



NATIONAL SOCIETY OF GENETIC COUNSELORS, INC.

2008 Short Course

October 23–24, 2008

27th NSGC Annual Education Conference

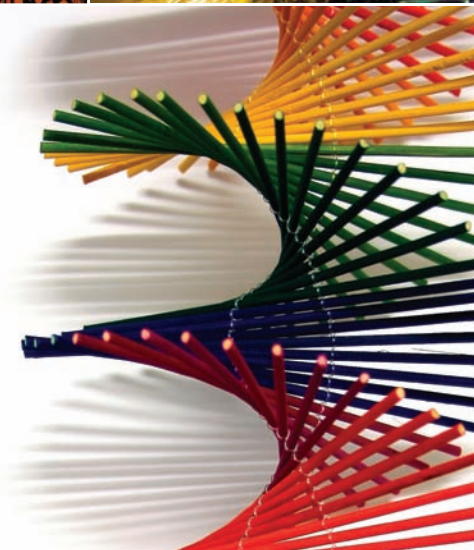
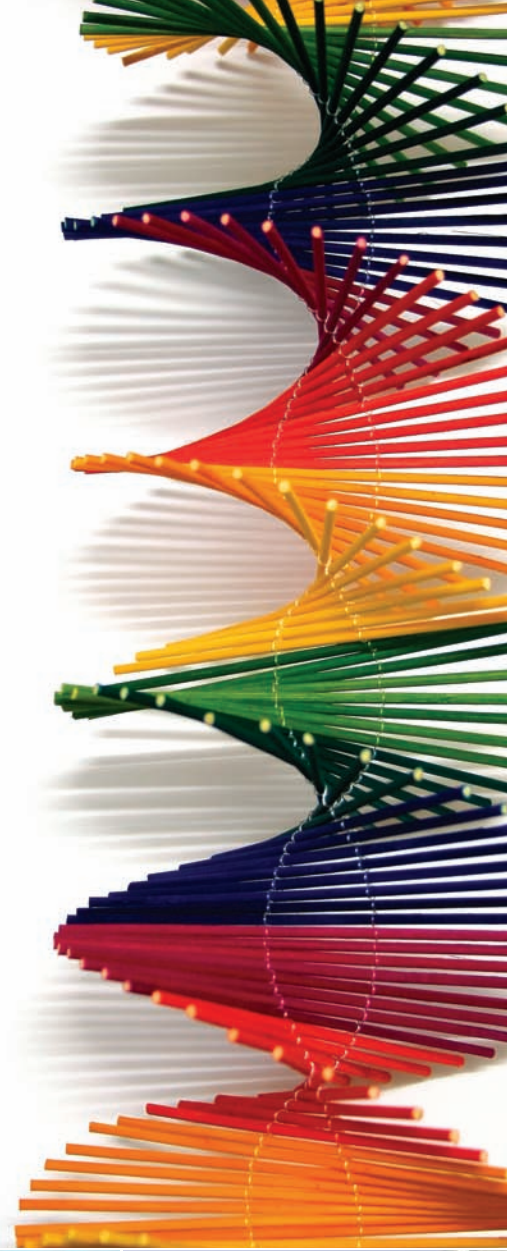
October 24–28, 2008

Hyatt Regency Century Plaza | Los Angeles, California



Preliminary Program

Register today at www.nsgc.org | Early Bird Deadline: **August 29**



Why You Should Attend the 2008 Short Course

Cardiovascular disease is the leading cause of death in the United States and is a growing public health concern worldwide. Our understanding of genetic causes and risk factors for cardiovascular diseases is increasing rapidly and the demand for genetic counseling for this class of diseases is expanding. The importance of this area of genetics is at an all-time high. The 2008 Short Course, **Taking Heredity to Heart: Cardiovascular Genetics, An Overview**, will provide an educational and interactive forum for genetic counselors and other healthcare professionals to learn about complex cardiovascular diseases with specific focus on issues most pertinent to the practice of genetic counseling.

After attending this course participants will be able to:

- Identify symptoms, diagnosis and treatment for hereditary cardiovascular diseases and explain the role of genetics in a variety of conditions including congenital heart defects, cardiomyopathies, cardiac arrhythmias, aortic disease and atherosclerosis
- Describe general cardiac structure and function, as well as methods of cardiac examination and testing, that constitute a diagnostic evaluation for a variety of cardiovascular conditions
- Recognize and develop opportunities for collaboration between genetic counselors and healthcare professionals in cardiology
- Assess the potential growth of cardiac clinical services and cardiac research projects involving genetics and genetic counselors

Taking Heredity to Heart: Cardiovascular Genetics, An Overview

2008 SHORT COURSE SCHEDULE

Thursday, October 23

7:30 am – 8:00 am

Continental Breakfast

7:45 am – 8:00 am

Opening Remarks

8:00 am – 9:00 am

SC 100 Cardiac Tools and Procedures: A Primer
Robert Siegel, MD

9:00 am – 10:30 am

SC 101 Congenital Heart Defects: Pediatric and Adult Perspective
Jeffrey Towbin, MD, FFAP, FACC, FAHA

10:30 am – 11:00 am

Break

11:00 am – 12:30 pm

SC 102 Cardiomyopathy Genetics
Daniel Judge, MD

12:30 pm – 2:00 pm

Lunch

2:00 pm – 3:00 pm

SC 103 Familial Aneurysm/Dissection Syndromes
Dianna Milewicz, MD, PhD

3:00 pm – 4:30 pm

SC 104 Genetics of Arrhythmogenesis and Sudden Cardiac Death
G. Michael Vincent, MD

4:30 pm – 4:45 pm

Break

4:45 pm – 5:45 pm

SC 105 How Genetics is Influencing Practice: Focus on Neuromuscular Disease
Elizabeth McNally, MD, PhD

5:45 pm

Evening Event

Friday, October 24

7:30 am – 8:00 am

Continental Breakfast

8:00 am – 9:00 am

SC 200 Familial Risk Assessment for Coronary Heart Disease
Maren Scheuner, MD, MPH, FACMG

9:00 am – 10:30 am

SC 201 Incorporating Cardiogenetics into Your Practice and Institution
Heather MacLeod, MS, CGC

SC 202 The Multiple Facets of Managing a Cardiogenetics Family: A Case-based Approach
Christina Honeywell, MSC, CCGC
Julie Rutberg, MS, CGC, CCRP

10:30 am – 11:00 am

Break

11:00 am – 12:30 pm

SC 203 The Psychological Implications of Inherited Cardiovascular Disease
Adrienne Kovacs, PhD, CPsych
Alice Lara, RN, BSN

12:30 pm

Closing Remarks

Note: Agenda is tentative and subject to change

2008 Short Course Exclusive Sponsor



Continuing Education Units



NSGC anticipates approval of up to 1.15 CEUs or 11.5 contact hours (Category 1) for the Short Course. NSGC has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET). The American Board of Genetic Counseling (ABGC) will accept CEUs attained at the Short Course for purposes of certification and recertification.

"The presentations were extremely applicable and relevant to my practice. Overall, the Society support and encouragement was great!"

– 2007 AEC ATTENDEE

Session Information

SC 100 Cardiac Tools and Procedures: A Primer

Robert Siegel, MD
Director, Cardiac Noninvasive Laboratory
Cardiology Director, Marfan Center, Cedars-Sinai
Medical Center

Learning Objectives

1. Review the anatomy of the heart and circulatory system
2. Describe the main cardiovascular disease categories and their clinical manifestations
3. Outline cardiology tests and procedures and their role in diagnosis and treatment of cardiovascular conditions

SC 101 Congenital Heart Defects: Pediatric and Adult Perspective

Jeffrey Towbin, MD, FAAP, FACC, FAHA
Chief, Pediatric Cardiology, Texas Children's Hospital/
Baylor College of Medicine

Learning Objectives

1. Review syndromic and nonsyndromic causes of congenital heart defects (CHDs) in the pediatric and adult population to allow identification of the clinical features of these forms and the distinction between them in order to allow improved patient and family evaluation
2. Describe the current status of treatment and clinical evaluations to assess CHDs, and manage them during the course of the affected individual's lifetime
3. Evaluate the current underlying genetic basis of syndromic and nonsyndromic CHDs, summarize the current status of genetic testing and assess the benefits and limitations of incorporation of genetic testing into patient management

SC 102 Cardiomyopathy Genetics

Daniel Judge, MD
Medical Director for Center for Inherited Heart Disease, Johns
Hopkins School of Medicine

Learning Objectives

1. Describe the range of phenotypes associated with familial forms of cardiomyopathy
2. Discuss clinical use of genetic testing for cardiomyopathy
3. Illustrate applications of genetic research to clinical practice in cardiomyopathy

SC 103 Familial Aneurysm/Dissection Syndromes

Dianna Milewicz, MD, PhD
Director, Vice Chair of Internal Medicine, Division of Medical
Genetics, The University of Texas Health Science Center
at Houston

Learning Objectives

1. Review of Marfan syndrome, Loeys-Dietz syndrome, Familial Thoracic Aneurysm and Aortic Dissection (TAADs); outline spectrum of disease presentation and overlapping clinical features between syndromes
2. Describe novel TAAD genes: MYH11 and ACTA2 and the associated phenotypes
3. Describe molecular pathways that lead to TAADs

SC 104 Genetics of Arrhythmogenesis and Sudden Cardiac Death

G. Michael Vincent, MD
Professor of Medicine, LDS Hospital and University of Utah

Learning Objectives

1. Identify the genes and ion channels involved in each of the genetic arrhythmia disorders discussed
2. Recognize the classic diagnostic features of each disorder
3. Recognize the need for extended family member evaluation in order to provide early diagnosis and treatment, the most effective approach to prevent sudden deaths

SC 105 How Genetics is Influencing Practice: Focus on Neuromuscular Disease

Elizabeth McNally, MD, PhD
Professor and Director, Institute for Cardiovascular Research,
University of Chicago

Learning Objectives

1. Review cardiovascular disease in patients with neuromuscular disease
2. Describe the likelihood of obtaining a genetic diagnosis and the impact of this result on treatment
3. Illustrate the usefulness of information obtained from neuromuscular cardiovascular conditions to preventative care of other genetic forms of heart disease

SC 200 Familial Risk Assessment for Coronary Heart Disease

Maren Scheuner, MD, MPH, FACMG
Natural Scientist, RAND Corporation

Learning Objectives

1. Describe global risk assessment strategies for coronary heart disease
2. Explain the role of familial risk assessment in prevention of coronary heart disease
3. Recognize family history characteristics associated with increased risk for coronary heart disease

SC 201 Incorporating Cardiogenetics into Your Practice and Institution

Heather MacLeod, MS, CGC
Genetic Counselor, Children's Healthcare of Atlanta – Sibley
Heart Center

Additional speaker to be determined

Learning Objectives

1. Summarize tips and tools for setting up a cardiogenetics clinic at your institution
2. Describe our current roles and the practice model of our places of employment
3. Review logistics of our clinics' organization, how clinics were introduced to the community and how genetic testing is coordinated

SC 202 The Multiple Facets of Managing a Cardiogenetics Family: A Case-based Approach

Christina Honeywell, MSC, CCGC
Genetic Counselor and Genetics Educator, Children's Hospital
of Eastern Ontario

Julie Rutberg MS, CGC, CCRP
Genetic Counselor and Research Coordinator, Ottawa
Heart Institute

Learning Objectives

1. Describe the process of collecting data and samples from a sudden cardiac death case involving the coroner or pathologist, in order to determine the diagnosis or risk for surviving family members
2. Explain how a multidisciplinary team, including clinical and molecular genetics, pediatric and adult cardiology, and pathology can provide assessments that contribute to reaching a diagnosis in a family with an inherited cardiac condition
3. Identify the genetic counseling skills applied when family members are trying to cope with the risk for, or diagnosis of, a potentially life-threatening inherited cardiac condition

SC 203 The Psychological Implications of Inherited Cardiovascular Disease

Adrienne Kovacs, PhD, CPsych
Clinical and Health Psychologist, University Health Network

Alice Lara, RN, BSN
Director, Sudden Arrhythmia Death Syndromes Foundation

Learning Objectives

1. Recognize the elevated risk of mood and anxiety disorders among adults with inherited cardiac conditions, specifically congenital heart disease, congenital arrhythmias and hypertrophic cardiomyopathy
2. Identify the disease-specific psychological challenges faced by individuals with inherited cardiac conditions
3. Describe the psychological experiences of parents and partners of individuals with inherited cardiac conditions

2008 Short Course Planning Committee

Short Course Co-Chairs

Heather MacLeod
Amy Sturm

Registration Form

NSGC 27th Annual Education Conference and 2008 Short Course

Register today at www.nsgc.org (credit card payments only)

FIRST NAME: _____ LAST NAME: _____

MEMBER ID#: _____ DEGREE(S): _____

ADDRESS (CHECK ONE) HOME WORK: _____

CITY: _____ STATE/PROVINCE: _____ COUNTRY: _____ ZIP/POSTAL CODE: _____

DAYTIME PHONE: _____ FAX NUMBER: _____

E-MAIL ADDRESS: _____

Is this your first NSGC Annual Education Conference? Yes No

Registration Fees Payment accepted in US dollars by check, money/postal order, or credit card (online at www.nsgc.org).

	Early-bird Registration (on or before August 29)	Regular Registration (after August 29)		Early-bird Registration (on or before August 29)	Regular Registration (after August 29)
27th NSGC Annual Education Conference			27th NSGC Annual Education Conference		
2008 AEC			2008 Short Course		
NSGC Member	<input type="checkbox"/> \$335	<input type="checkbox"/> \$390	NSGC Member	<input type="checkbox"/> \$240	<input type="checkbox"/> \$290
NSGC Student Member	<input type="checkbox"/> \$235	<input type="checkbox"/> \$235	NSGC Student Member	<input type="checkbox"/> \$175	<input type="checkbox"/> \$175
Non-Member	<input type="checkbox"/> \$450	<input type="checkbox"/> \$500	Non-Member	<input type="checkbox"/> \$365	<input type="checkbox"/> \$405
Student Non-Member	<input type="checkbox"/> \$265	<input type="checkbox"/> \$350	Student Non-Member	<input type="checkbox"/> \$205	<input type="checkbox"/> \$255
AEC CEU Fee	<input type="checkbox"/> \$ 25	<input type="checkbox"/> \$ 25	Short Course CEU Fee	<input type="checkbox"/> \$ 25	<input type="checkbox"/> \$ 25
Single-Day Registration			Guest Pass		
NSGC Member	<input type="checkbox"/> \$150	<input type="checkbox"/> \$200		<input type="checkbox"/> \$120	<input type="checkbox"/> \$120
NSGC Student Member	<input type="checkbox"/> \$110	<input type="checkbox"/> \$110	Online Access to Content		
Non-Member	<input type="checkbox"/> \$200	<input type="checkbox"/> \$250	AEC Online Content Access in conjunction with		
Student Non-Member	<input type="checkbox"/> \$125	<input type="checkbox"/> \$175	AEC Registration		
Single-Day CEU Fee	<input type="checkbox"/> \$ 25	<input type="checkbox"/> \$ 25		<input type="checkbox"/> \$ 49	<input type="checkbox"/> \$ 49
Please select the day of attendance: <input type="checkbox"/> Sat <input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tues			AEC Online Content Access in conjunction with		
			Short Course Registration (<i>without AEC Registration</i>)		
				<input type="checkbox"/> \$ 99	<input type="checkbox"/> \$ 99
			Short Course Online Content Access		
			in conjunction with Short Course Registration		
				<input type="checkbox"/> \$ 39	<input type="checkbox"/> \$ 39
			Short Course Online Content Access		
			in conjunction with AEC Registration		
			(<i>without Short Course Registration</i>)		
				<input type="checkbox"/> \$ 69	<input type="checkbox"/> \$ 69

TOTAL AMOUNT ENCLOSED \$ _____

Payment Information

Check enclosed (payable to NSGC in US funds) Visa MasterCard American Express

CARD NUMBER _____ EXP. DATE _____

NAME ON CARD _____ SIGNATURE _____

Return this form by October 10, 2008 to: NSGC Registration, 2377 Paysphere Circle, Chicago, IL, 60674; or fax to 312.673.6972 (credit card payments only). After October 10, you will need to register onsite in Los Angeles.

Please indicate any special needs:



Cancellation Policy

Cancellation requests received after August 8 are subject to a \$75 cancellation fee. No refunds are issued for cancellations received after October 1.