

Accreditation

Physicians: Conference qualifies for Category II credits; Category I credits pending

Dentists and Dental Hygienists: Conference sponsored by the 9th District Dental Society; CDE Credits Available

Nurses: CEU Credits Pending/Certificates of Attendance Available

Program Description and Objectives

This course will focus on important recent developments in the research, diagnosis, and treatment of Lyme Disease and other Tick-Borne Diseases. It is targeted toward physicians, allied health professionals, and community educators.

At the conclusion of this program, the participant should be able to:

- Recognize the complex nature of *Borrelia burgdorferi* in relation to host response to infection and the rationale for various types of treatment
- Determine criteria for diagnosis and treatment of the various presentations of Lyme Disease and other tick-borne diseases
- Understand the role of the laboratory testing for Lyme Disease and co-infections
- Achieve proficiency in the diagnosis and treatment of neurologic, pediatric and cardiac Lyme Disease
- Recognize the presence of co-infections, Babesiosis and Ehrlichiosis (HGE) in the Hudson Valley
- Achieve proficiency in the diagnosis and treatment of Babesiosis and Ehrlichiosis
- Understand the interaction between the ovarian and immune system in the presence of active Lyme Disease
- Recognize the complexities of diagnosing and treating chronic Lyme Disease
- Recognize the complexities in distinguishing between Lyme Disease and other diseases with similar clinical presentations
- Develop an understanding of the OspA vaccine, and its implication for use
- Increase awareness of new research and new treatment modalities

Meeting Location and Directions

Bard College—Franklin W. Olin Humanities Building
Annandale-on-Hudson, New York (5 minutes from Kingston-Rhinecliff Bridge)
Parking on campus is limited. We encourage carpooling.

Bard College is in Annandale-on-Hudson, New York, on the east bank of the Hudson River, about 90 miles north of New York City and 220 miles southwest of Boston.

By rail: Amtrak provides service from Penn Station, New York City, and from Albany to Rhinecliff, about 9 miles south of Annandale. Taxi service is available at the station.

By automobile: *From southern Connecticut*, follow I-84 to the Taconic State Parkway, take the Taconic north to the Red Hook/Route 199 exit, drive west on Route 199 through the village of Red Hook to Route 9G, turn right onto Route 9G, and drive north 1.6 miles.

From northern Connecticut, take Route 44 to Route 199 at Millerton, drive west on Route 199, and proceed as from southern Connecticut.

From Massachusetts and northern New England, take the Massachusetts Turnpike to Exit B-2 (Taconic Parkway), take the Taconic south to the Red Hook/Route 199 exit, and proceed as from southern Connecticut.

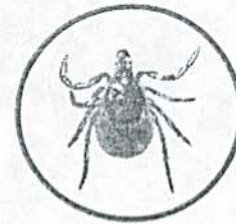
From New York City, New Jersey, and points south, take the New York State Thruway to Exit 19 (Kingston), take Route 209 (changes to Route 199 at the Hudson River) over the Rhinecliff Bridge to Route 9G. At the second light, turn left onto Route 9G, and drive north 3.5 miles.

From Albany, take the New York State Thruway to Exit 19 and proceed as from New York City.



A Two Day Discussion
of the Most Recent
Developments in Research
and Clinical Management

Lyme Disease and Other Spirochetal and Tick-Borne Diseases:



A Two Day Discussion of the Most Recent Developments in Research and Clinical Management

Saturday, November 13, 1999

Sunday, November 14, 1999

Bard College
Annandale-on-Hudson, New York

SPONSORED BY THE
LYME DISEASE ASSOCIATION
OF NEW JERSEY, INC.

Lyme Disease and Other Spirochetal and Tick-Borne Diseases:

*A Two Day Discussion of the Most
Recent Developments in Research and
Clinical Management*

Bard College—Annandale-on-Hudson, New York

Saturday, November 13 and Sunday, November 14, 1999



Program Co-Directors

Kenneth B. Liegner, M.D.

*Internal Medicine and Critical Care Medicine
Northern Westchester Hospital Center
Mount Kisco, New York*

Armen C. Manasar, D.D.S.

*Director of Dentistry, Vassar Brothers Hospital
Member, Executive Board
Dutchess County Dental Society*

Keynote Speaker

Willy Burgdorfer, Ph.D., Hon. M.D.

*National Institutes of Health
Rocky Mountain Laboratories*

*Dr. Burgdorfer is the scientist who discovered
the pathogen causing Lyme Disease*

Facilitator

Steven M. Lapidus, M.D.

Faculty

Marylynn Botsford Barkley, Ph.D., M.D.

*Section of Neurology, Physiology and Behavior
University of California at Davis
Davis, California*

Sandra K. Berenbaum, CSW, BCD

*Family Connections Center for Counseling
Wappingers Falls, New York*

Willy Burgdorfer, Ph.D., Hon. M.D.

*National Institutes of Health
Rocky Mountain Laboratories
Hamilton, Montana*

Joseph Burrascano, Jr., M.D.

*Attending Physician, Southampton Hospital
Southampton, New York*

M. Lynne Canon, CSW, BCD

*Family Connections Center for Counseling
Wappingers Falls, New York*

David W. Dorward, Ph.D.

*Microbiologist and Facility Manager
National Institute of Allergy and Infectious Diseases
Rocky Mountain Laboratories
Hamilton, Montana*

Paul H. Duray, M.D.

*National Institutes of Health
Department of Pathology
National Cancer Institute, Bethesda, Maryland*

Brian A. Fallon, M.D.

*Director, Lyme Disease Research Program
New York State Psychiatric Institute
Associate Professor of Clinical Psychiatry
Columbia University
New York, New York*

Richard I. Horowitz, M.D.

*Assistant Director of Internal Medicine
Vassar Brothers Hospital
Attending Physician, Saint Francis Hospital
Poughkeepsie, New York*

Barsha Jain, M.D.

*SmithKline Beecham Pharmaceuticals
Philadelphia, PA*

Charles Ray Jones, M.D.

*Pediatric and Adolescent Medicine
New Haven, Connecticut*

Amiram Katz, M.D.

*Assistant Clinical Professor
Department of Neurology
Yale University School of Medicine
Consulting Neurology*

Yale Psychiatric Institute

New Haven, Connecticut

Janice Kochevar, FNP-C

*Board-Certified Family Nurse Practitioner
Armonk, New York*

Kenneth Liegner, M.D.

*Internal Medicine and Critical Care Medicine
Northern Westchester Hospital Center
Mount Kisco, New York*

Louis A. Magnarelli, Ph.D.

*Department of Entomology,
Connecticut Agricultural Experiment Station
New Haven, Connecticut*

Jyotsna Shah, Ph.D.

*Director, Research and Development
IGeneX, Inc.
Palo Alto, California*

Carmine A. Sorbera, M.D.

*Director of Cardiac Electrophysiology
Faculty, Assistant Professor of Medicine
New York Medical College
Valhalla, New York*

Agenda

Saturday, November 13, 1999

- 8:00 a.m. Registration and Continental Breakfast
- 8:30 a.m. Opening Remarks *Armen Manasar, D.D.S.
Kenneth Liegner, M.D.*
- 9:00 a.m. The Complexity of Vector-Borne Spirochetes:
Historical Analysis *Willy Burgdorfer, Ph.D.*
- 9:45 a.m. Lymphotropism by *Borrelia burgdorferi* *David W. Dorward, Ph.D.*
- 10:30 a.m. Break
- 10:45 a.m. Update on Current Concepts in the
Pathology of Borreliosis and Other
Tick-Borne Diseases *Paul Duray, M.D.*
- 11:45 a.m. Lunch
- 12:45 p.m. Role of a Diagnostic Laboratory in
Diagnosis of Tick-Borne Diseases *Jyotsna Shah, Ph.D.*
- 1:30 p.m. Diagnosis and Treatment of Lyme Disease,
with a Focus on Chronic Lyme *Kenneth B. Liegner, M.D.*
- 2:15 p.m. Break
- 2:30 p.m. An Overview of Lyme Carditis *Carmine Sorbera, M.D.*
- 3:15 p.m. Ovarian and Immune System Interaction
During Lyme Disease *Marylynn Botsford Barkley, M.D.*
- 4:00 p.m. Lyme Disease in Children *Charles Ray Jones, M.D.*
- 5:00 p.m. Panel Q and A *Saturday Speakers*
- 6:00 p.m. Session Closing

Sunday, November 14, 1999

- 8:00 a.m. Registration and Continental Breakfast
- 8:30 a.m. LymeX OspA Vaccine—Current Findings *Barsha Jain, M.D.*
- 9:15 a.m. Neuropsychiatric Lyme Disease in
Children and Adults *Brian Fallon, M.D.*
- 10:00 a.m. Treatment of Adolescents with Neuropsychiatric
Lyme Disease: A Model for Collaboration *Sandra K. Berenbaum, CSW, BCD
M. Lynne Canon, CSW, BCD
Janice Kochevar, FNP-C*
- 10:45 a.m. Break
- 11:00 a.m. Human Granulocytic Ehrlichiosis:
Ticks and Laboratory Diagnosis *Louis A. Magnarelli, M.D.*
- 12:00 noon Luncheon
- 1:00 p.m. Treatment Options for Late Lyme Disease *Joseph Burrascano, M.D.*
- 1:45 p.m. Chronic Lyme Disease: A Symptom Complex
of Multiple Co-Infections, New Diagnostic and
Treatment Protocols *Richard Horowitz, M.D.*
- 2:30 p.m. Break
- 2:45 p.m. Neurologic Lyme Disease: Anatomic,
Pathophysiologic Imaging, and other
Treatment Protocols *Amiram Katz, M.D.*
- 3:30 p.m. Future Aspects of Tick-Borne Disease Research
*Burgdorfer, Dorward, Duray, Barkley,
Burrascano, Fallon, Horowitz, Jain,
Jones, Katz, Kochevar, Liegner,
Magnarelli, Shah, Sorbera*
- 5:00 p.m. Summary and Closing Remarks

Opportunities will be presented for the speakers to respond to questions.

h Professionals,
Educators: \$75.00

nd break both days.

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