Consider this your invitation to join an elite collection of certified LIPID SPECIALISTS.

Whether your medical discipline is as a physician in Internal Medicine, Cardiology, Endocrinology, or Family Practice, or as a pharmacist, advanced nurse practitioner, nurse, dietitian, or other healthcare professional, earning certification as a Lipid Specialist is your pathway to professional excellence and career opportunities.

The credentialing process and assessment exams ensure that those who gain certification are committed to the highest standards and requirements of professional improvement.

Plus, certification is confirmation that you have the distinct and specialized knowledge, advanced training and level of expertise necessary to deliver superior patient care.

Take the first step today to become a Lipid Specialist. Learn more at:

www.lipid.org/lipidspecialist
Pre-Conference Courses

Foundations of Lipidology

THURSDAY, SEPTEMBER 12
FRIDAY, SEPTEMBER 13

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

Foundations of Lipidology is ideal for first-time attendees of the NLA’s CLU.

- In-depth indoctrination to lipid science
- Development of core competencies in diagnoses
- Interactive course design

For more information, visit lipid.org/foundations.

Masters in Lipidology

THURSDAY, SEPTEMBER 12
FRIDAY, SEPTEMBER 13

$750 NLA Members | $1250 Non-Members | $350 Trainees

The Masters in Lipidology course is ideal for the advanced-level practitioner to enhance your clinical decision-making skills and prepare you for ABCL certification.

- Intensive two-day training course
- In-depth review of the core curriculum in clinical lipidology

For more information, visit lipid.org/masters.
Conventional treatment for obesity, founded on the first law of thermodynamics, assumes that all calories are alike, and that to lose weight one must simply “eat less and move more.” However, this prescription rarely succeeds over the long term. According to the Carbohydrate-Insulin Model, the metabolic state of the fat cells plays a key role in determining body weight. High intakes of processed carbohydrate raise the ratio of insulin to glucagon concentrations, shunting calories toward storage in fat and lowering availability of metabolic fuel to the rest of the body. Consequently, hunger increases and metabolic rate slows in the body’s attempt to conserve energy. From this perspective, conventional calorie-restricted, low-fat diets amount to symptomatic treatment, destined to fail for most people. Instead, a dietary strategy aiming to lower insulin secretion promises to increase the effectiveness of long-term weight management and chronic disease prevention. This lecture will review the scientific support for, and controversies surrounding, a carbohydrate-modified diet for the treatment of obesity.

There is ample evidence that coronary artery calcium is a robust predictor of future ASCVD. The data extends to racial, ethnic, gender and age subgroups. Coronary artery calcium is a better predictor than other biomarkers (e.g., c-reactive protein) and other measures of atherosclerosis (e.g., carotid intimal media thickness). The 2018 guidelines made recommendations for use of coronary artery calcium in several clinical situations, to inform the clinician and the patient on the need for lipid lowering therapies. A score of zero imparts a low risk, and statins can be avoided for 5-10 years. A positive score imparts a higher risk and the higher the score, the more therapies should be applied. This algorithm can be applied to other therapies, such as aspirin as well. This lecture will review current evidence for coronary calcium scoring to predict cardiovascular events and proper use in clinical practice.

Antithrombotic therapy, consisting of antiplatelet and anticoagulant medications, are foundational for primary and secondary prevention for patients with peripheral artery disease (PAD) in addition to lipid therapy. We will review the indication for antithrombotic therapy in patients with PAD followed by a review of efficacy and safety data of single vs. dual antiplatelet therapy in this population. We will then explore newer data on the use of very low-dose anticoagulants (rivaroxaban) for patients with stable PAD. Finally, we will review ongoing trials exploring the use of various antithrombotic regimens for patients with PAD.
### Schedule - At-A-Glance

<table>
<thead>
<tr>
<th></th>
<th>Thursday, September 12</th>
<th>Friday, September 13</th>
<th>Saturday, September 14</th>
<th>Sunday, September 15</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
<td>Masters in Lipidology Registration 7:00 – 7:30 AM</td>
<td>CLU Registration 12:30 – 5:00 PM</td>
<td>CLU Registration 7:00 AM – 5:00 PM</td>
<td>CLU Registration 7:00 – 11:55 AM</td>
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<td></td>
<td>Foundations of Lipidology Registration 7:30 – 8:00 AM</td>
<td></td>
<td>MWLA &amp; NELA Chapter News &amp; Notes 12:15 – 12:30 PM</td>
<td>Breakfast 7:00 – 7:50 AM</td>
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<tr>
<td><strong>Education</strong></td>
<td>Masters in Lipidology 7:30 AM – 5:40 PM</td>
<td>Masters in Lipidology 7:30 AM – 2:20 PM</td>
<td>Session II 8:00 – 9:45 AM</td>
<td>Session VI 8:00 – 10:10 AM</td>
</tr>
<tr>
<td></td>
<td>Foundations of Lipidology 8:00 AM – 5:35 PM</td>
<td>Foundations of Lipidology 8:00 AM – 2:30 PM</td>
<td>Session III 10:30 AM – 12:15 PM</td>
<td>Session VII 10:10 – 11:55 AM</td>
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<td></td>
<td></td>
<td>Session I 4:00 – 6:00 PM</td>
<td>Session IV 1:30 – 3:15 PM</td>
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<td>Session V 3:15 – 5:00 PM</td>
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<tr>
<td><strong>Exhibit Hall</strong></td>
<td>Welcome Reception 6:00 – 7:00 PM</td>
<td>Exhibit Hall Hours 7:00 AM – 1:30 PM</td>
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<tr>
<td></td>
<td></td>
<td>Breakfast 7:00 – 7:50 AM</td>
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<tr>
<td></td>
<td></td>
<td>Lunch 12:30 – 1:30 PM</td>
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### Special Events

<table>
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<tr>
<th>SATURDAY, SEPTEMBER 14</th>
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<tbody>
<tr>
<td><strong>Expert Theater Presentations</strong> 12:30 – 1:30 PM</td>
</tr>
<tr>
<td><strong>Women in Lipidology Get Together</strong> 5:50 – 6:20 PM</td>
</tr>
<tr>
<td><strong>New Member Trivia Night</strong> 7:30 – 8:30 PM</td>
</tr>
</tbody>
</table>

### Mobile App

Get the latest meeting updates and educational content directly to your mobile device with the NLA Fall CLU app!

Check your email leading up to the meeting for information on how to download the app. Printed syllabi will not be provided, so don’t forget to bring your mobile device. The app is compatible with laptops, tablets and mobile devices.

### Free WiFi

We provide complimentary basic WiFi for meeting registrants. Be on the lookout for a pre-meeting Know Before You Go email with instructions on how to access the WiFi in the NLA meeting space. The WiFi will allow you to connect with the NLA’s meeting app that houses all important meeting information.

### Get Engaged

Be part of the conversation and stay in the know by following the NLA on Twitter, Instagram, Facebook and LinkedIn. Use hashtag #NLAFallCLU when posting about the meeting.
### Friday, September 13

**3:45 – 3:55 PM** Chapter Presidents Welcome and Introduction

**SESSION I: NLA Scientific Statements Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>4:00 – 4:05 PM</td>
<td>Pre-Session Audience Polling</td>
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</tr>
<tr>
<td>4:05 – 4:35 PM</td>
<td>Lipid Laboratory Testing – <em>NLA Scientific Statement</em></td>
<td>Seth S. Martin, MD, MHS</td>
</tr>
<tr>
<td>4:35 – 5:05 PM</td>
<td>Lp(a) Position Statement Paper – <em>NLA Scientific Statement</em></td>
<td>Terry A. Jacobson, MD, FNLA*</td>
</tr>
<tr>
<td>5:05 – 5:35 PM</td>
<td>NLA Positions on Lipid Laboratory Testing and Measurements: Addressing the Cases</td>
<td>Terry A. Jacobson, MD, FNLA*</td>
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<td></td>
<td>Peter H. Jones, MD, FNLA*</td>
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<tr>
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<td></td>
<td>Seth S. Martin, MD, MHS</td>
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<tr>
<td>5:35 – 5:40 PM</td>
<td>Post-Session Audience Polling</td>
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</tr>
<tr>
<td>5:40 – 6:00 PM</td>
<td>Question and Answer 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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</tbody>
</table>

### Saturday, September 14

**7:00 – 7:50 AM** Breakfast in Exhibit Hall

**7:50 – 8:00 AM** Housekeeping Notes

**SESSION II: Risk Enhancers for Women**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 8:05 AM</td>
<td>Pre-Session Audience Polling</td>
<td></td>
</tr>
<tr>
<td>8:05 – 8:30 AM</td>
<td>Risk Enhancers for Women – Progress and Evolving Knowledge - The 2018 AHA/ACC Guidelines and Beyond</td>
<td>Ann Liebeskind, MD, FNLA*</td>
</tr>
<tr>
<td>8:30 – 8:55 AM</td>
<td>Fatty Liver – Does Gender Have an Impact?</td>
<td>Maya Balakrishnan, MD, MPH</td>
</tr>
<tr>
<td>8:55 – 9:20 AM</td>
<td>Obstetrical History and Cardiovascular Risk – What You Need to Know When Treating Your Lipid Patient</td>
<td>Laxmi Mehta, MD*</td>
</tr>
<tr>
<td>9:20 – 9:25 AM</td>
<td>Post-Session Audience Polling</td>
<td></td>
</tr>
<tr>
<td>9:25 – 9:45 AM</td>
<td>Question and Answer Panel</td>
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<tr>
<td>9:45 – 10:30 AM</td>
<td>Break in Exhibit Hall</td>
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</tbody>
</table>

**SESSION III: Low Carbohydrate Diets: Is It Possible to Fuel Up Without Filling Up?**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 – 10:35 AM</td>
<td>Pre-Session Audience Polling</td>
<td></td>
</tr>
<tr>
<td>10:35 – 11:00 AM</td>
<td>The Carbohydrate-Insulin Model of Obesity: Beyond ‘Calories In, Calories Out’</td>
<td>David S. Ludwig, MD, PhD</td>
</tr>
<tr>
<td>11:00 – 11:25 AM</td>
<td>Dietary Patterns to Improve Clinical Outcomes for Type 2 Diabetes</td>
<td>Jackie Boucher, MS, RD, LD, CDE</td>
</tr>
<tr>
<td>11:25 – 11:50 AM</td>
<td>Low-Carbohydrate and Very-Low Carbohydrate (including Ketogenic) Diets – <em>NLA Scientific Statement</em></td>
<td>Carol Kirkpatrick, PhD, RDN, MPH, CLS, FNLA</td>
</tr>
<tr>
<td>11:50 – 11:55 AM</td>
<td>Post-Session Audience Polling</td>
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<tr>
<td>11:55 AM – 12:15 PM</td>
<td>Question and Answer Panel</td>
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<tr>
<td>12:15 – 12:30 PM</td>
<td>MWLA and NELA Chapter News and Notes</td>
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<tr>
<td>12:30 – 1:30 PM</td>
<td>Lunch in Exhibit Hall</td>
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<tr>
<td>12:30 – 1:30 PM</td>
<td>Expert Theater Presentations</td>
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</table>

*Denotes Diplomate, American Board of Clinical Lipidology*
### Saturday, September 14

**SESSION IV: Exercise is Medicine**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>1:30 – 1:35 PM</td>
<td>Pre-Session Audience Polling</td>
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</tr>
<tr>
<td>1:35 – 2:00 PM</td>
<td>Fat, Exercise, and Cholesterol</td>
<td>Christopher J. Lundstrom, PhD</td>
</tr>
<tr>
<td>2:00 – 2:25 PM</td>
<td>Exercise is Medicine</td>
<td>Casey Elkins, DNP, MEd, NP-C, CLS, FNLA</td>
</tr>
<tr>
<td>2:25 – 2:50 PM</td>
<td>Increasing Physical Activity in Special Populations</td>
<td>Donald R. Dengel, PhD</td>
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<tr>
<td>2:50 – 2:55 PM</td>
<td>Post-Session Audience Polling</td>
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<tr>
<td>2:55 – 3:15 PM</td>
<td>Question and Answer Panel</td>
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</tbody>
</table>

**SESSION V: Tales from the Front: Case-Based Approaches to Implementing Optimal Lipid-Lowering Therapy**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>3:15 – 3:20 PM</td>
<td>Pre-Session Audience Polling</td>
<td></td>
</tr>
<tr>
<td>3:20 – 3:45 PM</td>
<td>What the 2018 Guidelines Recommend and Why</td>
<td>Lynne T. Braun, PhD, CNP, CLS, FNLA</td>
</tr>
<tr>
<td>3:45 – 4:10 PM</td>
<td>Maximizing Patient-Clinician Discussions through Shared Decision Making</td>
<td>Guy L. Mintz, MD, FNLA*</td>
</tr>
<tr>
<td>4:10 – 4:35 PM</td>
<td>Population Health Models to Improve Cholesterol Management</td>
<td>Michael S. Kelly, PharmD, CLS, FNLA</td>
</tr>
<tr>
<td>4:35 – 4:40 PM</td>
<td>Post-Session Audience Polling</td>
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<tr>
<td>4:40 – 5:00 PM</td>
<td>Question and Answer Panel</td>
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</tbody>
</table>

### Sunday, September 15

7:00 – 7:50 AM | Breakfast
7:50 – 8:00 AM | Housekeeping Notes

**SESSION VI: Imaging in Cardiovascular Disease Prevention and Diagnosis**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>8:00 – 8:05 AM</td>
<td>Pre-Session Audience Polling</td>
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</tr>
<tr>
<td>8:05 – 8:30 AM</td>
<td>Use of Coronary Calcium Scoring as It Pertains to the 2018 Guidelines</td>
<td>Matthew J. Budoff, MD</td>
</tr>
<tr>
<td>8:30 – 8:55 AM</td>
<td>Use of Coronary Computed Tomographic Angiography with Fractional Flow Reserve</td>
<td>Jamaluddin Moloo, MD, MPH</td>
</tr>
<tr>
<td>8:55 – 9:20 AM</td>
<td>Carotid IMT for Cardiovascular Risk Prediction - Does It Still Have a Role?</td>
<td>James H. Stein, MD, FNLA</td>
</tr>
<tr>
<td>9:20 – 9:45 AM</td>
<td>Pericardial Fat – Role in Metabolic Syndrome</td>
<td>Damini Dey, PhD</td>
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<tr>
<td>9:45 – 9:50 AM</td>
<td>Post-Session Audience Polling</td>
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<tr>
<td>9:50 – 10:10 AM</td>
<td>Question and Answer Panel</td>
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</table>

**SESSION VII: Practical Approaches to the High-Risk Patient with PAD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>10:10 – 10:15 AM</td>
<td>Pre-Session Audience Polling</td>
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</tr>
<tr>
<td>10:15 – 10:40 AM</td>
<td>The Facts and Nothing but the Facts for Lipid Management in PAD</td>
<td>Jane K. Pearson, MD*</td>
</tr>
<tr>
<td>10:40 – 11:05 AM</td>
<td>Antithrombotic Therapy for High-Risk PAD: State of the Art in 2019</td>
<td>Geoffrey Barnes, MD, MSc</td>
</tr>
<tr>
<td>11:05 – 11:30 AM</td>
<td>Considerations in Diabetes Management in High-Risk Patients with PAD</td>
<td>Vijay Nambi, MD, PhD</td>
</tr>
<tr>
<td>11:30 – 11:35 AM</td>
<td>Post-Session Audience Polling</td>
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<tr>
<td>11:35 – 11:55 AM</td>
<td>Question and Answer Panel</td>
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<tr>
<td>11:55 AM</td>
<td>Adjourn</td>
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</table>
COMMITTEE CO-CHAIRS

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Vice Chair of Research for the Department of Medicine
Chief, Section of Cardiovascular Research
Chief, Section of Cardiology
Department of Medicine
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President, Foundation of the NLA
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Assistant Dean for Academic Affairs
Director, DNP Program
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College of Nursing
Mobile, AL

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Methodist DeBakey Heart and Vascular Center
Baylor College of Medicine
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Co-Director, Women’s Heart Care
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Mt. Pleasant, SC

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Ann Liebeskind, MD, FNLA**
President, Midwest Lipid Association
Founder, Complex Lipids Clinic
Mobile Health Team
Neenah & Wauwautosa, WI

*Denotes Diplomate, American Board of Clinical Lipidology (ABCL)
*Denotes Program Faculty
Faculty Subject to Change
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Vascular and Cardiovascular Medicine
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Children’s HeartLink
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Nurse Practitioner, Rush Heart Center for Women
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Henry L. Taylor-Arthur S. Leon Professorship in Exercise Science and Health Enhancement
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Professor, Pediatrics
Harvard Medical School
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M.Ed. Director, Sport and Exercise Science; Physical Activity and Health M Health
Fitness Development Coach and Exercise Physiologist
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Director of Lipid Clinics
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Associate Professor
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Cardiac Rehabilitation, Medical Director
SSM Health, Dean Medical Group
Madison, WI

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Director, Preventive Cardiology
Robert Turell Professor in Cardiovascular Research
Department of Medicine, Cardiovascular Medicine Division
University of Wisconsin School of Medicine and Public Health
Madison, WI

*Denotes Diplomate, American Board of Clinical Lipidology (ABCL)
Faculty Subject to Change
Special Events

Welcome Reception
Friday, September 13 | 6:00 – 7:00 PM
Join your colleagues and our exhibitors for an opening reception on Friday evening in the exhibit hall. Visit with exhibiting companies and mingle while enjoying an array of delicious hors d’oeuvres and refreshing cocktails.

*This reception is included with registration; guests with a guest pass are also welcome.*

Expert Theater Presentations
Saturday, September 14 | 12:30 – 1:30 PM
Enjoy lunch on Saturday while seeing one of two intriguing lectures from our industry supporters. Be sure to check for additional details via email and on NLA’s social media accounts.

Women in Lipidology Get Together
Saturday, September 14 | 5:50 – 6:20 PM
Stay tuned for more information regarding the Women in Lipidology networking event that will be held in Minneapolis.

This group is geared for any woman with an interest in lipidology and is open for all to attend. Make sure to follow us at @NLAWIL on Twitter for more information regarding the upcoming event at the 2019 Fall Clinical Lipid Update.

New Member Trivia Night
Saturday, September 14 | 7:30 – 8:30 PM
Join a team of your peers and put your heads together to compete for prizes! Your quiz master will cover a variety of categories including pop culture, music, NLA history and more. Held onsite at the Renaissance Hotel. Enjoy food and drink with a side of friendly competition.
Historic elegance meets downtown vitality at the landmark Renaissance Minneapolis Hotel, The Depot. Featuring one of the last remaining truss-roof sheds in the nation, this Twin City icon celebrates the era of train travel. A full suite of amenities awaits your arrival, including an on-premises restaurant, bar and patio area, an exercise room and more.

The upscale property is located in the Mississippi Riverfront District near shopping, restaurants and attractions including the Mill City Museum, Guthrie Theater, U.S. Bank Stadium, Light Rail, the Target Center and Target Field, home to the Minnesota Twins.

For reservations, visit lipid.org/fallclu#venueinformation or call (503) 226-1611 and ask for the National Lipid Association room block.

What to Do in Minneapolis?

**Minnehaha Regional Park**
minneapolisparks.org/minnehaha_regional_park
One of Minneapolis’s oldest and most popular parks, Minnehaha features a majestic 53-foot waterfall, limestone bluffs and river overlooks, attracting more than 850,000 visitors annually. It became one of the first state parks in the U.S. when it was purchased by the state of Minnesota in 1889. Only New York had created a state park at that time.

**Minneapolis Institute of Art**
collections.artsmia.org
The Minneapolis Institute of Art is a fine arts museum located in the Whittier neighborhood of Minneapolis on a campus that covers nearly eight acres. The museum features an inspiring collection of more than 89,000 artworks spanning 5,000 years of world history. The collection includes paintings, photographs, prints, drawings, textiles, architecture and decorative arts and features collections of African art, art from Oceania and the Americas, and one of the finest and most comprehensive Asian art collections in the U.S.

**Minneapolis Sculpture Garden**
walkerart.org/visit/garden
A crown jewel of the city’s renowned park system, the Minneapolis Sculpture Garden combines two of Minnesota’s most cherished resources—its green space and its cultural life. A partnership with the Minneapolis Park & Recreation Board, the Garden is a top destination for tourists to enjoy whimsical sculptures like the iconic “Spoonbridge and Cherry” in an invigorating outdoor setting.

To find more fun things to do in Minneapolis, go to Minneapolis.org.
Program Overview

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
Application

Educational Objectives
At the conclusion of this activity, all participants should be able to:
• Discuss strategies to improve the knowledge, skills or performance of the healthcare team.

Session I: NLA Scientific Statements Session
• Identify appropriate lipid laboratory testing in adults at risk for atherosclerotic cardiovascular disease (ASCVD).
• Recognize the clinical recommendations for measuring Lipoprotein(a) [Lp(a)] to manage ASCVD risk.
• Discuss the use of lipid testing for the management of dyslipidemia and ASCVD risk.

Session II: Risk Enhancers for Women
• Recognize gender differences in risk that impact clinical care to reduce cardiovascular disease.
• Review the evidence relating to the prevalence of non-alcoholic fatty liver disease (NAFLD) in postmenopausal women.
• Review strategies for managing CVD risk in women based on obstetrical history.

Session III: Low Carbohydrate Diets: Is it Possible to Fuel up without Filling up?
• Describe evidence supporting a high fat/low carbohydrate diet on prevention and management of obesity-related chronic diseases.
• Explore the dietary evidence related to the management of type 2 diabetes.
• Recognize the impact of various dietary patterns on cardiometabolic and ASCVD risk.

Session IV: Exercise is Medicine
• Review the role of various types of physical activity on lipid management.
• Describe therapeutic benefits of physical activity in the management of patient risk for ASCVD.
• Discuss the appropriate use of physical activity in special populations.

Session V: Tales from the Front: Case-Based Approaches to Implementing Optimal Lipid-Lowering Therapy
• Review the rationale for the current cholesterol guidelines and the impact on treatment.
• Review evidence supporting multidisciplinary implementation strategies.
• Implement strategies that improve patient adherence and compliance to lipid-modifying therapies.
• Analyze the process of shared decision making related to the treatment of hypercholesterolemia.
• Interpret evidence evaluating the benefits of shared decision making when implementing lipid-lowering therapy.
• Discuss prevention and treatment strategies impacting the population at large.
• Review evidence evaluating multifaceted strategies to improve guideline implementation.

Session VI: Imaging in Cardiovascular Disease Prevention and Diagnosis
• Discuss the clinical recommendations for the use of coronary calcium scoring.
• Recognize the diagnostic utility of coronary computed tomography angiography (CCTA) and fractional flow reserve (FFR).
• Identify the potential role of carotid IMT in cardiovascular risk assessment.
• Discuss the potential role of pericardial fat measurement on the increased risk of ASCVD.

Session VII: Practical Approaches to the High-Risk Patient with PAD
• Discuss the evidence for benefits of statin therapy, ezetimibe, PCSK9i, and EPA in high-risk patients with PAD.
• Discuss role of aspirin, P2Y12 inhibitors, and anticoagulants in high-risk PAD.
• Describe the principles of lipid management for peripheral artery disease (PAD) prevention in patients with diabetes.

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/claimed credit form at www.lipid.org/cme.

Disclosure Statement:
It is the policy of the NLA to ensure independence, balance, objectivity, scientific rigor, and integrity in all of its continuing education activities. The faculty must not disclose to the participants any significant relationships with commercial interests whose products or devices may be mentioned in the 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.

Commercial Support:
Full notification of commercial support will be provided in the activity materials.
Fall CLU

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 13.00 AMA PRA Category 1 Credits™ MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

In support of improving patient care, this activity has been planned and implemented by The National Lipid Association. The National Lipid Association is jointly accredited by the Accreditation Council for Continuing Medical Education (ACME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

**Physician Credit Designation Statement**
The National Lipid Association designates this live activity for a maximum of 13.00 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 13.00 continuing professional education units (CPEUs) for completion of this program/materials. CDR Accredited Provider #NL002.

**Pharmacist Accreditation Statement**
Universal Activity Number JA0007192-0000-19-022-L01-P (Application)
This Activity has been approved for 13.00 contact hour(s) (1.3 CEUs) of the Accreditation Council for Pharmacy Education

**Nursing**
The maximum number of hours awarded for this CE activity is 12.9 contact hours.
Pharmacotherapy contact hours for Advance Practice Registered Nurses to be determined.

**Foundations of Lipidology**
In support of improving patient care, this activity has been planned and implemented by The National Lipid Association. The National Lipid Association is jointly accredited by the Accreditation Council for Continuing Medical Education (ACME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

**Physician Credit Designation Statement**
The National Lipid Association designates this live activity for a maximum of 13.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

**Physician Assistants**
NCCPA accepts AMA PRA Category 1 Credit™ 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 13 continuing professional education units (CPEUs) for completion of this program/materials. CDR Accredited Provider #NL002.

**Pharmacist Accreditation Statement**
Universal Activity Number JA0007192-0000-19-005-L01-P (Application)
This Activity has been approved for 13.25 contact hour(s) (1.325 CEUs) of the Accreditation Council for Pharmacy Education.

**Nursing**
The maximum number of hours awarded for this CE activity is 13.3 contact hours.
Pharmacotherapy contact hours for Advance Practice Registered Nurses to be determined.

**Masters in Lipidology**
In support of improving patient care, this activity has been planned and implemented by The National Lipid Association. The National Lipid Association is jointly accredited by the Accreditation Council for Continuing Medical Education (ACME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

**Physician Credit Designation Statement**
The National Lipid Association designates this live activity for a maximum of 15.00 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 Credit™ 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 15.00 continuing professional education units (CPEUs) for completion of this program/materials. CDR Accredited Provider #NL002.

**Pharmacist Accreditation Statement**
Universal Activity Number JA0007192-0000-19-007-L01-P (Application)
This Activity has been approved for 15.00 contact hour(s) (1.5 CEUs) of the Accreditation Council for Pharmacy Education.

**Nursing**
The maximum number of hours awarded for this CE activity is 15.0 contact hours.
Pharmacotherapy contact hours for Advance Practice Registered Nurses to be determined.
Foundations of Lipidology

Pre-conference Course
Thursday, September 12 | 8:00 AM – 5:35 PM and Friday, September 13 | 8:00 AM – 2:30 PM
$550 NLA Members, $950 Non-Members, $0 Trainees

Overview
The NLA’s Foundations of Lipidology course provides an introductory review of the core curriculum in Clinical Lipidology. This course is designed for any healthcare professional seeking to learn the fundamentals of Lipidology. Experts in Lipidology will lecture on basic concepts and guide participants through interactive learning scenarios that provide the knowledge and tools necessary to work effectively in a lipid practice and prepare for advanced training.

This course is particularly useful to review core elements of Clinical Lipidology and is appropriate for clinicians from the full spectrum of clinical experience including physicians, physician assistants, nurse practitioners, pharmacists, exercise physiologists, and dietitians who are in any phase of training, or even experienced physicians who are looking to take a deeper dive into Lipidology.

The Foundations of Lipidology is offered as a two-day course prior to NLA meetings (Clinical Lipid Updates [CLU] and Scientific Sessions).

Target Audience
This activity is designed to meet the needs of physicians, physician assistants, pharmacists, registered nurses, advance practice registered nurses, nurse practitioners and registered dietitians seeking to develop an expertise in Clinical Lipidology.

Type of Activity
Application

Course Faculty

Carol Kirkpatrick, PhD, MPH, RDN, CLS, FNLA*
Director/Clinical Associate Professor
Wellness Center
Idaho State University
Pocatello, ID

Joseph J. Saseen, PharmD, CLS, FNLA
President-Elect, National Lipid Association
Course Co-Chair
Professor and Vice Chair
University of Colorado
Anschutz Medical Campus
Aurora, CO

Ann Liebeskind, MD, FNLA*
President, Midwest Lipid Association
Founder, Complex Lipids Clinic
Mobile Health Team
Neenah & Wauwatosa, WI

Daniel E. Soffer, MD, FNLA*
Course Co-Chair
University of Pennsylvania Health System
Internal Medicine/Clinical Lipidology
Perelman Center for Advanced Medicine
Philadelphia, PA

*Denotes Diplomate, American Board of Clinical Lipidology (ABCL)
Faculty Subject to Change

For more information please visit: lipid.org/foundations
Masters in Lipidology

Pre-conference Course
Thursday, September 12 | 7:30 AM – 5:40 PM and Friday, September 13 | 7:30 AM – 2:20 PM
$750 NLA Members, $1,250 Non-Members, $395 Trainees

Overview
The NLA’s Masters in Lipidology course provides an advanced examination of the core curriculum in Clinical Lipidology. This course is designed for any health care professional with experience in Lipidology who desires advanced training. Experts in the field of Lipidology will lecture on advanced concepts and guide participants through interactive learning scenarios that provide tools and skills to further advance personal standards of practice. It is recommended that attendees have already completed preparatory coursework (e.g., Foundations of Lipidology or similar core curriculum training).

This course is particularly useful to explore the details of Clinical Lipidology and is appropriate for clinicians from the full spectrum of clinical experience including physicians, physician assistants, nurse practitioners, pharmacists, exercise physiologists, and dietitians who are in any phase of training, or even experienced physicians who are looking to take a deeper dive into lipidology.

Masters in Lipidology is offered as a two-day course prior to NLA meetings (Clinical Lipid Updates [CLU] and Scientific Sessions).

Target Audience
This activity is designed to meet the needs of physicians, physician assistants, pharmacists, registered nurses, advance practice registered nurses, nurse practitioners and registered dietitians with expertise in Lipidology looking for further advanced training.

Type of Activity
Application

Course Faculty

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

Harold E. Bays, MD, FNLA*
Course Co-Chair
Medical Director/President
Louisville Metabolic and Atherosclerosis Research Center
Louisville, KY

Peter H. Jones, MD, FNLA*
Chief Science Officer, National Lipid Association
Associate Professor
Methodist DeBakey Heart and Vascular Center
Baylor College of Medicine
Houston, TX

Pamela B. Morris, MD, FNLA*
Course Co-Chair
Secretary/Treasurer, National Lipid Association
Director, Preventive Cardiology
Co-Director, Women’s Heart Care
Medical University of South Carolina
Mt. Pleasant, SC

Carl E. Orringer, MD, FNLA*
Associate Professor of Medicine
University of Miami
Miller School of Medicine
Miami, FL

James A. Underberg, MD, MS, FNLA*
Clinical Lipidology
Clinical Assistant Professor of Medicine
NYU School of Medicine & NYU Center for Prevention of Cardiovascular Disease
Director, Bellevue Hospital Lipid Clinic
New York, NY

*Denotes Diplomate, American Board of Clinical Lipidology (ABCL)
Faculty Subject to Change

For more information please visit: lipid.org/masters
Hosted by the Midwest and Northeast Chapters of the National Lipid Association

SEPTEMBER 13-15
MINNEAPOLIS

Early Bird Registration Pricing Ends August 14.

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