ACHIEVING NEW HEIGHTS IN LIPID MANAGEMENT

Clinical Lipid Update
February 27–March 1, 2015
Pre-Conference Workshops
February 26–27, 2015

Grand Hyatt Denver | Denver, CO

lipid.org/springclu
Enhance your career by attending the National Lipid Association’s Clinical Lipid Update (CLU) in Denver this spring. Based on this year’s theme, “Achieving New Heights in Lipid Management,” you will learn about the latest controversies in lipid management, the impact of public policy in health care, evolving strategies for prediction and treatment, and emerging targets for atherosclerosis prevention. The sessions, symposia, and case presentations are presented by renowned faculty and thought leaders from around the world. Visit the exhibit hall to learn about the latest products and services. To prepare for certification in Clinical Lipidology, attend one of two pre-conference workshops.*

**Who should attend the Spring CLU:**
- Physicians
- Physician Assistants
- Pharmacists
- Nurses
- Nurse Practitioners
- Registered Dietitians
- Exercise Specialists
- Researchers

**Why you should attend the Spring CLU:**
- Enhance Your Professional Development through Pre-Conference Workshops*
- Earn Continuing Education Credits
- Meet World-Class Faculty
- Learn About the Latest Products and Services
- Attend Networking Events

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**Featured Presentations**

*Featured Presentations*

**ApoB in Risk Assessment and the Diagnosis and Treatment of the Atherogenic Dyslipoproteinemias**
Allan D. Sniderman, MD  
Sunday, March 1 at 9:00 AM

**Understanding the Molecular Biology of Atherosclerosis: The Future of Prevention and Intervention in Heart Disease**
Paul N. Hopkins, MD, MSPH  
Saturday, February 28 at 10:30 AM

**The ApoC-III Story: Hypertriglyceridemia, Atherogenesis, and Therapeutic Inhibition**
Frank M. Sacks, MD  
Saturday, February 28 at 1:45 PM

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**Lipid Academy**
The NLA’s Lipid Academy provides a comprehensive, in-depth indoctrination to lipid science and is open to all health care professionals interested in developing a core competency in the diagnosis and treatment of dyslipidemia. The Lipid Academy provides health professionals with the knowledge and tools necessary to work effectively in a lipid practice, and will serve as a preparatory course for other advanced lipid training.

**Masters in Lipidology**
The NLA’s Masters in Lipidology offers an in-depth review of the core curriculum in Clinical Lipidology for health care professionals who desire to practice at an advanced level within the field. The case-based, interactive agenda will improve your clinical decision-making skills and help prepare you for certification. Learn from leading experts, assess your knowledge of lipid science, and advance your personal standard of practice.

**Exhibit Hall**
Visit the Exhibit Hall to see the latest pharmaceuticals, equipment, and other essential products and services to help you practice more effectively.

*Separate registration required*
Keynote Address
Janet S. Wright, MD

Working Together to Prevent One Million Heart Attacks and Strokes

About Million Hearts®
Million Hearts® is a national initiative that has set an ambitious goal to prevent 1 million heart attacks and strokes by 2017. The impact will be even greater over time. Million Hearts® will promote innovations to identify people now at cardiac risk, ensure that they receive appropriate treatment, reduce the need for blood pressure and cholesterol treatment, promote healthy diet and physical activity, and support smoke-free environments to reduce current and future cardiac risk. Through communication, clinical measurement, and reporting to tens of thousands of health care providers and thousands of health care facilities for outpatient care, Million Hearts® will provide a necessary focus showing that the ABCS (Aspirin for people at risk, Blood pressure control, Cholesterol management, Smoking cessation) are a top priority.

Attend the Keynote Address on Friday, February 27 at 4:00 pm to hear Janet Wright, MD discuss how we can work together to prevent one million heart attacks and strokes.

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### Schedule-at-a-Glance

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<tr>
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<th>Thursday, February 26</th>
<th>Friday, February 27</th>
<th>Saturday, February 28</th>
<th>Sunday, March 1</th>
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<tr>
<td><strong>General</strong></td>
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<td>Pre-Conference Workshops*</td>
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<tr>
<td>Masters in Lipidology</td>
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<td>Lipid Academy</td>
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<td>Lipid Academy Registration</td>
<td>7:30–8:00 AM</td>
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<td>Keynote Address</td>
<td>4:00–4:30 PM</td>
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<td>Session Registration</td>
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<td>Lipid Academy</td>
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<td>General Session I</td>
<td>4:00–6:00 PM</td>
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<td>Session II</td>
<td>8:00–10:00 AM</td>
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<td>Session III</td>
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<td>Session IV</td>
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<td>Session V</td>
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<td><strong>Exhibit Hall</strong></td>
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<td>Welcome Reception in</td>
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<td>Exhibit Hall</td>
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<tr>
<td>NLA News &amp; Notes</td>
<td>12:30–12:45 PM</td>
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<tr>
<td>FNLA Event: Pints &amp; Bites</td>
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*Separate registration required

Register early and save • lipid.org/springclu
## Clinical Lipid Update Agenda

### Friday, February 27

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>3:45–4:00 PM</td>
<td>Presidents Welcome &amp; Introductions</td>
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<tr>
<td>4:00–4:30 PM</td>
<td><strong>Session I—Understanding the Impact of Public Policy in Healthcare</strong></td>
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<tr>
<td>4:00–4:30 PM</td>
<td><strong>Keynote Address</strong> – Working Together to Prevent One Million Heart Attacks and Strokes</td>
<td>Janet S. Wright, MD</td>
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<tr>
<td>4:30–5:00 PM</td>
<td>Clinical Impacts of Cardiovascular Prevention Policy: A Lipidologist’s Perspective</td>
<td>Thomas A. Pearson, MD, PhD, MPH, FNLA*</td>
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<td>5:00–5:30 PM</td>
<td>CVD Prevention: Large Healthcare System Perspective</td>
<td>Ronald D. Scott, MD</td>
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<td>5:30–6:00 PM</td>
<td>Q&amp;A Panel</td>
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<tr>
<td>6:00–7:00 PM</td>
<td>Welcome Reception in Exhibit Hall</td>
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00–7:50 AM</td>
<td>Breakfast in Exhibit Hall</td>
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<tr>
<td>7:50–8:00 AM</td>
<td>Morning Notes</td>
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<tr>
<td>8:00–8:25 AM</td>
<td>Understanding Risk Assessment – AHA/ACC Viewpoint on Guidelines</td>
<td>David C. Goff, Jr., MD, PhD</td>
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<tr>
<td>8:25–8:50 AM</td>
<td>NLA Recommendations for Patient-Centered Management of Dyslipidemia</td>
<td>Matthew K. Ito, PharmD, CLS, FNLA</td>
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<tr>
<td>8:50–9:00 AM</td>
<td>Incorporating Technology into Practice: Introducing the NLA Recommendations App</td>
<td>Carl E. Orringer, MD, FNLA*</td>
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<tr>
<td>9:00–9:20 AM</td>
<td>Clinical Controversies: The Material Differences Between the Treatment Guidelines and Recommendations for Dyslipidemia</td>
<td>Carl E. Orringer, MD, FNLA*</td>
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<td>9:20–9:40 AM</td>
<td>Next Steps in Lipid Management: An Expert Panel Discussion</td>
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<td>9:40–10:00 AM</td>
<td>Q&amp;A Panel</td>
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<td>Break in Exhibit Hall</td>
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<tr>
<td>10:30–11:00 AM</td>
<td><strong>Session III—Evolving Strategies for ASCVD Prediction and Prevention</strong></td>
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<td>Understanding the Molecular Biology of Atherosclerosis: The Future of Prevention and Intervention in Heart Disease</td>
<td>Paul N. Hopkins, MD, MSPH *</td>
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<td>11:00–11:30 AM</td>
<td>Predicting Risk of Coronary Artery Disease Through Inflammatory Markers</td>
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<td>11:30 AM–12:00 PM</td>
<td>Understanding the Effects of Lipid Lowering Therapy on Carotid Atherosclerotic Plaques</td>
<td>Xue-Qiao Zhao, MD</td>
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Register early and save • lipid.org/springclu
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<td><strong>Session IV— Treatment Strategies for Hypertriglyceridemia</strong></td>
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<td>1:45–2:15 PM</td>
<td>The ApoC-III Story: Hypertriglyceridemia, Atherogenesis, and Therapeutic Inhibition</td>
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<td>2:15–2:45 PM</td>
<td>Absence of Clinical Outcome Trials Treating Moderate or Severe Hypertriglyceridemia: What is a Clinician to Do?</td>
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<td>2:45–3:15 PM</td>
<td>Clinical Management of Hypertriglyceridemia: State of the Art 2015</td>
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<td>Q&amp;A Panel</td>
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<td>3:45–4:00 PM</td>
<td>Break</td>
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<td><strong>Session V—Controversies in Lifestyle Management</strong></td>
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<td>4:00–4:30 PM</td>
<td>The Role of Nutraceutical Supplements in the Treatment of Dyslipidemia</td>
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<td>4:30–5:00 PM</td>
<td>Popular Weight Loss Diet Fads and Obesity Guidelines: Is There an Ideal Diet for Weight Reduction?</td>
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<td>5:00–5:30 PM</td>
<td>Exercise Pleiotrophy: Just Move &amp; Move Often</td>
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<td>Q&amp;A Panel</td>
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<tr>
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<td>FNLA Event: Pints &amp; Bites (See page 7 for more information)</td>
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<td><strong>Sunday, March 1</strong></td>
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<td>8:00–8:50 AM</td>
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<td><strong>Session VI—Lipoprotein Particles Versus Atherogenic Cholesterol: Which is a Better Target for Atherosclerosis Prevention?</strong></td>
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<td>ApoB in Risk Assessment and the Diagnosis and Treatment of the Atherogenic Dyslipoproteinemias</td>
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<td>9:30–10:00 AM</td>
<td>LDL Particle Composition and Size, LDL-C, LDL-P and Cardiovascular Risk Prediction: Appropriate Use of Diagnostic Laboratory Testing in Clinical Practice</td>
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<td>10:00–10:30 AM</td>
<td>Disparities Among HDL-C, HDL-P, and HDL Function: Strategies for Risk Prediction and Treatment</td>
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<td>10:30–11:00 AM</td>
<td>Q&amp;A Panel</td>
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*Denotes Diplomate, American Board of Clinical Lipidology (ABCL)

The NLA invites speakers and guests to provide scientific medical opinion, which do not necessarily reflect the policy of the NLA. The schedule and faculty are subject to change.
For reservations, please call 1.888.421.1442 and ask for the National Lipid Association’s room rate. A special room rate starting at $179 per night plus tax has been arranged. This group rate will be available until January 19, 2015, or until the room block is filled. Please make your reservation early as we do anticipate the room block will sell out.

About the Hotel
Located in downtown Denver, the Grand Hyatt Denver is close to the city’s most popular historic, cultural, and entertainment venues. The hotel is ideally located one short block from the 16th Street Mall and walking distance to the best attractions. At Pub 17 on Welton Street, enjoy one of Denver’s newest brew pubs that captures the mood and flavor of the Mile High City by providing local microbrews, regional wines, and high plains culinary fare. The hotel offers spectacular views of the Rocky Mountains and downtown. Unwind in the indoor heated pool or exercise at the StayFit™ gym with a rooftop outdoor jogging track. To learn more, please visit granddenver.hyatt.com.

Take advantage of these great hotel features:
- Skycourt with rooftop outdoor jogging track
- Onsite Starbucks Café
- 24-hour in-room dining
- Fully equipped exercise facility
- Indoor swimming pool with ADA lift
- 24-hour business center
- In-room laptop-sized electronic safe
- Multilingual staff
- Dog-friendly rooms

Book your airfare on United Airlines and receive up to 5% off of your flight to Denver. Book your flight on united.com and enter ZTNKS10485 in the “Offer Code” box when searching for your flight.
Things to Do in Denver

Enjoy city sophistication in a location that is one of the world’s natural wonders. Obviously a hub for those seeking the Rocky Mountain ski slopes, Denver is also home to four major sports teams, great museums, and a wide variety of neighborhoods that make the city a destination in its own right. As one of the most walkable cities, you can enjoy downtown Denver without a car. Or extend your stay and enjoy a few days on the slopes in the Rocky Mountains.

**Colorado State Capitol**
200 E Colfax Ave.
Denver, CO 80203
Visit the Colorado State Capital Building, a gorgeous domed building at the southern edge of downtown. A key feature in the Denver skyline because of its gold bell-shaped dome, the Capitol building has a point located at exactly 5,280 feet above sea level. Free tours are available for visitors. Climb 93 steps to the rotunda for a grand view of the mountain panorama visible from the city.

**Denver Art Museum**
100 W 14th Ave Pkwy.
Denver, CO 80204
The Denver Art Museum’s Hamilton Building is an architectural work of art. Designed by Daniel Libeskind, it will change the way you experience art and architecture. With galleries showcasing more than 68,000 works by famed artists such as Georgia O’Keeffe, Vincent Van Gogh, and Salvador Dali, the Denver Art Museum houses one of the most impressive collections between Chicago and the West Coast.

**Denver’s 16th Street Mall**
16th Street
Denver, CO 80202
Discover the 16th Street Mall, located in downtown Denver only a block from the Grand Hyatt. The mile-long, pedestrian friendly Mall is packed with shopping, restaurants, and attractions. Designed by famed architect I.M. Pei, the pedestrian promenade is made of red, white, and gray granite in a repeating pattern that, seen from above, resembles the skin of a Diamondback rattlesnake. Free electric shuttle buses travel up and down the Mall, stopping on every corner.

**Ski resorts close to Denver**
The closest major destination resort to Denver, **Winter Park**, averages 350 inches of snow a year. Three interconnected mountains and high alpine bowl are spread out over 134 designated trails on 2,886 acres served by a network of 20 chairlifts. Just 53 miles west of Denver on I-70, **Loveland** has an average of 400 inches of snow annually. Book a daytrip package that includes lift tickets, equipment, and clothing rental. The legendary **Rocky Mountain National Park**, located just an hour from the Mile High City, offers spectacular snowshoeing and cross country skiing options that will take you to some of the most scenic and serene spots in all of Colorado.

Register early and save • lipid.org/springclu
FNLA Pints and Bites
Saturday, February 28

Denver Beer Company
4455 Jason St.
Denver, CO 80211
7:00–9:00 PM
$75 per person (A portion will go to educational initiatives of the Foundation of the NLA)

Join us on the evening of February 28 for a beer tasting at Denver Beer Company’s production facility. Learn about some of Denver’s finest brews while mingling with colleagues and friends over heavy hors d’oeuvres from Footer’s Catering. Serving only premium artisan ales and lagers, Denver Beer Company utilize fresh ingredients and embraces both innovative and old world styles of beer.

Transportation will be provided to and from this event.

Foundation Event

Mentor/Mentee Program

Are you early in your lipidoogy career or more experienced in lipidoogy? Did you know that the NLA has established a mentoring program to help develop the next generation of clinical, academic, and administrative leaders in the field of lipidoogy by pairing early career members with established members? We hope you will take the time to get involved in this wonderful initiative. More details including the Mentor/Mentee application are available on lipid.org/education/fellows.

Calling all NLA Fellows-in-Training who are Interested in Volunteer Opportunities!

As an NLA fellow-in-training member, there are several opportunities to get involved. Become active with the NLA by applying to sit on a chapter board or an established committee. For more information, please visit lipid.org/education/fellows and click on Get Involved with the NLA!
Clinical Lipid Update
Friday, February 27 • 3:45–6:00 PM
Saturday, February 28 • 8:00 AM–6:00 PM
Sunday, March 1 • 9:00–11:00 AM
$495 NLA Members, $895 Non-Members, $75 Trainees

Target Audience
This activity is designed to meet the needs of physicians, physician assistants, pharmacists, registered nurses, nurse practitioners, advance practice registered nurses, and registered dietitians with an interest in lipid management.

Type of Activity
Live Activity
Knowledge (Sessions I, III-IV, VI)
Application (Sessions II, V)

Educational Objectives
At the conclusion of this activity, registered nurses and nurse practitioners should be able to provide appropriate counsel for patients and their families.

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

Session I—Understanding the Impact of Public Policy in Healthcare
- Discuss the role of collaborations among health system stakeholders in promotion of population health initiatives
- Describe the strategic direction of public health policy and its impacts on the health care delivery system
- Describe the potential impact of limiting health care delivery decisions to level 1A evidence in atherosclerosis prevention

Session II—Controversies in Clinical Lipid Management
- Outline current patient guidelines for the diagnosis, management, and treatment of dyslipidemia
- Define the National Lipid Association’s Recommendations for Patient-Centered Management of Dyslipidemia
- Compare and contrast the effectiveness of available guidelines for the management of dyslipidemia
- Apply guidelines into daily practice to help patients reach goals

Session III—Evolving Strategies for ASCVD Prediction and Prevention
- Critically assess the evidence regarding the utility of inflammatory biomarkers as diagnostic tests for the prevention and treatment of atherosclerosis
- Review the pathogenesis of atherosclerotic plaque development and progression
- Review recent clinical trials utilizing aggressive multi-drug lipid-lowering therapies on atherosclerotic plaque composition and clinical outcomes

Session IV—Treatment Strategies for Hypertriglyceridemia
- Discuss the efficacy and safety of combination lipid drug treatment for the management of hypertriglyceridemia
- Discuss evidence regarding triglycerides as a risk factor for pancreatitis and cardiovascular disease including the clinical implications for patient management
- Discuss future targets for management of triglyceride-rich atherogenic cholesterol particles

Session V—Controversies in Lifestyle Management
- Utilize effective diet and lifestyle strategies for dyslipidemia management
- Interpret evidence from recent clinical trials of approved omega-3 fatty acids and those in clinical development
- Outline the impact of various fad, trend and popular diets on short-term and long-term weight loss and atherosclerosis prevention

Session VI—Lipoprotein Particles Versus Atherogenic Cholesterol: Which is a Better Target for Atherosclerosis Prevention
- Evaluate apolipoprotein B (Apo B) as a universal target of atherosclerosis prevention
- Discuss the assessment and clinical impact of utilizing LDL particle and VLDL particle concentrations (LDL-P and VLDL-P) versus lipoprotein atherogenic cholesterol content in atherosclerosis and residual risk
- Discuss recent evidence regarding the clinical utility and implications for patient management of HDL particle concentration (HDL-P) versus HDL cholesterol concentration (HDL-C) as a target for CVD risk assessment and modification

Register early and save • lipid.org/springclu
Program Co-Chairs

Paul D. Rosenblit, MD, PhD, FNLA*
President, Pacific Lipid Association
Director, Diabetes/Lipid Management & Research Center
Huntington Beach, CA
Clinical Professor of Medicine
Division of Endocrinology, Diabetes and Metabolism
University of California
Irvine School of Medicine
Irvine, CA
Co-Director, Diabetes Out-Patient Clinic
UCI Medical Center
Orange, CA

P. Barton Duell, MD
President-Elect, Pacific Lipid Association
Director, Lipid Disorder Clinic
Director, Lipid-Atherosclerosis Laboratory
Oregon Health & Science University
Portland, OR

Krishnaswami Vijayaraghavan, MD, MS, FNLA*
President, Southwest Lipid Association
Professor of Medicine,
Midwestern University
Glendale, AZ
Vice President,
Scottsdale Cardiovascular Center
President,
Cardiorenal Society of America
Scottsdale, AZ

Thomas A. Haffey, DO, FNLA*
President-Elect, Southwest Lipid Association
Professor of Medicine
Western University/COMP
Denver, CO

Program Planners

Anne C. Goldberg, MD, FACP, FNLA*
President, Foundation of the NLA
Associate Professor of Medicine
Washington University School of Medicine
St. Louis, MO

Terry A. Jacobson, MD, FNLA**
President, National Lipid Association
Director, Office of Health Promotion and Disease Prevention
Professor of Medicine
Emory University
Atlanta, GA

Carl E. Orringer, MD, FACC, FNLA**†
President-Elect, National Lipid Association
Associate Professor of Medicine
University of Miami
School of Medicine
Miami, FL

Robert A. Wild, MD, MPH, PhD, FNLA*
Treasurer, National Lipid Association
Professor, Clinical Lipidology and Obstetrics and Gynecology
Oklahoma University Health Sciences Center
Oklahoma City, OK

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<table>
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<tr>
<th>Program Faculty</th>
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| **Eliot A. Brinton, MD, FNLA***  
President, American Board of Clinical Lipidology  
Director of Atherometabolic Research  
Utah Foundation for Biomedical Research  
President, Utah Lipid Center  
Salt Lake City, UT |
| **David C. Goff, Jr., MD, PhD**  
Dean, Colorado School of Public Health  
University of Colorado at Denver  
Aurora, CO |
| **Paul N. Hopkins, MD, MSPH***  
Professor of Internal Medicine  
University of Utah  
Salt Lake City, UT |
| **Mark C. Houston, MD, MS, MSc**  
Associate Clinical Professor Medicine  
Vanderbilt Medical School  
Direction Hypertension Institute  
Nashville, TN |
| **Matthew K. Ito, PharmD, FCCP, CLS, FNLA**  
Immediate Past President, National Lipid Association  
Professor of Pharmacy Practice  
Oregon State University  
Oregon Health & Science University  
College of Pharmacy  
Portland Campus at Oregon Health & Science University  
Portland, OR |
| **Ralph L. La Forge, MSc, CLS, FNLA**  
Immediate Past President, Southeast Lipid Association  
Clinical Exercise Physiologist  
Durham, NC |
| **Rachel H. Mackey, PhD, MPH**  
Assistant Professor of Epidemiology  
University of Pittsburgh Graduate School of Public Health  
Pittsburgh, PA |
| **Samia Mora, MD**  
Assistant Professor of Medicine  
Division of Preventive Medicine  
Brigham and Women’s Hospital  
Harvard Medical School  
Boston, MA |
| **Thomas A. Pearson, MD, PhD, MPH, FNLA***  
Executive Vice President for Research and Education  
Professor of Epidemiology and Medicine  
University of Florida Health Sciences Center  
Gainesville, FL |
| **Frank M. Sacks, MD**  
Professor of Cardiovascular Disease Prevention, Nutrition Department, Harvard School of Public Health; Professor of Medicine  
Harvard Medical School; Senior Physician, Channing Division of Network Medicine, Brigham & Women’s Hospital  
Boston, MA |
| **Ronald D. Scott, MD**  
Kaiser Permanente  
So Cal CVD Co-Lead  
West Los Angeles Medical Center  
Los Angeles, CA |
| **Geeta Sikand, MA, RDN, CLS, FAND, FNLA**  
Associate Clinical Professor of Medicine: Cardiology  
University of California Irvine School of Medicine  
Director of Nutrition, University of California Irvine Preventive Cardiology Program  
Irvine, CA |
| **Allan D. Sniderman, MD***  
Edwards Professor of Cardiology, Professor of Medicine  
McGill University  
Royal Victoria Hospital  
Montreal, Canada |
| **Janet S. Wright, MD**  
Executive Director  
Million Hearts  
Department of Health and Human Services  
CDC and CMS  
Baltimore, MD |
| **Xue-Qiao Zhao, MD**  
Research Professor of Medicine  
Director, Clinical Atherosclerosis Research Lab  
Division of Cardiology  
University of Washington  
Seattle, WA |

*Denotes Diplomate, American Board of Clinical Lipidology (ABCL)  
† Denotes Program Faculty

The NLA invites speakers and guests to provide scientific medical opinion, which do not necessarily reflect the policy of the NLA. The schedule and faculty are subject to change.
Lipid Academy
Thursday, February 26 • 8:45 AM–5:15 PM
Friday, February 27 • 9:00 AM–3:00 PM
$495 NLA Members, $950 Non-Members, $0 Trainees

Overview
The NLA’s Lipid Academy provides a comprehensive, in-depth indoctrination to lipid science and is open to all health care professionals interested in developing a core competency in the diagnosis and treatment of dyslipidemia. The interactive Lipid Academy course provides health professionals with the knowledge and tools necessary to work effectively in a lipid practice, and will serve as a preparatory course for the Annual Scientific Forum and other advanced lipid training. Additionally, participants earn NLA endorsed lipid education credits that will help to fulfill the CME requirements necessary to be eligible for the Clinical Lipidologist physician certifying examination, the Clinical Lipid Specialist (CLS) Certification (allied health professional) examination or the Basic Competency in Clinical Lipidology (BCCL) exam offered by the Accreditation Council for Clinical Lipidology (ACCL).

Target Audience
This activity is designed to meet the needs of physicians, physician assistants, pharmacists, advance practice registered nurses, registered nurses, nurse practitioners, and registered dietitians with an interest in lipid management.

Type of Activity
Knowledge and Application

Learning Objectives
At the conclusion of this activity, participants should be able to:

• Describe the functions and sources of cholesterol and triglycerides, including the role of lipoproteins in atherosclerosis
• Explain the pathogenesis of atherosclerosis
• Identify the role of inflammation in atherogenesis
• Discuss clinical trials including their role in lipid and lipoprotein treatment in cardiovascular prevention
• Review the clinical trials of lipid-altering drug therapies used in cardiovascular disease prevention
• Apply basic principles of statistics to enhance understanding of clinical trials related to lipid management
• Compare and contrast the effectiveness of available risk assessment instruments and markers in predicting CV risk in all population groups
• Identify primary and secondary causes of dyslipidemia
• Recognize the role of drug therapy in the management of dyslipidemia
• Review the mechanism of action, pharmacokinetics, and efficacy of available FDA-approved drugs for the management of lipid disorders
• Assess the side effects of lipid-altering drugs to encourage their safe use in cardiovascular disease prevention
• Describe the appropriate use of lipid-altering drugs in special populations
• Describe effective diet and lifestyle strategies for long-term obesity and dyslipidemia management
• Describe the association of specific dietary patterns such as increased sodium and sugar intake, and the increased risk for cardiovascular disease associated morbidity and mortality
• Compose a clinical care plan for reducing risk of CVD in patients with dyslipidemia
• Analyze case studies in lipid management to improve treatment and prevention of cardiovascular disease
• Analyze lipid cases for health professionals seeing patients with complex disorders
• Identify the management of dyslipidemia in special populations based on gender, culture, and disease variables
• Outline current guidelines on the management and treatment of patients with dyslipidemia

For Registered Nurses and Nurse Practitioners only
Provide appropriate care and counsel for patients and their families
Overview
This intensive 2-day training course offers an in-depth review of the core curriculum in Clinical Lipidology for healthcare professionals who desire to practice at an advanced level within the field. The new case-based, interactive agenda will improve your clinical decision-making skills and help prepare you for certification by the American Board of Clinical Lipidology (ABCL) or the Accreditation Council in Clinical Lipidology (ACCL). For those not preparing for certification, the course provides an excellent update and refresher on core concepts in Lipidology. Learn from leading experts, assess your knowledge of lipid science, and advance your personal standard of practice.

Target Audience
This activity is designed to meet the needs of physicians, physician assistants, pharmacists, registered nurses, advanced practice registered nurses, nurse practitioners, and registered dietitians with an interest in lipid management.

Type of Activity
Knowledge and Application

Learning Objectives:
At the conclusion of this activity, participants should be able to:

- Explain lipoprotein metabolism and its role in the pathogenesis of atherosclerosis
- Describe genetic disorders affecting lipoprotein metabolism
- Describe the vascular biology and pathophysiology of atherosclerosis
- Apply basic principles of evidence-based medicine to enhance understanding of clinical trial results, methods for cardiovascular risk stratification, and applying new research into practice
- Explain clinical practice guidelines, the different types of evidence used to make clinical guidelines, and the role of clinical judgment in applying guidelines to practice
- Outline current issues and approaches to global cardiovascular risk assessment
- Assess traditional and emerging biomarkers for the prevention and treatment of atherosclerotic cardiovascular disease
- Review the role of subclinical atherosclerosis testing (imaging) in cardiovascular disease risk assessment and management
- Identify the evidence base that supports current dietary recommendations for heart health
- Describe effective diet and lifestyle (exercise, weight management) strategies for the management of dyslipidemia and cardiovascular risk
- Explain how obesity and adiposopathy contribute to the metabolic syndrome and diabetes mellitus
- Identify management strategies for the cardiometabolic risk factors of the metabolic syndrome
- Review the mechanism of action, pharmacokinetics, and efficacy of approved drugs for the management of lipid disorders
- Assess the side effects of lipid-altering drugs to encourage their safe use in cardiovascular disease prevention
- Review clinical trials of lipid-altering drug therapies used in cardiovascular disease prevention
- Describe combination therapies for the management of complex lipid disorders and residual risk
- Manage complex dyslipidemia and dyslipidemia in special populations

For Registered Nurses and Nurse Practitioners only
Provide appropriate care and counsel for patients and their families
Clinical Lipid Update:

CME credit provided by the National Lipid Association

Physicians
The National Lipid Association is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The National Lipid Association designates this live activity for a maximum of 12.00 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in this activity.

Physician Assistants
NCCPA accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.

Dietitians
The National Lipid Association is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 12 continuing professional education units (CPEUs) for completion of this program/materials. CDR Accredited Provider #L0002.

American Academy of Family Physicians
Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

Lipid Academy:

CME credit provided by the National Lipid Association

Physicians
The National Lipid Association is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The National Lipid Association designates this live activity for a maximum of 12.25 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Physician Assistants
NCCPA accepts AMA PRA Category 1 Credits™ from organizations accredited by ACME.

Dietitians
The National Lipid Association is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 12 continuing professional education units (CPEUs) for completion of this program/materials. CDR Accredited Provider #L0002.

American Academy of Family Physicians
Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

Masters in Lipidology:

CME credit provided by the National Lipid Association

Physicians
The National Lipid Association is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The National Lipid Association designates this live activity for a maximum of 16.00 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Physician Assistants
NCCPA accepts AMA PRA Category 1 Credits™ from organizations accredited by ACME.

Dietitians
The National Lipid Association is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 12 continuing professional education units (CPEUs) for completion of this program/materials. CDR Accredited Provider #L0002.

American Academy of Family Physicians
Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

Full notification of commercial support will be provided in the activity syllabus.

Register early and save • lipid.org/springclus
# 2015 Clinical Lipid Update • February 27–March 1, 2015 • Grand Hyatt Hotel • Denver, CO

## Registration:
Registration and payment must be received no later than January 27, 2015. After this date a syllabus and name badge cannot be guaranteed.

## Cancellation:
Telephone cancellations will not be accepted. A written notice of cancellation must be received no later than January 27, 2015. This includes social events and guest fees. There will be a $100 fee for all cancellations.

## Special needs:
________________________________________________________

## ADA Compliance:
Attendees who need additional reasonable accommodations or who have special needs should contact the NLA at 904.998.0854.

## Trainee Rate:
Available for those individuals actively enrolled in a graduate or postgraduate training program for the treatment or investigation of lipid disorders and in pursuit of full credentialing in their specialized area of medical study. A letter from the program director or the school registrar must accompany the application.

Discount of $50 does not apply to Trainee Rate. Please fax or mail registration as you cannot register online.

## Registration Discount Disclaimer:
Discount codes cannot be retroactively applied to existing meeting registrations. The meeting discount codes are applicable to new registrants only.

## 3 Easy Ways To Register:
- Mail
  - National Lipid Association
  - 6816 Southpoint Parkway, Suite 1000
  - Jacksonville, FL 32216
- Fax
  - NLA at 904-998-0855
  - Fax with credit card number and signature
- Online
  - www.lipid.org/springclu

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## Guest name(s), if attending meeting:

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## Membership status:
- [ ] I am currently a member.
- [ ] My application for membership has been submitted and confirmed.
- [ ] I will apply at www.lipid.org.
- [ ] Please send me membership information.

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## Circle fee based on attendee type

<table>
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<tr>
<th>NLA Member Early Bird Rate</th>
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<th>Non-Member Rate</th>
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## Pre-Conference Workshops

- [ ] Masters in Lipidology:
  - February 26–27, 2015
    - $750

- [ ] Lipid Academy:
  - February 26–27, 2015
    - $550

### Registration Fee Total

| $_____ | $_____ | $_____ | $_____ |

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## Guest Fees and Special Events

- [ ] Exhibit Hall Pass-Guest(s):
  - $150

- [ ] Foundation Event – Pints & Bites:
  - $75

### Guest and Special Event Totals

- [ ] $150
- [ ] $75

Enter promo code from mailing label for $50 discount on Clinical Lipid Update only

- $50

### Combined Total Fees

- $_____
Use mailing label promo code to register for a $50 discount to the Clinical Lipid Update.

EXCEPTIONAL MEETING VENUE:
Grand Hyatt Hotel
Denver, CO

Register today and save!

Book your airfare on United Airlines and receive up to 5% off of your flight to Denver.
Book your flight on www.united.com and enter ZTNK510485 in the “Offer Code” box when searching for your flight.

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