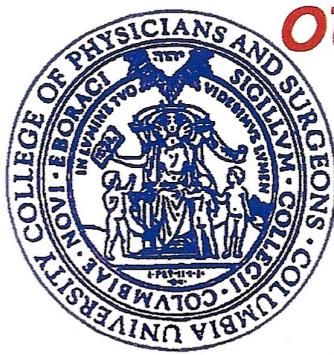


# 13th International Scientific Conference on Lyme Disease & other Tick-Borne Disorders

#20. Conf.



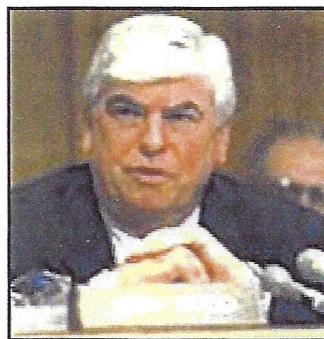
Jointly sponsored with The College of Physicians and Surgeons of Columbia University and the Lyme Disease Foundation

## Clinical Management & Research Update

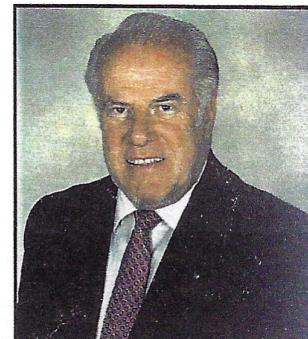
March 25 & 26, 2000  
Hartford Marriott, CT



Richard Blumenthal  
Attorney General



Christopher Dodd  
U.S. Senator



Willy Burgdorfer, PhD, MD (hon)  
Discoverer of the LD Pathogen

Supported by an unrestricted educational grant from  
**SmithKline Beecham Pharmaceuticals**

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the College of Physicians & Surgeons of Columbia University and the Lyme Disease Foundation.

The College of Physicians & Surgeons of Columbia University is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

The College of Physicians & Surgeons designates this educational activity for a maximum of 15 hours in Category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.



LYME DISEASE FOUNDATION

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# LYME DISEASE FOUNDATION

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Author, Management Consultant

March 25, 2000

Dear Friends:

Recent developments in the understanding and treatment of tick-borne disorders make the LDF optimistic that the dawn of the new century will be highlighted with major advances in these areas.

Our board members, associates, and supporters should all take great pride in knowing that our tremendous group effort to raise awareness and encourage balanced scientific study is paying off.

Just over 10 years ago Lyme disease was considered a "mystery illness", limited to the Connecticut shoreline, whose symptoms were limited to a bull's-eye rash and swollen joints. Today it is recognized as a serious, multisystem, worldwide threat to public health that costs American society over \$1 billion per year. Put in this perspective, it is truly remarkable what together we have since accomplished!

As the premier scientific nonprofit organization dedicated to eliminating the threat of tick-borne disorders, the LDF has educated millions of people through our 24-hour hotline, newsletters, website, brochures, community education programs, peer-reviewed scientific publication *Journal of Spirochetal & Tick-Borne Diseases*, and, of course, our scientific conferences. It is these efforts that lead to the LDF to be the recipients a National Institutes of Health award for our educational efforts.

Through our continued hard work and commitment, I remain confident that as long as we remain focused on reaching our common goal, the threat Lyme disease and other tick-borne disorders pose will someday soon become a memory of the past.

Sincerely,

Thomas Forschner  
Executive Director  
Lyme Disease Foundation

## PROGRAM COMMITTEE

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Ellen Stromdahl, MS *U.S. Army Center for Health Promotion and Preventative Medicine*  
Richard Tilton, PhD *BBI Clinical Laboratories*



# PROGRAM AGENDA

**MARCH 24, 2000 FRIDAY**

7 - 10 pm Reception and Registration

**MARCH 25, 2000 SATURDAY**

7- 9am Registration

**8:8:30am Keynote: Richard Blumenthal, Attorney General of Connecticut**  
Epidemiology Edward Bosler, PhD Julie Rawlings, MPH

**8:30-8:54 West Nile Virus: Epicenter to epidemic and what to expect in 2000**

Tracey McNamara, DVM, Diplomate ACVP *National Wildlife Conservation*

**8:55-9:19 West Nile in Connecticut**

John Anderson, PhD *Connecticut Agricultural Experiment Station*

**9:20-9:44 Overview of human ehrlichioses and Rocky Mountain spotted fever in the US**

Christopher Paddock, MD *Centers for Disease Control and Prevention*

**9:45-10:04 Babesiosis**

Peter Krause, MD *University of Connecticut School of Medicine*

**10:05-10:24 Break**

**10:25-10:49 Prevelance of infection in ticks submitted to the human tick test kit program of the U.S. Army Center for Health Promotion and Preventative Medicine, 1999**

Ellen Stromdahl, MS *U.S. Army Center for Health Promotion and Preventative Medicine*

**10:50-11:14 Analysis of Southern *Borrelia***

Angela James, PhD *Centers for Disease Control and Prevention*

**11:15-11:39 Coinfections**

Louis Magnarelli, PhD *Connecticut Agricultural Experiment Station*

**11:40-12:00 Preliminary *in vitro* and *in vivo* findings of hyperbaric oxygen treatment in experimental *Bb* infection**

Charles Pavia, PhD *NY Medical College School of Medicine, NYCOM Microbiology and Immunodiagnostic Laboratory of NYIT*

**Noon-12:29pm Lunch**

Basic Science I Sam Donta, MD

**1:00-1:24 Immunity against host-adapted *B. burgdorferi* in the rabbit**

James Miller, PhD *UCLA School of Medicine*

**1:25-1:49 Immunologic aspects of Vlse, a *B. burgdorferi* antigenic variation protein**

Steve Norris, PhD *University of Texas Medical School at Houston*

**1:50-2:14 Invariable regions of VlsE, the variable surface antigen of *Borrelia burgdorferi*:**

**Their application in diagnosis and immunoprophylaxis of Lyme disease**

Mario Philipp, PhD *Tulane University Medical Center*

**2:15-2:34 Antibiotic treatment of Lyme borreliosis: A review of results with dogs**

Rheinhard Straubinger, DVM, PhD *NYS College of Veterinary Medicine*

**2:35-2:54 Break**

**2:55-3:19 A *Bb* repetitive antigen that confers protection against experimental LD**

Jon Skare, PhD *Texas A & M University System Health Science Center*

**3:20-3:44 Use of the borreliacidal assay in the serodiagnosis of Lyme disease**

Ronald Schell, PhD *University of Wisconsin School of Medicine*

**3:45-4:09 Lyme neuroborreliosis - The role of PCR and culture in the diagnosis and in the confirmation of relapse after antibiotic treatment**

Jarmo Oksi, MD, PhD *Turku University Central Hospital, Department of Medicine, Finland*

Panel Discussion on Testing James Miller, PhD

**4:10-5:15 Laboratory Testing Panel**

Mark Golightly, MD *SUNY at Stony Brook School of Medicine*

Eli Mordechai, PhD *Medical Diagnostic Laboratories*

Ronald Schell, PhD *University of Wisconsin School of Medicine*

Jyotsna Shah, PhD *Igenex Laboratories*

Richard Tilton, PhD *BBI Clinical Laboratories*

Steven Schutzer, MD *University of Medicine and Dentistry of New Jersey*

**MARCH 26, 2000 SUNDAY**

8-8:29 am **Keynote: Tick-Borne Diseases**  
Willy Burgdorfer, PhD, MD *National Institutes of Health*

**Basic Science II** James Miller, PhD

8:30-8:54 **Characterization of an immune evasion system in the Lyme disease spirochetes**  
Richard Marconi, PhD *Medical College of Virginia*

8:55 - 9:19 **Matrix metalloproteinases in Lyme disease**  
George Perides, PhD *Beth Israel Deaconess Medical Center (Harvard)*

9:20-9:44 **Expression of Interleukin-10 regulation during acute Lyme arthritis in dogs**  
Reinhard Straubinger, DVM, PhD *NYS College of Veterinary Medicine*

9:45-10:09 **T-cell response**  
Adriana Marques, MD *National Institutes of Health*

**10:10-10:29 Break**

10:30-10:54 **Protection against tick-transmitted disease in dogs vaccinated with a multiantigenic vaccine**  
Alan Frey, PhD *New York University School of Medicine*

10:55-11:19 **Update on the SKB OspA vaccine**  
Dennis Parenti, MD *SmithKline Beecham Biologicals*

11:20-11:44

11:45-12:44 **Lunch**

**Clinical** Sam Donta, MD

12:45-1:14 **Atypical EM and acute Lyme disease**  
Edwin Masters, MD *Regional Primary Care Physicians*

1:15-1:39 **Neurologic Lyme disease in adults**  
Patricia Coyle, MD *SUNY at Stony Brook School of Medicine*

1:40-2:04 **Manifestations of neurologic Lyme disease in children**  
Dorothy Pietrucha, MD, FAAP *Jersey Shore Medical Center, Meridian Health System*

2:05-2:24 **Break**

2:25-2:49 **Neuropsychological evaluation of children with Lyme disease:  
Implications for education and treatment**  
Marian Rissenberg, MD *Columbia University School of Medicine*

2:50-3:14 **Neuroimaging in neuropsychiatric Lyme disease: Uses, abuses, and the future**  
Brian Fallon, MD *Columbia University College of Physicians & Surgeons*

3:15-3:39 **Pharmacologic properties of antibiotics and their relevance to LD**  
Sam Donta, MD *Boston University School of Medicine*

**Treatment Roundtable** Brian Fallon, MD

3:40-5:00 **Treatment Roundtable**

Joseph Burrascano, MD *Southampton Hospital*  
Sam Donta, MD *Boston University School of Medicine*  
Lesley Fein, MD *Morristown Memorial Hospital*  
Kenneth Liegner, MD *Westchester Medical Center*  
Dorothy Pietrucha, MD *Jersey Shore Medical Center, Meridian Health System*