# 2018 LDA/Columbia Conference Agenda

**Lyme & Tick-Borne Diseases: Turning the Corner Through Research**

**Saturday Agenda**  
**Sunday Agenda**  
**Registration**

**AGENDA – SATURDAY OCTOBER 27, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:15 – 8:00 AM</td>
<td>Registration / Exhibits / Continental Breakfast</td>
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| 8:00 – 8:20 AM| **Patricia V. Smith, President, BA**  
President, Lyme Disease Association, Inc., Jackson, NJ  
Conference Planner, Conference Organizing Committee  
*Welcome, Remarks / Brief Overview of LDA, Lyme & TBD*  
Introduction of:  
**Brian A. Fallon, MD, MPH**, Course Director, Conference Planning Committee; Morning Facilitator |
| 8:20 – 9:00 AM| **Robert K. Naviaux, MD, PhD**  
*Keynote*  
Professor of Medicine, Pediatrics, Pathology, and Genetics  
University of California, San Diego School of Medicine  
San Diego, CA  
*Metabolomic Features of Chronic Illness—Lessons from Gulf War Illness and Chronic Fatigue Syndrome* |
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<tr>
<td>9:00 – 9:35 AM</td>
<td>Claudia R. Molins, PhD</td>
<td>Use of Metabolic Profiles as Diagnostic and Prognostic Biomarkers of Lyme Disease</td>
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<td>9:35 – 10:10 AM</td>
<td>John Aucott, MD</td>
<td>Updates on Research in Lyme Disease</td>
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<td>10:10 – 10:25 AM</td>
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<td>Morning Discussion Panel</td>
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<tr>
<td>10:25 – 10:40 AM</td>
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<td>Coffee Break</td>
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<tr>
<td>10:40 – 11:15 AM</td>
<td>Rafal Tokarz, PhD</td>
<td>Novel Approaches to Serologic Diagnosis of TBD</td>
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<td>11:15 – 11:50 AM</td>
<td>Neil Lee Spector, MD</td>
<td>Applying the Lessons From Cancer Research to the Diagnosis and Treatment of TBD</td>
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<td>Time</td>
<td>Speaker/Content</td>
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| 11:50 – 12:25 PM | **William Robinson, MD, PhD**  
Professor of Medicine (Immunology and Rheumatology)  
Staff Physician, VA Palo Alto  
Stanford University  
Palo Alto, CA  
*Protective and Pathogenic B Cell Responses in Lyme Disease* |
| 12:25 – 12:40 PM | **Late Morning Discussion Panel**                                                |
| 12:40 – 1:45 PM | **Lunch**                                                                       |
| 1:45 – 2:20 PM  | **Elizabeth Maloney, MD** Conference Planning Committee  
Afternoon Facilitator |
| 2:20 – 2:55 PM  | **Jon T. Skare, PhD**  
Professor and Associate Head  
Dept. of Microbial Pathogenesis and Immunology  
Texas A&M University  
Bryan, TX  
*Pathogenesis-related features of Borrelia burgdorferi* |
| 2:55 – 3:30 PM  | **Utpal Pal, PhD**  
Professor & Director, VMSC Graduate Program  
Veterinary Medicine  
University of Maryland  
College Park, MD  
*Immune Evasion of Lyme Disease Agents* |
|                | **Thomas A. Platts-Mills, PhD, FRS**  
Professor of Medicine and Microbiology  
Chief, Division of Asthma, Allergy & Immunology  
University of Virginia School of Medicine  
Charlottesville, VA  
*Sensitization to Alpha-gal as a Consequence of Lone Star Tick Bites* |
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<td>3:30 – 3:45 PM</td>
<td><strong>Midafternoon Discussion Panel</strong></td>
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<tr>
<td>3:45 – 4:00 PM</td>
<td><strong>Afternoon Coffee Break</strong></td>
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| 4:00 – 4:35 PM | **James L. Occi, PhD (candidate)**  
Research Teaching Specialist RNJMS  
Center for Vector Biology, Department of Entomology Rutgers University  
Newark, NJ  
The Discovery of the “Asian long-horned tick”, *Haemaphysalis longicornis*, in New Jersey: A Combination of Perseverance, Luck and the Joy of Tick Collecting” |
| 4:35 – 5:10 PM | **Joanna Buchthal, PhD (candidate)**  
Project Manager, Mice Against Ticks  
MIT Media Lab  
Massachusetts Institute of Technology  
Cambridge, MA  
*Mice Against Ticks: Community-Guided Research for Public Health* |
| 5:10 – 5:45 PM | **Beatrice M. Szantyr, MD, FAAP**  
Internal Medicine  
Pediatrics and Adolescent Medicine  
Lincoln, ME  
*Lyme Disease – An Ounce of Prevention: Survey of the Evidence for Prevention Strategies in Lyme Disease* |
| 5:45 – 6:00 PM | **Late Afternoon Discussion**                                         |
| 6:15 – 8:15 PM | **NETWORKING RECEPTION**                                              |

AGENDA – SUNDAY OCTOBER 28, 2018 (Breakfast on your own)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 7:30 – 8:00 AM | Registration / Exhibits / BREAKFAST ON YOUR OWN  

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| 8:00 – 8:35 AM | **Bea Szantyr, MD**  
Sunday Facilitator  
Kim Lewis, PhD  
University Distinguished Professor  
Director, Antimicrobial Discovery Center  
Northeastern University  
Boston, MA  
*Developing Therapies for Treating Lyme Disease*  
Choukri Ben Mamoun, PhD  
Associate Professor  
Department of Internal Medicine & Department of Microbial Pathogenesis  
Section of Infectious Diseases  
Yale School of Medicine  
New Haven, CT  
*Targeting the Achilles Heel of Babesia Parasites’ Mode of Survival Within Human Red Blood Cells*  
Anne Louise Oaklander, MD, PhD  
Associate Professor of Neurology  
Harvard Medical School  
Assistant in Neurology and Neuropathology at Massachusetts General Hospital  
Director of Massachusetts General Hospital’s Nerve Unit Group.  
Boston, MA  
*Small-Fiber Peripheral Neuropathy: A Pathway for Some Patients* |
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| 9:45 – 10:20 AM | **Monika Gulia-Nuss, PhD**  
Assistant Professor, Howard Medical Sciences  
Department of Biochemistry and molecular Biology  
University of Nevada  
Reno, NV  
*Generating Transgenic Ticks for Ticks and Tick-borne Diseases Management* |
| 10:20 – 10:55 AM | **Food Break**                                                                         |
| 10:55 – 11:15 AM | **Morning Discussion Panel**                                                           |
| 11:15 – 11:50 PM | **Jaroslav Flegr, PhD**  
Professor of Ecology and Associate Professor of Parasitology  
National Institute of Mental Health  
Klecan, Czechia  
Faculty of Science, Charles University  
Prague, Czechia  
*The Effect of Pet-Transmitted Diseases on the Mental and Physical Health of the General Population* |
| 11:50 – 12:25 PM | **Shannon Delaney, MD, MA**  
Instructor in Psychiatry  
Director, Child and Adolescent Research and Evaluation at the Lyme & Tick-Borne Diseases Research Center  
Columbia University Medical Center  
New York, NY  
*Borrelia Miyamotoi Exposure in a Clinical Population* |
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| 12:25 – 1:00 PM | **Kavin Patel, MD**  
Internal Medicine  
Rhode Island Hospital and Alpert Medical School of Brown University  
Providence, RI  
**Rebecca Reece, MD**  
Assistant Professor of Medicine (Clinical)  
Warren Alpert Medical School of Brown University  
Providence, RI  
*First Confirmed Case of Powassan Neuroinvasive Disease in Rhode Island* |
| 1:00 – 1:10 PM | **BREAK**                                                                       |
| 1:10 – 1:25 PM | **Mid-Morning Discussion**                                                       |
| 1:25 – 2:00 PM | **Elizabeth L. Maloney, MD**  
(Conference Planning Committee)  
President, Partnership for Tick-Borne Diseases  
Family Practice Physician  
Wyoming, MN  
*Concurrent Tick-borne Illnesses: A Case Report and Review of the Literature* |
| 2:00 – 2:35 PM | **Brian A. Fallon, MD, MPH**  
(Conference Director)  
Professor of Psychiatry,  
Director, Lyme and Tick-Borne Diseases Research Center,  
Director, Center for the Study of Neuroinflammatory Disorders & Biobehavioral Medicine,  
Columbia University  
Conference Planning Committee  
New York, NY  
*Borrelia and the Brain Phase 1 of a Post-Mortem Study* |
| 2:35 – 3:00 PM | Afternoon Discussion Panel |