2017 | ACMG Annual Clinical Genetics Meeting

ACMG American College of Medical Genetics and Genomics
Translating Genes Into Health®

Presentation of the 2017 ACMG Foundation and March of Dimes Awards and Presidential Plenary Session- ACMG in the Genomic Era: How ACMG is working for you

Held in Phoenix, Arizona, March 21-25, 2017

Date of Release: April 3, 2017s
Expiration Date: April 3, 2020 (CME, NSGC, P.A.C.E.®)
Estimate Time of Completion: 1.5 hours
Course must be completed by the expiration dates

COURSE DESCRIPTION

2017 ACMG Foundation and March of Dimes Awards and Presidential Plenary Session

LEARNING OBJECTIVES

At the conclusion of this course, participants should be able to:

- Discuss the efforts of ACMG in Clinical and Laboratory Training, Education and Advocacy related to the strategic plan
- Examine the barriers that exist on the state and federal levels that affect ACMG activities
- Examine the opportunities for collaborative genomic research efforts impacting the health of women and children at the NICHD
- Explain the various issues and opportunities related to cell-free DNA testing, including ethical dilemmas and the opportunities for prenatal treatment of genetic disorders brought about by examining the fetal transcriptome

TARGET AUDIENCE

All healthcare professionals interested in the diagnosis, management, treatment and prevention of genetic conditions and increasing their understanding of the genetic basis of common, chronic health problems affecting both children and adults will find the programming applicable to their practice. These select sessions from the ACMG Annual Meeting are targeted for the following professionals:

- Medical and clinical geneticists
- Physicians of all specialties with an interest in genetics, genomics and the genetic basis of disease

- Genetic counselors
- Laboratory geneticists, directors, technicians and technologists
- Researchers
- Pathologists
- Educators
- Nurses
- Dietitians
- Physician assistants
- Biotechnology and pharmaceutical development professionals
- Fellows, Trainees and Students
- Public health professionals
- Genetic/consumer advocates
- Others with an interest in the science and art of medical genetics and genomics

SESSIONS

- ACMG in the Genomic Era: How ACMG is working for you- Gerald Feldman, MD, PhD, FACMG
- Building the Bonds between Genetics, Genomics and Child and Maternal Health-Diana Bianchi, MD

Accreditation:

The American College of Medical Genetics and Genomics is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation:
The American College of Medical Genetics and Genomics designates this activity for a maximum of 1.5 *AMA PRA Category 1 Credit*s™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Genetic Counselor Credit

The National Society of Genetic Counselors (NSGC) has authorized American College of Medical Genetics and Genomics to offer up to 1.5 Category 1 contact hours for this OnDemand course. The American Board of Genetic Counseling (ABGC) will accept CEUs earned for this course for the purposes of genetic counselor certification and recertification. Reporting of credits is sent to NSGC quarterly. Additional fee (~$25) applies for NSGC credit that is billed by NSGC.

P.A.C.E. CEUs – Laboratory Directors and Laboratory Personnel

ACMG is approved as a provider of continuing education programs in the clinical laboratory sciences by the American Society for Clinical Laboratory Science (ASCLS) Professional Acknowledgment for Continuing Education (P.A.C.E.®) Program. The American College of Medical Genetics and Genomics designates this course for a maximum of 1.5 contact hours. ACMG is approved by the Florida Board of Clinical Laboratory Personnel as CE Provider. ACMG is approved by the California Department of Health Services through the ASCLS P.A.C.E.® Program as CE Provider #275.

HIPAA Compliance

The ACMG supports medical information privacy. While the ACMG is not a "covered entity" under HIPAA 1996 and therefore is not required to meet these standards, ACMG wishes to take reasonable steps to ensure that the presentation of individually identifiable health information at ACMG-sponsored events has been properly authorized. All presenters have completed a form indicating whether they intend to present any form of individually

identifiable healthcare information. If so, they were asked either to attest that a HIPAA-compliant consent form is on file at their institution, or to send ACMG a copy of the ACMG HIPAA compliance form. This information is on record at the ACMG Administrative Office and will be made available on request.

Content Validation

ACMG follows the ACCME policy on Content Validation for CME activities, which requires:

Content Validation and Fair Balance

1. ACMG follows the ACCME policy on Content Validation for CME activities, which requires:
   a) All recommendations involving clinical medicine must be based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.
   b) All scientific research referred to, reported or used in CME in support or justification of patient care recommendations must conform to the generally accepted standards of experimental design, data collection and analysis.

2. Activities that fall outside the definition of CME/CE; "Educational activities that serve to maintain, develop, or increase the knowledge, skills, and professional performance and relationships that a physician uses to provide services for patients, the public, or the profession" (source: ACCME and AMA) will not be certified for credit. CME activities that promote recommendations, treatment, or manners of practicing medicine or pharmacy that are not within the definition of CME/CE or, are known to have risks or dangers that outweigh the benefits or, are known to be ineffective in the treatment of patients.
3. Presentations and CME/CE activity materials must give a balanced view of therapeutic options; use of generic names will contribute to this impartiality. If the CME/CE educational materials or content includes trade names, where available, trade names from several companies must be used.

Off-label Uses of Products

When an off-label use of a product, or an investigational use not yet approved for any purpose, is discussed during an educational activity, the accredited sponsor shall require the speaker to disclose that the product is not labeled for the use under discussion, or that the product is still investigational. Discussions of such uses shall focus on those uses that have been subject of objective investigation.

Disclaimer: *ACMG educational programs are designed primarily as an educational tool for health care providers who wish to increase their understanding of the application of genomic technologies to patient care. The ACMG does not endorse, or recommend the use of this educational program to make patient diagnoses, particular by individuals not trained in medical genetics. Adherence to the information provided in these programs does not necessarily ensure a successful diagnostic outcome. The program should not be considered inclusive of all proper procedures and tests or exclusive of other procedures and tests that are reasonably directed at obtaining the same results. In determining the propriety of any specific procedure or test, a healthcare provider should apply his or her own professional judgment to the specific clinical circumstances presented by the individual patient or specimen.*

2017 ACMG Program and Education Committee Members Disclosures

Members of the ACMG Staff, Education and Program Committees involved in planning the 2017 ACMG Annual Clinical Genetics Meeting are required to disclose relevant relationships which could be perceived by some as a real or apparent conflict of interest in planning. All disclosures have been reviewed and conflicts of interest resolved by the Education Committee COI sub-committee or the Executive Director and CME Associate Director and conflicts of interest are disclosed. In the cases where a conflict existed then the committee member refrained from the discussion.

Following is a list of program and education committee members who have disclosed one or more such relationships and names of companies with which those relationships exist:

EC = Education Committee; PC = Program Committee; S = ACMG Staff

1. Major stockholder/ownership interest 2. Grant/Research Support (External) 3. Salary/Employment/Royalty(ies)/Honoraria 4. Consultant/consulting fees/other remuneration 5. Speakers' bureau	6. Non-remunerative positions of influence such as officer, board member, trustee, or public spokesperson (All Committee Members Below are on ACMG Committees –Members with other affiliations are listed) 7. Receipt of intellectual property 8. Other

Georgianne L. Arnold, MD, FACMG - Horizon, 2; Recordati, 2; Biomarin, 2; Actelion, 2; SIMD, 6; ACGME, 6; AAP, 6; ASHG, 6 (PC)
Karen W. Gripp, MD, FACMG – Wiley Publishing Inc., 3; FDNA, 4; Novartis, 4 (PC)
Fuki M. Hisama, MD, FACMG – Horizon Pharmaceuticals, 4; ABMGG, 6 (PC)
Christine A. Curtis, PhD, FACMG - CSI Laboratories, 3 (EC)
Thomas E. Mullen, PhD, MS, FACMG - Good Start Genetics Inc., 3 (EC)
Christian P. Schaaf, MD, PhD, FACMG - Springer Publishing Company, 3 (PC), (EC)
Katrina M. Dipple, MD, PhD, FACMG – ACGME, 6; AAP, 6; ASHG, 6; LA BioMed DSMB, 4; SIMD 6 (PC)

Following is a list of committee, education members and staff who have no relationships to disclose:

Liming Bao, PhD, FACMG (EC)
Monica A. Giovanni, MS (EC)
Chad Haldeman-Englert, MD, FACMG (EC)
Abbas Padeganeh, PhD, MS (EC)
Amy E. Roberts, MD, FACMG (EC)
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Christopher M. Cunniff, MD, FACMG (PC)
Gerald Feldman, MD, PhD, FACMG (PC)
Helga V. Toriello, PhD, FACMG (PC)
Hope Northrup, MD, FACMG (PC)
Jennelle C. Hodge, PhD, FACMG (PC)
Jessica Smith, MD (PC)
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Myra Wick, MD, PhD, FACMG (PC)
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Jane Dahlroth, CEM, CMP-HC (PC), (EC), (S)
Jane Radford, MHA, CHCP (PC), (EC), (S)
Michael S. Watson, PhD, FACMG (PC), (EC), (S)
Penelope Freire, CMP (PC), (S)

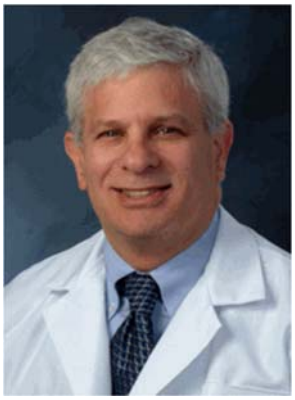
SPEAKERS AND MODERATORS

Faculty Disclosures:

As a sponsor accredited by the ACCME, the American College of Medical Genetics and Genomics must ensure balance, independence, objectivity and scientific rigor in all its sponsored educational activities. All faculty participating in a CME-certified activity are expected to disclose to the audience any relevant financial interest(s) or other relationship(s) with the manufacturer(s) of any commercial product(s), provider(s) of commercial services or any commercial supporters, including diagnostic laboratories, of the activity discussed in an educational presentation. Relevant financial interest(s) or other relationship(s) can include such things as grants or research

support, consultancy, major stock holder, etc. The intent of this disclosure is not to prevent a planner or speaker with a relevant financial or other relationship from course planning or making a presentation, but rather to provide learners with information on which they can make their own judgments. It remains for the audience to determine whether the speaker's interests or relationships may influence the presentation with regard to exposition or conclusion. All conflicts of interests have been reviewed and resolved by the education and CME subcommittee.

Moderator/Speaker: Gerald Feldman, MD, PhD, FACMG
Director, Clinical Genetics Services, Professor, Pediatrics, Molecular Medicine and Genetics and Pathology, Wayne State University School of Medicine
Financial Disclosures to report: (Self) Director of a Molecular Genetics Laboratory that performs clinical testing



Dr. Feldman is a professor of Molecular Medicine and Genetics, Pathology, and Pediatrics at Wayne State University School of Medicine. He directs the Medical Genetics residency and fellowship programs and serves as medical director of the Genetic Counseling Graduate Program.

Dr. Feldman's principal research interests are tied to the diagnosis and management of patients with genetic disorders. He is a co-investigator of the nationwide Inborn Errors of Metabolism Collaborative, a program supported by the National Institutes of Health to collect data and share best practices for the benefit of children who are born with rare genetic disorders in which the body cannot naturally metabolize certain fats, proteins and sugars in food.

He is also program director and lead investigator for a statewide program awarded to the Children's Hospital of Michigan by the Michigan Department of Community Health: the Newborn Screening Management Program. He has been part of a collaborative effort between Wayne State University, Children's Hospital of Michigan, the Detroit Medical Center, and Al-Quds University, to develop newborn screening programs in Palestine.

Dr. Feldman studied biology as an undergraduate at Indiana University and earned his MD and PhD at the Medical College of Virginia/Virginia Commonwealth University. He completed his residency in Pediatrics and his fellowship in Clinical Genetics and Molecular/Biochemical Genetics at Baylor College of Medicine in Texas. His active board certification is through the American Board of Medical Genetics and Genomics (PhD Medical Geneticist, MD Medical Geneticist, and Clinical Molecular/Biochemical Geneticist).

Speaker: Diana Bianchi, MD
Intramural Investigator, National Human Genome Research Institute and Director, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health
No financial relationships to disclose.

Dr. Bianchi is the Director of the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) at NIH. Formerly, she was the Executive Director of the Mother Infant Research Institute at Tufts Medical Center and the Natalie V. Zucker Professor of Pediatrics, Obstetrics and Gynecology. She was also Vice Chair for Pediatric Research at the Floating Hospital for Children, Boston. She received her MD from Stanford and her postgraduate training in Pediatrics, Medical Genetics and Neonatal-Perinatal Medicine at Boston Children's Hospital and Harvard. She is board-certified in all three specialties. Her clinical expertise is in prenatal and neonatal genetics and genomics. Her research focuses on NIPD using fetal and placental DNA sequencing and using information from fetal gene expression to develop novel fetal therapies for genetic disorders such as Down syndrome. She has published over 290 peer-reviewed articles, and is one of four authors of the book Fetology: Diagnosis and Management of the Fetal Patient, which won the Association of American Publishers award for best textbook in clinical medicine in 2000. She is also Editor-in-Chief of the International Society for Prenatal Diagnosis' (ISPD) official journal, Prenatal Diagnosis. She has held multiple leadership positions including President of the ISPD and the Perinatal Research Society, council membership in the Society for Pediatric Research and the American Pediatric Society, and as a Director in the American Society for Human Genetics. She has received multiple awards, including the Christopher Columbus Spirit of Discovery Award and the Distinguished Faculty Award, both from Tufts University, the 2015 Neonatal Landmark Award from the American Academy of Pediatrics, and the 2016 Maureen Andrew Award for Mentorship from the Society for Pediatric Research. In 2013 she was elected to the Institute of Medicine. She is a past member of the National Advisory Council of the NICHD.

Participation Instructions

1. Participant logs into ondemand.acmg.net
2. Once logged in the participant will access the session they would like to view. They will be asked if they would like to claim credit for the meeting, or if they will not claim credit for the meeting. Then, this information (Course description) will appear, and participant will have to attest that they have read the information. They will then click Continue.
3. After that, the participant will be able to select the credit types to claim.
4. For each session with a post-test, the participant will need to mark and complete the matching pre-test.
5. Then the participant will watch the session presentations.
6. Participant will complete viewing all session content. "Check marks" indicate which presentations have been viewed.
7. After viewing all presentations within a session, participant will click the "Claim Credit for Session" button under the CME dropdown at the top of the page.

8. Participant should take and then successfully pass the post-test. If they do not pass with a score of 80% or higher, they will have unlimited tries to pass the post-test.
9. Participant will continue the steps above to earn credits for additional sessions.
10. If a session does not have a test attached, the participant will not need to take a pre- or posttest, but will have to complete a Concurrent or Plenary session-specific evaluation to claim credit.
11. To print their certificate, the participant will click the "Print Certificate" button under the CME dropdown at the top of the page. Participant must complete the meeting evaluation (one time only) before they can access their certificate. Participant will then choose their certificate(s). The certificate(s) will be automatically updated as they earn new credits.

Stream Requirements	
Network	For best results, use a hardwired network connection instead of wireless
Full Screen Viewing	If you would like to view the webcast full screen, display the tool bar at the bottom and click the double arrow in the far right corner. The screen will enlarge to the full screen of you system. To restore the size, press the "ESC" key
Refresh Browser Window	If the webcast freezes and does not recover in 3-4 seconds, refresh browser window
Freezing or Stuttering Issues	Adjust the amount of bandwidth needed by putting your mouse anywhere over the video window. A tool bar will appear at the bottom. On the right side you will see a "HD" button, click on that button and you will see a list of options. The top is "auto", with decreasing numbers below. Select a lower bandwidth (such as 360p) to see if your webcast improves
For Technical Support call	1-800-504-5379

Mobile Viewing Requirements	
Android Devices	Android 2.3+ with Adobe Flash Player 10.2 or better installed Install Flash Player
Apple Devices	iOS 4+

Online Viewing Requirements	
Bandwidth	512kbps
Required Hardware and Software	Screen resolution of 1024X768 or larger Sound card and speakers/headphones
Browser	Microsoft Internet Explorer 7.0 or better Mozilla Firefox 4 or better Safari 5 or better
Windows	Operating System: Windows 8 desktop mode, Windows 7; Windows Vista; Windows XP Service Pack 2 or 3 x86 or x64 (Browsers must be in 32-bit mode) 1.6-gigahertz (GHz) or higher processor 512MB of RAM
Mac OS	Operating System: Apple Mac OS X 10.4.8 or above Intel Core™ Duo 1.83GHz or faster processor 512MB of RAM

Registration and Fees

ondemand.acmg.net
ACMG Members and ACMG Trainees: ($50)
Non-members ($60)
Additional fee (~$25) applies for NSGC credit that is billed by NSGC.

Questions regarding CE credit should be directed to education@acmg.net.

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