitylist/intensive-course-2022/icfaqs>



Technology Requirements

- You will need to use Google Chrome, Safari, or Firefox browsers to access the online portal. It will not work with Internet Explorer, please keep this in mind if Internet Explorer is set as default on your device.
- We utilize Zoom as our web conferencing tool. We recommend you download the app on your computer and make sure you have access to a webcam and mic as well as a reliable internet connection. Download Zoom: <https://zoom.us/>

Resources and Support

Through the Portal:

- Resource Library, Gene Reviews & Topics Archive
- Discussion boards – faculty/peer support

We strongly recommended the following resources to supplement your distance learning modules experience:

- *Practical Guide to Human Cancer Genetics*. 4th Edition, Hodgson, S. V., Foulkes, W. D., Eng, C., & Maher, E. R. (2013) Cambridge University Press, ISBN-13:978-1447171720; ISBN-10:1447171721. Access through Claremont Colleges library at: <https://kgi.box.com/s/tri9dtpmictbzhxg2e41l9wtxjm1bdtr>
- *Counseling about Cancer: Strategies for Genetic Counseling*, 3rd Edition, Katherine A. Schneider (2012) Wiley-Blackwell, ISBN-13: 978-0470081501 access through Claremont Colleges library at: <https://kgi.box.com/s/5p31mtncr8ihaky9grwsf2q13eum4hw>
- <http://www.cancer.gov/cancertopics/pdq/genetics> - NCI PDQ on Clinical Cancer Genetics
- <http://www.genome.gov/10000464> - National Human Genome Research Institute education and resources

The following web-based resources are essential to the genetic cancer risk assessment practice. You will be required to reference and apply these resources throughout the course and in your practice:

- <https://www.nccn.org/default.aspx> - National Comprehensive Cancer Network (NCCN) Clinical Practice Guidelines in Oncology (registration required to access guidelines – free of charge)
- <http://www.ncbi.nlm.nih.gov/books/NBK1116/> - GeneReviews™ (catalogue of genetic syndromes and features)

If need any assistance, please feel free to contact the admin team at cgep@coh.org



Distance Learning Overview

Mandatory live web sessions on Fridays, 8:30-10:00am PST. See full Course Calendar for more details.

Week	Topic	Dates
Orientation		Oct 29, 2021
Week 1	Fundamentals of Genetics	Nov 1-5, 2021
Week 2	Essential Components of the GCRA Practice	Nov 8-12, 2021
Week 3	Genetic/Genomic Testing	Nov 15-19, 2021
Thanksgiving Holiday: November 22-26, 2021 – No Web Session		
Week 4	Hereditary Breast and Ovarian Cancer Syndromes Part 1	Nov 29-Dec 3, 2021
Week 5	Hereditary Breast and Ovarian Cancer Syndromes Part 2	Dec 6-10, 2021
Week 6	Hereditary Gastrointestinal Syndromes Part 1	Dec 13-17, 2021
Winter Holiday: December 20-31, 2021 – No Web Sessions		
Week 7	Hereditary Gastrointestinal Syndromes Part 2	Jan 3-7, 2022
Week 8	Pediatric, Hematologic and Genodermatosis Syndromes	Jan 10-14, 2022
Week 9	Hereditary Endocrine and Genitourinary Cancer Syndromes	Jan 17-21, 2022
Week 10	Tumor/Germline Testing; Understanding and Interpreting Clonal Hematopoiesis	Jan 24-28, 2022
Week 11	Ethical, Legal and Social Implications; Psychosocial and Family Dynamics	Jan 31-Feb 4, 2022
Week 12	GCRA Counseling Strategies	Feb 7-11, 2022
Track 1 ONLY Virtual Workshops		Feb 21-25, 2022
All Tracks – CCGCOP Orientation & Graduation Ceremony		Feb 25, 2022

Course Assignments

Due dates are subject to change. Details and instructions will be provided as assigned.

Assignment	Due Date
Weekly Quizzes	Weekly BEFORE Friday session
Weekly Distance Evaluations	Weekly AFTER Friday session
5 Case Conference Feedback Forms	At your own pace by Friday, February 11, 2022
Demographic Survey	Thursday, October 14, 2021
Pre-Course Self-Efficacy Survey	
Pre-Course Case Scenario	Monday, October 25, 2021
Pre-Course Knowledge Test	Thursday, October 28, 2021
Pedigree Drawing Assignment	Thursday, November 12, 2021
Community of Practice Survey	Friday, November 19, 2021
HBOC Risk Assessment Homework	Thursday, December 9, 2021
GCRA Case Assignment	Friday, December 17, 2021
GCRA In Your Practice Survey	Friday, February 4, 2022
End-of-Course Community of Practice Survey	Track 2: Sunday, February 13, 2022
Post-Course Self-Efficacy Survey	Track 1: Sunday, February 27, 2022
Final Course Evaluation	
Post-Course Final Knowledge Test	
Post-Course Case Scenario	Track 2: Sunday, February 20, 2022 Track 1: Sunday, March 6, 2022



IC 2022 Course Calendar & Objectives

Attendance at live sessions is mandatory and cannot be made up, please contact the Admin Team if emergent issues arise. Zoom links for the live sessions can be found on the portal calendar:

<https://www.ccgcop.org/events/calendar>

Module videos are accessed through the online Education Portal. Links to submit assignments are sent via email.

Pre-Course Assignments	Due
Demographic Survey	Thursday, October 14, 2021
Pre-Course Self-Efficacy Survey	
Pre-Course Case Scenario	Monday, October 25, 2021
Pre-Course Knowledge Test	Thursday, October 28, 2021

Orientation

Live Orientation Webinar: Friday, October 29, 2021, 8:30-10:00 am PST

Week 1: Fundamentals of Genetics – November 1-5, 2021

Live Web Session – Friday, November 5, 2021, 8:30-10:00 am PST

Modules	Objectives	Assignments
Basic Genetics Primer, Part 1 (<i>Gima</i>)	- Describe the basic principles of gene structure, function, and regulation - Appreciate the nature and consequences of major types of gene mutations	Due: - Week 1 Quiz - Week 1 Distance Evaluation
Basic Genetics Primer, Part 2 (<i>Shehayeb</i>)	- Outline the principles of Mendelian inheritance - Identify the features of incomplete penetrance and variable expressivity - Recognize how genetic mechanisms such as de novo mutations, mosaicism and imprinting can affect the pattern of cancer in a family	Assigned: - Pedigree Drawing Assignment Due Nov 12 - GCRA Case Assignment Due Dec 17
Basic Science of Cancer Genetics (<i>Weitzel</i>)	- Distinguish the differences between somatic and germline gene mutations - Describe the roles of oncogenes and tumor suppressor genes in signal transduction and cell cycle control - Review the mechanisms of DNA Damage	



Week 2: Essential Components of the GCRA Process – November 9-13, 2021

Live Web Session – Friday, November 13, 2021, 8:30-10:00 am PST*

*For those in International time zones, please note that due to the end of U.S. Daylight Savings on Sunday, November 7, clocks were set 1 hour back

Modules	Objectives	Assignments
The Fundamentals of GCRA (<i>Nehoray</i>)	- Describe fundamentals of the genetic cancer risk assessment (GCRA) process - Take a comprehensive cancer family history - Explain the importance of and strategies for confirming key cancers - Identify sporadic, familial, and hereditary cancer patterns	Due: - Week 2 Quiz - Week 2 Distance Evaluation - Pedigree Drawing Assignment
Documenting the Family Cancer History (<i>Ricker/Blazer</i>)	- Recognize the importance of eliciting, documenting, and verifying the patient family history - Collect family history information, focusing on details and questions relevant to cancer history documentation - Draw a 3-4 generation pedigree using standard pedigree nomenclature and symbols - Identify questionable or incomplete information that will need further verification to assess cancer risk in the family - Demonstrate skills associated with proficiency in collecting and documenting the family history of cancer	
Reading the Pathology Report through the Genomics Lens (<i>Nehoray</i>)	- Apply reading and interpreting pathology reports to define cancer stage and extract information on histology/molecular features - Describe the roles of other diagnostic data (imaging, CT scans, blood markers)	



Week 3: Genetic/Genomic Testing – November 16-20, 2021

Live Web Session – Friday, November 20, 2021, 8:30-10:00 am PST

Modules	Objectives	Assignments
Laboratory Methods for Inherited Cancer Susceptibilities <i>(Pritchard)</i>	- Identify the methods, benefits, and limitations of different types of NGS cancer panels - Recognize approaches to variant interpretation and reporting - Apply different types of genetic tests to clinical vignettes	Due: - Week 3 Quiz - Week 3 Distance Evaluation - Community of Practice Survey Assigned: - HBOC Risk Assessment Homework Due Dec 9
Characterization and Clinical Interpretation of Germline Genomic Variants <i>(Pritchard)</i>	- Review types of genetic variants - Outline the categories of variant classification established by the ACMG - Describe the methods, resources, and tools used to classify variants - Discuss approaches to re-classifying variants of uncertain significance (VUS)	
Mutation Nomenclature: Reading and Interpreting Genetic Test Results <i>(Castillo)</i>	- Recognize and describe various types of mutations - Distinguish between different types of mutation nomenclature - Interpret a genetic test report	

Micro Learning:

Navigating Cases with Variants of Uncertain Significance *(Nehoray)*



Thanksgiving Holiday: November 22-26, 2021 – No Web Session

Enjoy time with your family!

Please take this time to catch up on and review video modules, view an archived Topics webinar, and/or view GCRA Case Conference recordings and complete feedback forms (5 required).

Reminder: GCRA Case Assignment Due Dec 17

Week 4: Hereditary Breast and Ovarian Cancer Syndromes Part 1 – November 29 – December 3, 2021

Live Web Session – Friday, December 3, 2021, 8:30-10:00 am PST

Modules	Objectives	Assignments
Hereditary Breast/Ovarian Cancer Syndromes Part 1 (<i>Weitzel</i>)	• Recognize features of hereditary breast/breast and ovarian cancer • Profile key scientific history as it informs the present • Describe the established and emerging genetic etiologies of breast and ovarian cancer • Review the impact of founder mutations and variants of uncertain significance • Understand the benefits and limitations of genetic analysis for hereditary breast/breast ovarian cancer, with a focus on multigene assays	Due: • Week 4 Quiz • Week 4 Distance Evaluation
Hereditary Breast/Ovarian Cancer Syndromes Part 2: Other Genes on Panel (<i>Weitzel</i>)		
Hereditary Breast/Ovarian Cancer Risk Assessment (<i>Culver</i>)	• Recognize and apply mutation probability and empiric risk assessment models for breast cancer • Formulate an evaluation & management plan	

Micro Learning:

Prepping a Breast Case for GCRA (*Nehoray*)

Prepping a GYN Case for GCRA (*Shehayeb*)



Week 5: Hereditary Breast and Ovarian Cancer Syndromes Part 2 – December 6-10, 2021

Live Web Session – Friday, December 10, 2021, 8:30-10:00 am PST

Modules	Objectives	Assignments
Clinical Management of Hereditary Breast & Ovarian Cancers, Part 1 (<i>Garber</i>)	• Describe the methods and efficacy of breast and ovarian cancer screening tools • Describe the methods and efficacy of breast and ovarian cancer surgical risk reduction • Review the NCCN guidelines for high-risk cancer screening and management • Recognize the timing of GCRA and impact on surgical decisions • Discuss targeted treatment options for patients with germline HRD mutations	Due: • Week 5 Quiz • Week 5 Distance Evaluation • HBOC Risk Assessment Homework
Clinical Management of Hereditary Breast & Ovarian Cancers, Part 2: Chemoprevention (<i>Fabian</i>)	• Identify tools and strategies for personalized on-surgical breast cancer risk reduction • Describe the benefits and risks of chemopreventive risk reduction strategies and appropriateness for age, life phase and risk level • Review evidence related to lifestyle interventions to reduce breast cancer risk (diet, exercise, etc.) • Recognize approaches for testing new interventions for breast cancer risk reduction.	



Week 6: Hereditary Gastrointestinal Syndromes Part 1 – December 13-17, 2021

Live Web Session – Friday, December 17, 2021, 8:30-10:00 am PST

Modules	Objectives	Assignments
Hereditary Gastrointestinal Cancer Syndromes, Part 1: Lynch syndrome (<i>Kupfer</i>)	- Recognize the features of hereditary gastrointestinal and other cancers associated with Lynch Syndrome - Discuss the methods and limitations of tumor screening for Lynch syndrome - Identify the features and mode of inheritance of Constitutional Mismatch Repair Deficiency (CMMRD) - Recognize the characteristics of Familial Colorectal Cancer Type X	Due: - Week 6 Quiz - Week 6 Distance Evaluation - GCRA Case Assignment
Hereditary Gastrointestinal Cancer Syndromes, Part 2: Polyposis (<i>Idos</i>)	- Identify the features distinguishing different hereditary polyposis syndromes - Recognize the association between polyp histology and potential germline genetic predisposition to a polyposis syndrome - Discern the features of different polyposis syndromes, including: Familial adenomatous polyposis; MutYH-associated polyposis; Hamartomatous polyposis syndromes; Serrated polyposis syndrome	
Hereditary Gastrointestinal Cancer Syndromes, Part 3: Gastric Pancreatic (<i>Kupfer</i>)	- Recognize the features of hereditary gastric cancers - Recognize the features of hereditary pancreatic cancers - Apply appropriate germline genetic testing strategies for hereditary gastrointestinal syndromes	

Micro Learning:

Prepping a Colon Polyposis Case for GCRA (*Manookian*)



Winter Holiday: December 20-31, 2021 – No Web Sessions
Have a Happy New Year!

Please take this time to catch up on and review video modules, view an archived Topics webinar, and/or view GCRA Case Conference recordings and complete feedback forms (5 required).

Week 7: Hereditary Gastrointestinal Syndromes Part 2 – January 3-7, 2022

Live Web Session – Friday, January 7, 2022, 8:30-10:00 am PST

Modules	Objectives	Assignments
Significance and Practical Applications for Tumor Phenotyping (IHC/MSI) Hereditary Cancer Risk Assessment (Hampel)	• Determine which cases of CRC have defective mismatch repair • Screen for Lynch syndrome among newly diagnosed CRC & EC patients • Discuss OSU clinical experience doing IHC on all newly diagnosed CRC & EC patients • Review EGAPP recommendations	Due: • Week 7 Quiz • Week 7 Distance Evaluation
Clinical Management of Hereditary Gastrointestinal Cancers (Lynch)	• Recognize standard of care screening guidelines for individuals with increased risks for gastrointestinal cancers associated with hereditary cancer syndromes, including Lynch, Familial Adenomatous Polyposis, Peutz-Jeghers and Juvenile Polyposis syndromes) • Identify established and emerging surgical and chemopreventive risk management recommendations and options for hereditary gastrointestinal cancers • Understand the spectrum and limits of established and emerging screening and risk management for individuals with hereditary risk for diffuse gastric and pancreatic cancers	

Micro Learning:

Prepping a Colon Case for GCRA **(Gima)**

Mismatch Repair Deficiency Primer **(Erwin)**



Week 8: Pediatric, Hematologic, and Genodermatosis Syndromes – January 10-14, 2022

Live Web Session – Friday, January 14, 2022, 8:30-10:00 am PST

Modules	Objectives	Assignments
Pediatric Cancer Syndromes (<i>Dreike</i>)	- Recognize clinical features of hereditary cancer syndromes with pediatric manifestations - Recognize the conditions under which a pediatric cancer patient should be referred to Clinical Genetics - Identify genetic counseling and testing issues associated with pediatric hereditary cancer syndromes - Apply appropriate germline genetic testing strategies for hereditary pediatric cancer syndromes - Provide education on hereditary cancer syndromes with pediatric manifestations to parents, patients, and providers in age appropriate manner	Due: - Week 8 Quiz - Week 8 Distance Evaluation
Hereditary Hematologic Cancer Syndromes (<i>Churpek</i>)	- Recognize the basics of hematologic malignancies - Understand the currently known hereditary hematologic malignancy syndromes - Distinguish the unique needs for genetic testing in the setting of hematologic malignancies	
Hereditary Genodermatoses (<i>Park</i>)	- Define disease characteristics of hereditary syndromes classified as genodermatoses - Identify the genes associated with hereditary syndromes that have cutaneous manifestations - Recognize cancer risks associated with hereditary genodermatoses syndromes	
Hereditary Melanoma (<i>Park</i>)	- Identify characteristics of hereditary melanoma and when to consider genetic testing - Recognize the genes associated with hereditary melanoma - Discuss clinical characteristics associated with CDKN2A gene and management recommendations	



Week 9: Hereditary Endocrine and Genitourinary Cancer Syndromes – January 17-21, 2022

Live Web Session – Friday, January 21, 2022, 8:30-10:00 am PST

Modules	Objectives	Assignments
Hereditary Endocrine Neoplasias (<i>Else</i>)	• Recognize clinical features of hereditary endocrine neoplasia syndromes • Understand risks, benefits, and limitations of genetic testing • Identify resources to inform risk management for individuals with hereditary endocrine neoplasias	Due: • Week 9 Quiz • Week 9 Distance Evaluation Assigned: • GCRA in Your Practice Survey
Genitourinary Cancer Syndromes (<i>Shuch</i>)	• Recognize inherited urologic disorders associated with kidney cancers • Distinguish renal tumor pathologies associated with several inherited kidney cancer syndromes • Identify appropriate kidney cancer patients for genetic counseling and testing	
Hereditary Prostate Cancer (<i>Giri</i>)	• Describe the genetic etiologies of hereditary prostate cancer • Recognize features warranting genomic evaluation associated with prostate cancer • Explain the methods and limitations of genetic analysis for hereditary prostate cancer	

Micro Learning:

Prepping a Genitourinary Case for GCRA (*Manookian*)



Week 10: Tumor/Germline Testing; Understanding and Interpreting Clonal Hematopoiesis – January 24-28, 2022

Live Web Session – Friday, January 28, 2022, 8:30-10:00 am PST

Modules	Objectives	Assignments
TUMOR/Germline Analysis in GCRA Practice, Part 1 <i>(Gray)</i>	• Compare the benefits and challenges of somatic panel, germline panel and paired somatic/germline sequencing • Identify issues related to incidental findings in cancer sequencing. • Discriminate strategies used to interpret genomic data • Examine ways that genomic data are changing cancer treatment paradigms. • Discuss some of the patient, provider, and system-level challenges to genomic test integration.	Due: • Week 10 Quiz • Week 10 Distance Evaluation
TUMOR/Germline Analysis in GCRA Practice, Part 2 <i>(Rajagopal)</i>		
Navigating Complex Genetic Test Results - Clonal Hematopoiesis <i>(Weitzel)</i>		

Micro Learning:

When to Suspect & How to Work-up a Case with Clonal Hematopoiesis *(Nehoray)*



Week 11: Ethical, Legal and Social Implications; Psychosocial and Family Dynamics – January 31-February 4, 2022

Live Web Session – Friday, February 4, 2022, 8:30-10:00 am PST

Modules	Objectives	Assignments
Ethical, Legal, and Social Issues in Cancer Genetics <i>(Solomon)</i>	• Recognize ethical, legal, and social issues relevant to cancer genetics counseling, and testing • Apply bioethical principles to counseling challenges • Identify emerging legislation protecting against genetic discrimination	Due: • Week 11 Quiz • Week 11 Distance Evaluation • GCRA in Your Practice Survey
Psycho-social and Family Dynamics of Hereditary Cancers <i>(Hurley)</i>	• Recognize key psychological principles and how they generalize across hereditary cancer syndromes • Discuss how psychological factors may interact with specific features of hereditary risk • Review how these processes may affect emotional adjustment, decision-making, quality of life • Identify family- and individual-level challenges commonly encountered in working with familial risk patients • Review brief assessments and tools that can be incorporated into cancer risk consultations • Identify red flags that indicate consideration of referral for psychological support	



Week 12: GCRA Counseling Strategies – February 7-11, 2022

Live Web Session – Friday, February 11, 2022, 8:30-10:00 am PST

Modules	Objectives	Assignments
Cancer Risk Assessment Counseling Strategies - Part 1: Initial GCRA Session Part 2: Results Disclosure GCRA Session (CCG Faculty)	• Observe the application of cancer risk assessment and counseling skills in the setting of mock initial and follow up GCRA consultation sessions • Recognize the key elements of a comprehensive GCRA counseling process • Review the essential components of the informed consent process for genetic testing • Identify how to address ethical, legal, and social issues with patients and families • Recognize key issues related to genetic test results interpretation, disclosure, and communication of personalized risk management recommendations	Due: • Week 12 Distance Evaluation Assigned: • Post-Course Assignments

TRACK 1 ONLY – Virtual Workshops
February 21-25, 2022

CCGCOP Orientation & Graduation Ceremony – All Tracks
February 25, 2022, 12:00pm PST



Final Course Assignments:

For Track 2	Due
End-of-Course Community of Practice Survey	Opens February 11 after Friday web session Due Sunday, February 13, 2022
Post-Course Self-Efficacy Survey	
Final Course Evaluation	
Final Knowledge Test	
Post-Course Case Scenario	Sunday, February 20, 2022

For Track 1	Due
End-of-Course Community of Practice Survey	Opens February 25 after Workshops Due on Sunday, February 28, 2022
Post-Course Self-Efficacy Survey	
Final Course Evaluation	
Final Knowledge Test	
Post-Course Case Scenario	Sunday, March 6, 2022

Final Certificates of Completion and CME Certificate will be sent after verification of completion of all course requirements and processing by the CME department and NSGC, approximately mid-May 2022.

Access to the video modules will continue 12 months after the course and will end in February 2023.

Post-Course Professional Development

Clinical Cancer Genomics Community of Practice (CCGCoP)

Upon successful completion of the Intensive Course, alumni are initiated as members of the Clinical Cancer Genomics Community of Practice (CCGCoP) for continuing access to the professional development, practice support, and networking resources introduced during the course.

Your membership in the CCGCoP includes continued access through the online portal to:

- Discussion Forum with clinicians and experts from around the world
- City of Hope GCRA Case Conferencing Working Group
- Topics in Cancer Genomic Research (TICGR) presentation sessions live and archived
- GCRA Resource Library
- Annual Update Conferences
- And other resources as developed!

Quality Practice Certificate

As part of your commitment at the time you register, you are encouraged to complete the self-directed post-course professional development activities over 12 months post-course. Successful fulfillment of these activities will also qualify you to receive your first bi-annual GCRA Quality Practice Certificate, which documents your dedication to ongoing practice-centered learning and excellence in GCRA practice at your institution.

More details will be sent to you at the culmination of your time in the Intensive Course and can also be found on this page in the portal: <https://education.ccgcop.org/products/quality-practice-certificate>