Earn 28+ CME/CE Credits

Conference
August 26–28, 2016

Pre-Conference Courses
August 25–26, 2016

Omni Amelia Island
Plantation Resort
39 Beach Lagoon Rd
Amelia Island, FL 32034

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clinical lipid update
AUGUST 26–28
2016
AMELIA ISLAND, FL

Hosted by the Southeast and Northeast Chapters

Register at: lipid.org/fallclu

National Lipid Association
This activity is sponsored by the National Lipid Association.

Postgraduate Institute for Medicine
This activity is jointly provided by Postgraduate Institute for Medicine.
Attend the Fall Clinical Lipid Update (CLU) taking place August 26–28 at the beautiful Omni Amelia Island Plantation Resort.

This year’s Fall CLU will be a practice-changing experience that will elevate your patient care. World-renowned speakers are confirmed for this cutting-edge and unique program that will discuss novel targets of therapy, team-based clinical care approaches, and identification of rare triglyceride disorders.

Peter W. F. Wilson, MD, will be speaking in the first session on practical insights into clinical prevention and dyslipidemia management.

Michael Ozner, MD, will discuss the role of omega-3 fatty acids in the treatment and prevention of CVD on Saturday morning. In the afternoon, Michael J. Koren, MD, will give an update on the evolving line of lipid altering medications. Therapeutic options for triglyceride lowering will be addressed by Dave L. Dixon, PharmD.

Register today for the Fall CLU to gain real-world perspective on how to manage your patients and overcome common obstacles in your practice. Connect with renowned faculty and your colleagues to share ideas and get your questions answered.

## PRE-CONFERENCE COURSES

### Lipid Academy

- **Thursday, August 25 | 8:30 AM–5:15 PM**
- **Friday, August 26 | 8:30 AM–3:00 PM**

$550 NLA Members, $950 Non-Members, $0 Trainees

Attend the Lipid Academy, perfect for first-time attendees of the CLU.

- In-Depth Indoctrination to Lipid Science
- Development of Core Competencies in Diagnoses and Treatment of Dyslipidemia
- Interactive Course Design

### Masters in Lipidology

- **Thursday, August 25 | 8:00 AM–6:00 PM**
- **Friday, August 26 | 7:30 AM–3:30 PM**

$750 NLA Members, $1,250 Non-Members, $395 Trainees

Register for the Masters in Lipidology course today. The new case-based, interactive agenda will improve your clinical decision making skills and help prepare you for certification in clinical lipidology.

- Intensive 2-Day Training Course
- In-Depth Review of the Core Curriculum in Clinical Lipidology
- Ideal for the Advanced Level Practitioner

For more information on the pre-conference courses, visit lipid.org/fallclu.
KEYNOTE: Primary Prevention and the Challenge of Early Intervention for the Clinician

Neil J. Stone, MD, FNLA*
Medical Director, Center for Vascular Disease
Bluhm Cardiovascular Institute
Bonow Professor of Medicine
Northwestern University’s Feinberg School of Medicine
Chicago, IL

Friday, August 26
4:00–4:30 PM
General Session Room

FEATURED FACULTY

Triglycerides & Cardiovascular Disease—An Update

Saturday, August 27
4:25–4:50 PM
General Session Room

Ira J. Goldberg, MD, FNLA
Clarissa and Edgar Bronfman, Jr. Professor
Director, Division of Endocrinology, Diabetes and Metabolism
New York University Langone Medical Center
New York, NY

* Diplomate, American Board of Clinical Lipidology

KEYNOTE: Regression of Atherosclerosis: The Journey from the Liver to the Plaque and Back

Edward Fisher, MD, PhD, FNLA
Director, The Lipid Treatment and Research Center
Professor of Cardiovascular Medicine
New York University
School of Medicine
New York, NY

Saturday, August 27
8:00–8:45 AM
General Session Room

Cardinal events in atherogenesis are the retention of apolipoprotein B–containing lipoproteins in the arterial wall and the reaction of macrophages to these particles. My laboratory has been interested in both the cell biological events producing apolipoprotein B–containing lipoproteins, as well as in the reversal of the damage they cause in the plaques formed in the arterial wall. In the 2013 George Lyman Duff Memorial Lecture, as summarized in this review, I covered 3 areas of my past, present, and future interests, namely, the regulation of hepatic very low density lipoprotein production by the degradation of apolipoprotein B100, the dynamic changes in macrophages in the regression of atherosclerosis, and the application of nanoparticles to both image and treat atherosclerotic plaques.

KEYNOTE: Statins and Type 1 Diabetes Mellitus: When and How?

Robert H. Eckel, MD, FNLA*
Charles A. Boettcher Endowed Chair in Atherosclerosis
Professor of Medicine
Division of Endocrinology, Metabolism and Diabetes
Cardiology Professor of Physiology and Biophysics
Program Director
Adult General Clinical Research Center
University of Colorado
Anschutz Medical Campus
Aurora, CO

Sunday, August 28
9:00–9:40 AM
General Session Room

Type 1 diabetes mellitus (T1DM) is well recognized to be associated with a higher incidence and prevalence of atherosclerotic cardiovascular disease (ASCVD). However, randomized clinical trials in which risk factors for ASCVD events, including lipids, have been modified are nonexistent for T1DM patients. Thus, any model that attempts to define risk such as the Steno Risk Engine and the Swedish National Diabetes Register (NDR) are based almost entirely on observational data. However, the Cholesterol Treatment Trialists’ (CTT) Collaborators have analyzed data from 18,686 individuals with diabetes (1466 with T1DM and 17,220 with T2DM) in the context of a further analysis of 71,370 without diabetes in 14 randomized trials of statin therapy. In patients labeled as T1DM, there was some limited direct evidence of benefit in (0.79, 99% CI 0.62–1.01; p=0.01) (Lancet 371:12-18, 2008). However, the number of patients with T1DM varied from 0% (3 trials) to 13.3% with only one trial including more than 5% and average age of T1DM patients was 55±11 years. Many questions related to statins in T1DM arise: when should statins be initiated, and is that age dependent or duration of T1DM dependent? How much other risk factors should be taken into consideration? What about dosage? Is the atherosclerotic process the same in T1DM and T2DM?
# Agenda

## Friday, August 26

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>3:45–4:00 PM</td>
<td>Presidents Welcome &amp; Introductions and ARS Questions</td>
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<tr>
<td>4:00–4:30 PM</td>
<td><strong>KEYNOTE</strong>: Primary Prevention and the Challenge of Early Intervention for the Clinician Neil J. Stone, MD, FNLA*</td>
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<tr>
<td>4:30–5:00 PM</td>
<td>Cholesterol Efflux, HDL, and PCSK9: New insights and Clinical Applicability TBD</td>
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<tr>
<td>5:00–5:30 PM</td>
<td>Type 2 Diabetes, Metabolic Syndrome, and Dyslipidemia: Where Does the Risk Lay? Peter W. F. Wilson, MD, FNLA*</td>
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<td>5:30–6:00 PM</td>
<td>Q&amp;A Panel and ARS Questions</td>
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<tr>
<td>6:00–7:00 PM</td>
<td>Welcome Reception in Exhibit Hall</td>
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## Saturday, August 27

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<tr>
<th>Time</th>
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<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 &amp; ARS Questions</td>
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<tr>
<td>8:00–8:45 AM</td>
<td><strong>KEYNOTE</strong>: Regression of Atherosclerosis: The Journey from the Liver to the Plaque and Back Edward Fisher, MD, PhD, FNLA</td>
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<tr>
<td>8:45–9:10 AM</td>
<td>Measuring Regression of Coronary Atherosclerosis Through Imaging Allen J. Taylor, MD, FACC, FAHA</td>
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<tr>
<td>9:10–9:35 AM</td>
<td>Role of Omega-3 Fatty Acids in the Treatment and Prevention of CVD Michael Ozner, MD, FACC, FAHA</td>
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<td>9:35–9:55 AM</td>
<td>Q&amp;A Panel and ARS Questions</td>
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<td>9:55–10:20 AM</td>
<td>Break in Exhibit Hall</td>
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## Session II: Technology and Fatty Acids: Meeting the Players in CVD Prevention

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<tr>
<td>10:20–10:25 AM</td>
<td>ARS Questions</td>
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<tr>
<td>10:25–10:50 AM</td>
<td>Dietary Fatty Acids, Cholesterol, and Gene Expression: Are We Ready for Personalized Nutrition Counselling for CVD Health? TBD</td>
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<tr>
<td>10:50–11:15 AM</td>
<td>Imbalanced Insulin Action in Chronic Overnutrition: Clinical Harm, Molecular Mechanisms, and a Way Forward TBD</td>
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## Session III: Understanding the Role of Nutrition in CV Health

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<tr>
<td>11:15–11:25 AM</td>
<td>The Nocebo Effect in the Context of Statin Intolerance—Pro Jonathan A. Tobert, MD</td>
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<tr>
<td>11:25–11:35 AM</td>
<td>The Nocebo Effect in the Context of Statin Intolerance—Con Beth A. Taylor, PhD</td>
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<td>11:35–11:45 AM</td>
<td>Rebuttal</td>
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<td>11:45 AM–12:10 PM</td>
<td>Q&amp;A Panel and ARS Questions</td>
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<tr>
<td>12:10–12:20 PM</td>
<td>NLA News &amp; Notes</td>
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<td>12:20–1:15 PM</td>
<td>Lunch in Exhibit Hall</td>
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<td>1:15–1:20 PM</td>
<td><strong>Session V: The Future of Lipid-Lowering Therapies – Are We Ready?</strong></td>
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<tr>
<td>1:20–1:45 PM</td>
<td>ARS Questions</td>
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<td>1:45–2:10 PM</td>
<td>Evolving Pipeline of Lipid Altering Medications</td>
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<td>2:10–2:35 PM</td>
<td>Use of Pharmacometabolomics to Predict Statin Response–Are We Ready for Prime Time?</td>
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<td>2:35–3:00 PM</td>
<td>Non-Lipid Issues with PCSK9s: Safety, Efficacy, and other Considerations–A Case Study</td>
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<td>3:00–3:55 PM</td>
<td>Q&amp;A Panel and ARS Questions</td>
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<tr>
<td>3:55–4:00 PM</td>
<td><strong>Session VI: What You Need to Know About Triglyceride Management</strong></td>
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<td>4:00–4:25 PM</td>
<td>ARS Questions</td>
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<td>4:25–4:50 PM</td>
<td>Identification of Rare Triglyceride Disorders</td>
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<tr>
<td>4:50–5:15 PM</td>
<td>Triglycerides &amp; Cardiovascular Disease–An Update</td>
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<td>5:15–5:40 PM</td>
<td>Therapeutic Options for Triglyceride Lowering</td>
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<td>6:30–9:30 PM</td>
<td>Foundation of the NLA Event</td>
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<tr>
<td>8:00–8:50 AM</td>
<td><strong>Sunday, August 28</strong></td>
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<td>8:50–9:00 AM</td>
<td>Breakfast</td>
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<td>9:40–10:20 AM</td>
<td><strong>Session VII: Discussing Unknown Risk Factors with Your Patient</strong></td>
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<tr>
<td>9:40–10:10 AM</td>
<td>Genetic Testing and What Really Goes on: A Live Interview</td>
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<td>10:10–10:40 AM</td>
<td>Erectile Dysfunction, Cardiovascular Risk, and Testosterone</td>
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<td>Q&amp;A Panel and ARS Questions</td>
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Register early and save at lipid.org/fallclu

**PROGRAM PLANNERS**

**Joyce L. Ross, CRNP, MSN, ANP, CLS, FPCNA, FNLA**
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Dean’s Faculty, College of Dental Medicine
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CardioTexas
St. David’s Medical Center
Austin, TX

* Diplomate, American Board of Clinical Lipidology
† Clinical Lipid Update 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.
# PROGRAM FACULTY

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<tr>
<th>Rhonda Cooper-Dehoff, PharmD, FAHA</th>
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<td>College of Pharmacy</td>
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<th>Eugenia Gianos, MD, FACC, FASE, FNLA*</th>
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<td>Director, Cardiovascular Research Institute</td>
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<td>Vice President of Translation</td>
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<td>CEO and Director</td>
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<td>Jacksonville Center for Clinical Research</td>
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<td>Epidemiology &amp; Public Health</td>
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<td>Director, Center for Preventive Cardiology</td>
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<th>Cynthia G. Rodriguez, DNP, ARNP, FNP-BC, CLS, FNLA</th>
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<td>ARNP Cardiology</td>
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<td>Bonow Professor of Medicine</td>
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<td>Northwestern University’s Feinberg School of Medicine</td>
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<th>Amy C. Sturm, MS, LGC</th>
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<td>Associate Professor, Internal Medicine</td>
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<tr>
<td>Wexner Medical Center at The Ohio State University</td>
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<td>Division of Human Genetics</td>
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<th>Lindsey Sutton</th>
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<td>Degreed Nutritionist</td>
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<td>Chief, Cardiology Division</td>
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<td>Medstar Washington Hospital Center</td>
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<td>Medstar Heart and Vascular Institute</td>
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<td>Professor of Medicine, Georgetown University</td>
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<td>University of Connecticut</td>
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<td>Director of Exercise Physiology Research, Cardiology</td>
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<th>Jonathan Tobert, MD</th>
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<tr>
<td>Academic Visitor</td>
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<tr>
<td>Nuffield Department of Population Health</td>
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<td>Atlanta, GA</td>
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</tbody>
</table>

* Diplomate, American Board of Clinical Lipidology
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 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 CLU and other advanced lipid training. Additionally, participants earn NLA endorsed lipid education credits that will help prepare 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.

For more information visit lipid.org/education/courses/masters.

FACULTY

Lori Alexander, MSHS, RD, CCRC, CLS, FNLA
Site Manager
St. Johns Center for Clinical Research
Ponte Vedra, FL

Michael J. Bloch, MD, FACP, FASH, FVM, FNLA*
Associate Professor
Department of Medicine, University of Nevada School of Medicine
Medical Director
Vascular Care, Renown Institute for Health and Vascular Health
Renown Regional Medical Center
Reno, NV

Ann Liebeskind, MD, FAAP*
Founder, Complex Lipids Clinic
Mobile Health Team
Neenah & Wauwautosa, WI

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Professor
Clinical Pharmacy and Family Medicine
University of Colorado Denver
Anschutz Medical Campus
Aurora, CO

James A. Underberg, MD, MS, FACPM, FACP, FASH, FNLA*
President-Elect, National Lipid Association
Clinical Assistant Professor of Medicine
New York University School of Medicine
New York University Center for Prevention of Cardiovascular Disease
Director, Bellevue Hospital Lipid Clinic
New York, NY

Harold E. Bays, MD, FNLA*
Secretary/Treasurer, National Lipid Association
Medical Director/President
Louisville Metabolic and Atherosclerosis Research Center
Louisville, KY

Alan S. Brown, MD, FACC, FAHA, FNLA*
Executive Council Chair, National Lipid Association
Interventional Cardiologist
Midwest Heart Specialists
Clinical Associate Professor
Loyola University
Maywood, IL

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

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

Kevin C. Maki, PhD, CLS, FNLA
Chief Science Officer
Midwest Center for Metabolic & Cardiovascular Research
Chicago, IL

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

* Diplomate, American Board of Clinical Lipidology
SPECIAL EVENTS

Mini Golf Adventure with the Foundation
Join the Foundation of the National Lipid Association for a fun-filled evening of mini golf! Engage your peers in a friendly competition through 18 holes on the Heron Cove Adventure Golf course. The winning team will take home prizes and bragging rights. Enjoy a cash-bar, ping pong, and oversized board games on the course. A portion of the proceeds will be donated to the Foundation.

Heron Cove Adventure Golf
Saturday, August 27
6:30–8:30 PM
$40/person
Meet in the hotel lobby for a brief 3-5 minute walk to the mini golf course.

Welcome Reception
Friday, August 26
6:00–7:00 PM
Join your fellow colleagues for an opening reception on Friday evening in the exhibit hall. Mingle with exhibiting companies while enjoying tasty hors d’oeuvres and cocktails.

Access to this reception is included in the Fall CLU registration fee; guests with an exhibit hall pass are also welcome.

Register early and save at lipid.org/fallclu
Omni Amelia Island Plantation Resort
39 Beach Lagoon Rd
Amelia Island, FL 32034

Meeting Room Rate: $189/night ++
Room Reservation Cut-Off-Date: July 25

Omni Amelia Island Plantation Resort is nestled on 1,350 acres at the tip of a barrier island just off the Northeast Florida coast. Enjoy luxurious oceanfront accommodations, world-class resort pools, championship golf, full-service spa, endless dining options, and family-friendly activities. Stroll 3.5 miles of pristine beach or spend some time in the fully equipped fitness center with a 20-yard indoor lap pool. The resort features more than 400 oceanfront guest rooms and suites with patios and balconies.

Travel Information:
Book your airfare on Delta and receive up to 5% off of your flight to Jacksonville, Florida. Book your flight on delta.com and enter NMNQ8 in the "offer" code box when searching for your flight. Discounts applicable for travel to and from Jacksonville between August 23–September 2.

The Jacksonville Airport is located 29 miles from the resort.

While on Amelia Island visit...

Amelia Island Historic District
Encompassing a 50-block area and listed on the National Register of Historic Places, Amelia Island’s Fernandina Beach Historic District is a local treasure. In this area south of Old Town, visitors will find excellent examples of late 19th and early 20th century architecture, from Italian to Beaux Arts to Victorian. For a unique view, take a walking, or trolley tour. Also stop by Fantastic Fudge for a delicious local treat where they make the fudge in house.

Fort Clinch State Park
2601 Atlantic Ave, Fernandina Beach, FL 32034
Built in 1847 on a site occupying military troops since 1736, kids can get a glimpse into the island’s past. Briefly occupied by Confederate troops during the Civil War, the fort was also used to during the Spanish American War. The park now offers guided tours, as well as a winding nature trail encircling a man-made pond.
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

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: Practical Insights into Clinical Prevention and Dyslipidemia Management
- Review management strategies for the primary prevention of ASCVD
- Discuss how novel and emerging therapies can best be integrated into clinical practice
- Describe the pathophysiology of type 2 diabetes and metabolic syndrome, including the characteristic atherogenic dyslipidemia found in these patients

Session II: Technology and Fatty Acids: Meeting the Players in CVD Prevention
- Review the use of newer imaging modalities for screening and preventing coronary artery disease
- Identify the impact of omega-3 fatty acids on lipids and coronary heart disease risk

Session III: Understanding the Role of Nutrition in CV Health
- Discuss the evidence that supports the benefits of nutritional counseling in reducing morbidity and mortality associated with CVD, dyslipidemia, diabetes, metabolic syndrome, and obesity
- Identify novel therapies for the treatment of insulin resistance, visceral adiposity, and obesity

Session IV: Debating the Nocebo Effect
- Discuss current literature regarding statin medications and associated safety risks

Session V: The Future of Lipid-Lowering Therapies – Are We Ready?
- Assess the implications of ongoing lipid treatment outcomes trials for the future clinical management of patients with dyslipidemia
- Identify statin-influenced pathways that may contribute to variability in clinical efficacy, as well as to risk of adverse events

Session VI: What You Need to Know About Triglyceride Management
- Discuss the diagnosis and treatment of genetic hypertriglyceridemia
- Discuss evidence regarding triglycerides as a risk factor for cardiovascular disease including the clinical implications for patient management
- Assess the status of new and emerging treatment options for lowering triglycerides

Session VII: Discussing Unknown Risk Factors with Your Patient
- Discuss current literature regarding statin medications and the risks of developing diabetes
- Explain the role of the genetic counselor
- Explain the association between erectile dysfunction and comorbid conditions such as hypertension, diabetes mellitus, and dyslipidemia
Clinical Lipid Update

CE 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 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in this activity.

Physician Assistants

NCCPA accepts AMA PRA Category 1 Credit(s)™ 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 #74500.

Nursing

CE credit provided by Postgraduate Institute for Medicine

Postgraduate Institute for Medicine is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

Session I - Universal Activity Number 0809-9999-16-335-L01-P (Knowledge)

Postgraduate Institute for Medicine designates this continuing education activity for 2.00 contact hour(s) (0.200 CEUs) of the Accreditation Council for Pharmacy Education

Session II - Universal Activity Number 0809-9999-16-328-L01-P (Knowledge)

Postgraduate Institute for Medicine designates this continuing education activity for 1.50 contact hour(s) (0.150 CEUs) of the Accreditation Council for Pharmacy Education

Session III - Universal Activity Number 0809-9999-16-334-L01-P (Knowledge)

Postgraduate Institute for Medicine designates this continuing education activity for 1.75 contact hour(s) (0.175 CEUs) of the Accreditation Council for Pharmacy Education

Session IV - Universal Activity Number 0809-9999-16-336-L01-P (Knowledge)

Postgraduate Institute for Medicine designates this continuing education activity for 1.75 contact hour(s) (0.175 CEUs) of the Accreditation Council for Pharmacy Education

Session V - Universal Activity Number 0809-9999-16-330-L01-P (Knowledge)

Postgraduate Institute for Medicine designates this continuing education activity for 2.00 contact hour(s) (0.200 CEUs) of the Accreditation Council for Pharmacy Education

Session VI - Universal Activity Number 0809-9999-16-340-L01-P (Knowledge)

Postgraduate Institute for Medicine designates this continuing education activity for 2.00 contact hour(s) (0.200 CEUs) of the Accreditation Council for Pharmacy Education

Pharmacists

Postgraduate Institute for Medicine is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

Pharmacy Education.

Day 1 Morning Session

Universal Activity Number - 0809-9999-16-032-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 3.25 contact hour(s) (0.325 CEUs) of the Accreditation Council for Pharmacy Education

Day 1 Afternoon Session

Universal Activity Number - 0809-9999-16-030-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 2.75 contact hour(s) (0.275 CEUs) of the Accreditation Council for Pharmacy Education

Day 2 Morning Session

Universal Activity Number - 0809-9999-16-034-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 2.50 contact hour(s) (0.250 CEUs) of the Accreditation Council for Pharmacy Education

Day 2 Afternoon Session

Universal Activity Number - 0809-9999-16-035-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 2.25 contact hour(s) (0.225 CEUs) of the Accreditation Council for Pharmacy Education

Nursing

CE Credit provided by Postgraduate Institute for Medicine

Postgraduate Institute for Medicine is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

Day 1 Morning Session - Universal Activity Number - 0809-9999-16-032-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 3.25 contact hour(s) (0.325 CEUs) of the Accreditation Council for Pharmacy Education

Day 1 Afternoon Session - Universal Activity Number - 0809-9999-16-030-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 2.75 contact hour(s) (0.275 CEUs) of the Accreditation Council for Pharmacy Education

Day 2 Morning Session - Universal Activity Number - 0809-9999-16-034-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 2.50 contact hour(s) (0.250 CEUs) of the Accreditation Council for Pharmacy Education

Day 2 Afternoon Session - Universal Activity Number - 0809-9999-16-035-L01-P (Application)

Postgraduate Institute for Medicine designates this continuing education activity for 2.25 contact hour(s) (0.225 CEUs) of the Accreditation Council for Pharmacy Education

For Registered Nurses and Nurse Practitioners only

Free correspondence care and counsel for patients and their families

NLA Lipid Academy

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

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 lipoprotein in atherosclerosis
- Explain the pathogenesis of atherosclerosis
- Identify the role of inflammation in atherosclerosis
- 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 all 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 lipidBRs 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

NLA Clinical Lipid Update

Criteria for Success

Statements of credit will be awarded based on the participant’s attendance and submission of the activity evaluation form. A statement of credit will be available upon completion of an online evaluation/claim credit form at www.lipid.org/cme. Physicians. Upon successfully completing the activity evaluation form, transcript information will be sent to the NABP CPE Monitor Service within 4 weeks.

Disclosure Statement

It is the policy of NLA to ensure independence, balance, objectivity, scientific rigor, and integrity in all of its continuing education activities. The faculty must disclose to the participants any significant relationships with commercial interests whose products or devices may be mentioned in this activity or with the commercial supporter of this continuing education activity. Identified conflict of interest is resolved by NLA prior to accreditation of the activity. NLA planners and reviewers have no relevant financial relationships to disclose.

Commercial Support

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

CE Credit provided by Postgraduate Institute for Medicine

11
Masters in Lipidology Course

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, 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 (IMT) in cardiovascular disease risk assessment and management
- Identify the evidence base that supports current dietary recommendations for heart health
- Describe effective diet and lifestyle interventions, weight management strategies for the management of dyslipidemia and cardiovascular risk
- Identify how general dietary patterns and specific macronutrients (fats, carbohydrates) affect coronary heart disease and lipids
- 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-lowering drugs to encourage their safe use in cardiovascular disease prevention
- Review clinical trials of lipid-lowering 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

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 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 16 continuing professional education units (CPEUs) for completion of this program.

American Academy of Family Physicians
This live activity, 2016 Masters in Lipidology Course, from 03/17/2016 - 08/26/2016, has been reviewed and is acceptable for up to 16.00 Elective credits by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CE Credit provided by Postgraduate Institute for Medicine

Pharmacists
Postgraduate Institute for Medicine is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

Day 1 Morning Session - Universal Activity Number - 0809-9999-16-044-L01-P (Knowledge)
Postgraduate Institute for Medicine designates this continuing education activity for 3.50 contact hour(s) 1.300 CPEUs of the Accreditation Council for Pharmacy Education.

Day 1 Afternoon Session - Universal Activity Number - 0809-9999-16-045-L01-P (Application)
Postgraduate Institute for Medicine designates this continuing education activity for 5.50 contact hour(s) 2.200 CPEUs of the Accreditation Council for Pharmacy Education.

Day 2 Morning Session - Universal Activity Number - 0809-9999-16-046-L01-P (Application)
Postgraduate Institute for Medicine designates this continuing education activity for 4.50 contact hour(s) 1.800 CPEUs of the Accreditation Council for Pharmacy Education.

Day 2 Afternoon Session - Universal Activity Number - 0809-9999-16-047-D01-P (Application)
Postgraduate Institute for Medicine designates this continuing education activity for 2.50 contact hour(s) 1.000 CPEUs of the Accreditation Council for Pharmacy Education.

Nursing
This educational activity for 15.9 contact hours is provided by Postgraduate Institute for Medicine.
Postgraduate Institute for Medicine is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

Day 1 Morning Session - 3.5 credits, Day 1 Afternoon Session - 5.4 credits, Day 2 Morning Session - 4.5 credits, Day 2 Afternoon Session - 2.5 credits.

For the advanced practice nurse, this activity has 3.4 contact hours of pharmacotherapy content.

Register early and save at lipid.org/fallclu

“I am reinvigorated to move forward with my career as a Lipidologist.”
— Morton T. Saunders, Jr., DO

“I am already a lipid specialist, but I learned so much that I can apply to practice on Monday.”
— Brenda F. Rodi, FNP

“Really great meeting where you get to mingle with experts. A more effective learning experience than many large meetings.”
— Elaine Urbina, MD

“This was an outstanding educational experience. OUTSTANDING AND PERSONABLE FACULTY.”
— Michael Doyle, MD
New in 2016: Mobile App

The National Lipid Association will be providing an app with onsite updates and educational content for attendees. Please check the website for information coming soon about how to download the app in preparation for the meeting. Make sure to bring your device because we will not be providing a printed syllabus. The app is compatible with laptops, tablets, and mobile devices.

Your Registration Includes:

- Access to all educational sessions
- Welcome Reception (hors d’oeuvres and cocktails)
- Breakfast on Saturday and Sunday
- Lunch on Saturday
- Meeting bag

Get Engaged

Be part of the conversation and stay in the know by following the NLA on Twitter, Instagram, Facebook, and LinkedIn. Use hashtag #NLAINAmelia when posting about the meeting.

NLA Members Save up to $400

Not yet a member? Join the National Lipid Association today and save up to $250 on your registration, when registering before June 30, or $200 when registering after the Early Bird rate ends. Learn more about NLA membership by visiting lipid.org/join.

NLA’s Trainee Travel Grant Program

Are you a fellow-in-training who has a focus in lipid management? Learn about the NLA’s trainee travel grant program! Fifteen grants are available for the NLA Lipid Academy course, each including a $500 travel grant and complimentary attendance to the Lipid Academy course — plus NLA membership for lipid focused fellows-in-training is always complimentary. Due to the popularity of the program, please act quickly and contact Amanda East at aeast@lipid.org for more information. Visit lipid.org/education/fellows for additional trainee opportunities.

facebook.com/nationallipid
twitter.com/nationallipid
instagram.com/nationallipid
linkedin.com/national-lipid-association
2016 Clinical Lipid Update • August 26–28, 2016 • Omni Amelia Island Plantation Resort • Amelia Island, FL

First Name: ____________________________ Middle Initial: ____________________________ Last Name: ____________________________

Mailing Address:___________________________________________________________________________

City: ____________________________ State or Province: ____________________________ Zip: ____________ Country: ____________________________

Phone: ____________________________ Emergency Contact/Phone: ____________________________ Cell Phone: ____________________________

Email: ____________________________

Check all that apply: ☐ MD/DO/PhD ☐ RN ☐ NP ☐ PA ☐ RPH ☐ PharmD ☐ RD ☐ Other ____________________________

Guest name(s), if attending meeting: ____________________________

Membership status: ________________________________________________
☐ I am currently a member.
☐ My application for membership has been submitted and confirmed.
☐ I will apply at lipid.org.
☐ Please send me membership information.

Registration: Registration and payment must be received no later than August 16, 2016. After this date, meeting materials and name badge cannot be guaranteed.

Cancellation: Telephone cancellations will not be accepted. A written notice of cancellation must be received no later than July 29, 2016. 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.

*Master’s Course: To purchase the NLA-SAPs please go to: lipid.org/education/nlasap.

†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.

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
lipid.org/fallclu

Circle fee based on attendee type

<table>
<thead>
<tr>
<th>Clinical Lipid Update</th>
<th>NLA Member Early Bird Rate Before 6/30/16</th>
<th>NLA Member Discounted Rate After 6/30/16</th>
<th>Non-Member Rate</th>
<th>Trainee Rate†</th>
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<td>August 26–28, 2016</td>
<td>$495</td>
<td>$545</td>
<td>$895</td>
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Includes one admission badge to Exhibit Hall for all food functions.

Professional Development

☐ Masters in Lipidology Course* August 25–26, 2016 $750 $750 $1250 $395

☐ Lipid Academy August 25–26, 2016 $550 $550 $950 $0

Registration Fee Total: $_______ $_______ $_______ $_______

Special Events and Guest Fees

☐ Foundation Event: Mini Golf $40 X____ = $_______
☐ Exhibit Hall-Pass-Guest(s) $150 X____ = $_______

Special Event and Guest Totals: $_______

Combined Total Fees: $_______

Payment Method
☐ VISA ☐ MC ☐ AMEX ☐ Check Make checks payable to the NLA

Credit Card #: ____________________________ Exp. Date: ____________________________

Signature: ____________________________

Name on Card: ____________________________

Make checks payable to the NLA.

Foundation Event: Mini Golf $40 X____ = $_______

Exhibit Hall-Pass-Guest(s) $150 X____ = $_______

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Online
lipid.org/fallclu
Airline Discount

Book your airfare on Delta and receive up to 5% off of your flight to Jacksonville, Fla. Book your flight on delta.com and enter NMNQ8 in the “offer” code box when searching for your flight. Discounts applicable for travel to and from Jacksonville between August 23-September 2, 2016.