

**Patricia V. Smith**  
**President. Lyme Disease Association, Inc.**

**ABOUT PAT SMITH:** Patricia V. Smith, a Monmouth University graduate, is completing her 17<sup>th</sup> year as President of the all-volunteer run national non-profit Lyme Disease Association, LDA, and is a member of Columbia University's Lyme & Tick-Borne Diseases Research Center Advisory Committee, member of the Environmental Protection Agency's Pesticide Environmental Stewardship Program (PESP) Partnership to promote avoidance of tick exposure, an advisor to Lyme Research Alliance, CT (formerly TFL) and member of the newly formed Tick Integrated Pest Management (IPM) Working Group with federal and non federal members, from the IPM Institute of North America, to eradicate tick-borne diseases.

Ms. Smith is also former Chair, (NJ) Governor's Lyme Disease Advisory Council. She was EPA's 2011 Lyme prevention conference session co-chair with CDC. In 2011 she presented a Lyme session to the New Jersey Education Association's Annual Meeting. She is a member/former board member of ILADS, International Lyme & Associated Diseases Society, a professional medical and research organization.

Ms. Smith is former President/12-year member of the Wall NJ Board of Education where she earned state board member-certified status. She is a former officer of the Monmouth County School Boards Association and was a member of the Federal Relations Network for New Jersey School Boards Association/National School Boards Association.

While a Board of Education member, Ms. Smith conducted a study in 1992 of the impact of Lyme disease in 9 school districts in 2 NJ counties, showing a dramatic rise in the cost of home instruction due to rising Lyme cases in children. Pat presented her findings to CDC and NIH in Washington, DC, leading CDC to collaborate later that year with the NJ Department of Health on a study of children and Lyme disease, which found a median duration of Lyme disease of 363 days, a significant disruption in kids' normal activities, and substantial direct medical costs. Pat later provided input into a NJ law requiring teacher education for staff who have students with Lyme disease and the later adopted NJ state curriculum guidelines. She performed school in-services for educators on Lyme, and worked with parents of students classified due to Lyme, practices she continued as LDA president.

During her LDA presidency, Ms. Smith has raised funds for researchers nationally, with more than 90 grants awarded — research acknowledged in 33 scientific journals. Many LDA-funded research projects are important to understanding aspects of Lyme that have major significance to managing human disease, such as genome work initially funded by LDA through UMDNJ (now Rutgers) showing that different strains of the *Borrelia* bacteria have the ability to exchange genetic material among strains, a trait greatly benefitting their survival; LDA initiated funding of genome mapping helped to lead to 17 strains being mapped. The LDA has funded work with the University of New Haven examining the role of biofilms -a common method for bacteria to outwit the immune system and treatment- in Lyme disease. LDA also has a long-term research project which has been examining ticks from across the country using new cutting-edge lab testing to analyze what disease agents are found in ticks—they can discover known and unknown organisms. A current study in a Virginia University is examining the possibility of genetic variances that may cause a greater susceptibility to develop chronic Lyme disease.

Ms. Smith has organized 14 continuing medical education (CME) accredited Lyme scientific conferences for doctors and researchers with international faculty, held in different area of the US, most jointly sponsored by Columbia University, the 15<sup>th</sup> now being planned. She has spoken at many conferences on Lyme including those presented by the University of New Haven (CT) and the California Lyme Disease Association (now LymeDisease.org), and ILADS. She has been a speaker at hundreds of public, school, business, and government events.

She's testified for and secured passage of state legislation promoting Lyme research and education and physician's right to treat and provided input justifying requests —which ultimately were successful- to congressional appropriators for funding Lyme programs at DOD and DHHS. She has been invited to state capitals in CT, MA, MN, NH, NJ, NY, PA, RI, to present oral testimony and has provided written testimony in many others. Based on her written testimony, LDA was recently included in ground breaking Maine legislation

as a website resource on Lyme disease for Maine residents. She was invited to testify on two occasions before the NY Assembly Health Care Committee and also before the Rhode Island (Governor's) Lyme Disease Advisory Commission and has spoken before the California Lyme Disease Advisory Council. Over time, she has personally met with many State Health Commissioners and with Governors in NH, RI CT on Lyme issues and with then Governor Pataki's office on many occasions along with several NY state legislators. She has also presented before the Pennsylvania House of Representatives Majority Policy Committee and was an invited speaker for Lyme forums hosted by a member of the Massachusetts House of Representatives and the Majority Caucus Administrator for the Pennsylvania House of Representatives and the Minnesota State Senate Health Committee.

She has twice been invited to CDC, Ft. Collins, to present to the Vector-Borne Diseases Division (2007, 2013). She also met with then CDC Director Gerberding with 5 Congressmen in DC, and then with the US DHHS Assistant Secretary of Health with CDC and NIH officials teleconferenced in, with military health leaders in DC, briefed the staff for the Senate HELP Committee Members and the House Subcommittee on Health. She met several times with US Army CHPPM (Now Public Health Command) at Ft. Meade, and organized doctors and researchers to speak with the military leaders and DHHS in Washington, DC. She has met with the NIH Lyme Program Director and research coordinator. She presented educational PowerPoints on Lyme to employees at the Environmental Protection Agency and at the Department of Energy.

Chosen Jackson NJ's Chamber of Commerce 2008 Woman of the Year, she has also received commendation from the NJ legislature, and a certificate of Special Congressional Recognition from Congressman James Langevin (RI). Ms. Smith helped to organize and presented at educational forums held by congressmen [Langevin, Pitts (PA), C. Smith (NJ)] and was a panel member for a forum sponsored by Congressman Gibson (NY). In 2012, she testified before the Foreign Affairs Committee, Africa, Global Health & Human Rights Subcommittee in Washington, DC on issues affecting Lyme patients.

Other activities include working with author Amy Tan to create LDA's LymeAid 4 Kids, a fund for children with no health coverage for Lyme, a fund that has awarded ~ \$1/4 M for uninsured children to date.

**Patricia V. Smith, Lyme Disease Association, Inc.**

**Partial list of Publications**

National Association of School Nurses *NASN School Nurse Journal*, March 2010; “You Can Make a Difference to a Child by Reducing Risk of Lyme Disease,” Patricia V. Smith,” a co-author on paper with CDC, EPA, et al

111<sup>th</sup> Congressional Congress (2009-2010) *Congressional Record*, Sept. 24, 2010;

“Patient Perspectives on the Research Gaps in Tick-Borne Diseases;” (Submitted by Time for Lyme, the national Lyme Disease Association, and the California Lyme Disease Association on behalf of our patients across the United States); Lorraine Johnson, JD, MBA, Chief Executive Officer, California Lyme Disease Association. Patricia V. Smith, President, Lyme Disease Association, Inc., Diane Blanchard/Deb Siciliano, Co-Presidents, Time for Lyme, Inc.

*J Infect Dis.* 2006 Mar 15;193(6):901-2; author reply 902.; “Co-infection with *Borrelia burgdorferi* and *Babesia microti*: bad or worse?” Stricker RB, Burrascano JJ, Harris NS, Horowitz R, Johnson L, Smith PV, Phillips SE.

*Clinical Infectious Diseases* 2006; 42:306-307

“Rash Decisions about Southern Tick Associated Rash Illness and Lyme Disease”

Steven E. Phillips, Joseph J Burrascano, Nick S Harris, Richard Horowitz, Lorraine Johnson, Patricia V. Smith, and Raphael B. Stricker International Lyme & Associated Diseases Society, Bethesda Maryland

*Int. J. Epidemiol.* Advanced Access Published November 30, 2005

Letter to the Editor, “Chronic Infection in ‘post-Lyme borreliosis syndrome’ ”

Steven E. Phillips, Joseph J Burrascano, Nick S Harris, Lorraine Johnson, Patricia V. Smith, and Raphael B. Stricker

*Expert Rev Anti Infect Ther* 2004;2(Suppl 1):51-13

The ILADS Working Group “Evidence Based Guidelines for the Management of Lyme disease”

*Best Practices in School Health*, Lyme disease, module 4, 2005

Federal News Services, Inc.; “Make Time to Look at Lyme” and “In-service Ideas for Lyme Disease” (Pub. Interview w. Ms. Smith) Pat Smith, LDA President

*School Leader*, New Jersey School Boards Association, Sept/Oct 2004 Letters; “The Effects of Lyme Disease on Students, Schools and School Policy,” Patricia V. Smith

(editor) *Lyme Disease Update: Science Policy & Law*: Lyme Disease Association, 2004. Marcus Cohen author; Patricia V. Smith, editor

*The ABC's of Lyme Disease*; Lyme Disease Association, 2000. “Educating Children with Lyme Disease,” Al Tagliabue, Patricia V. Smith

*Great Outdoors* magazine, Summer, 2000 “Lyme Disease: A Tick Away” Pat Smith President, Lyme Disease Association of New Jersey

*Herald* newspaper “Education: Wall to Wall,” column, Pat Smith 1990~1995

**Also:**

*How A Tick Can Make You Sick*, PowerPoint for schools published on [www.LymeDiseaseAssociation.org](http://www.LymeDiseaseAssociation.org), developed by Patricia V. Smith (free use for all)



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## **RESEARCH JOURNALS & INSTITUTIONS**

The LDA has been successful in its choices of research partners. To date, 33 published scientific articles have acknowledged LDA in the following peer-reviewed medical journals:

- Psychosomatics 2013; • Internat'l Jour. of Med. Sciences 2013; • Northeastern Naturalist 2013; • Neurology Jrnl 2012;
- (4) PLOS One 2012 (2X), 2011, 2010; • Genetics 2011; • Jour. of Bacteriology 2011; • Jour. of Medical Entom 2010;
- Neurobiology of Disease 2010; • Gene 2009; • Archives General Psychiatry 2009; • Microbial Pathogenesis 2008;
- Emerging Infectious Dis. July 2008; • (2) Neurology 1999, 2008; • Jour. of Internat'l Neuropsychological Soc. 2006;
- Infection & Immunity 2006; • Jour. of Clinical Microbiology 2005; • Expert Review of Anti-Infective Therapy 2004;
- Proceedings of Nat'l Academy of Sci. 2004; • (2) Jour. of Spirochetal & TBD 1999, 2002; • (3) Jour. of Neuropsychiatry & Clinical Neurosciences 2001; 2002; 2013; • Medscape Infectious Diseases April 2000; • Jour. of American Medical Association 1999; • Psychiatric Clinics of North America 1998; • (2) Infection 1996; 1998

The LDA has provided funding to researchers at institutions coast-to-coast for various projects related to Lyme and other tick-borne diseases, including:

- Boston Medical Cntr. (MA); • Brigham & Women's Hosp. (MA); • Columbia U. (NY); • Fox Chase Cancer Ctr. (PA);
- Jersey Shore Medical Center (NJ); • NRF/New York Univ.; • New York Medical College; • NY Psychiatric Institute;
- NIH/NASA (MD); • Lyndon State College (VT); • Rockefeller Univ. (NY); • Science Center Univ. City (PA);
- Shenandoah Univ. Sch. Pharm. (VA); • Stony Brook Univ. (NY); • Tulane Regional Primate Ctr. (LA);
- US Dept. of Agriculture; • Univ. of California, Davis; • Univ. of Medicine & Dentistry, NJ (now Rutgers);
- Univ. of New Haven (CT); • Univ. of North Florida; • Univ. of Pennsylvania; • U. of Pennsylvania, Edinboro;
- University of Rhode Island

## **PHYSICIAN EDUCATION**

Continuing Medical Education (CME) credits are awarded to physicians who register for the conferences to receive such credits, which may be necessary for their continued medical practice. The conference faculties consist of some of the most highly regarded worldwide professionals in their fields.

### **LDA 14 Scientific CME Meetings (141.5 CMEs awarded to physicians)**

- Lyme Disease & Other Spirochetal & Tick-Borne Diseases 1999 Bard College Annandale-on Hudson, NY (Westchester Academy of Medicine 13 Category (Cat.) 1 CME, also had Dental credits CDE, Nursing CEU)
- Lyme & Other TBDs: Focus on Children & Adolescents 2000 Princeton, NJ (Jersey Shore Medical Center 9 Cat. 1 CME)
- Lyme & Other TBDs: A Twenty 21st Century View 2001 Princeton, NJ (Columbia 7.5 Cat. 1 CME)
- Lyme & Other TBDs: Current Strategies & A Map to the Future 2003 Phila., PA (Columbia 8.5 Cat. 1 CME)
- Lyme & Other TBDs: Technology Leading the Way 2004 Rye, NY (Columbia 8.5 Cat. 1 CME)
- Lyme & Other TBDs: Emerging Tick-Borne Diseases 2005 Phila., PA (Columbia 8.75 Cat. 1 CME)
- Lyme & Other TBDs: Seeking Answers Through Science 2006 Phila., PA (Columbia 8.75 Cat. 1 CME)
- Lyme & Other TBDs: Bridging the Medical Chasm 2007 Boston, MA (Columbia 8.75 Cat. 1 CME)
- Lyme & Other TBDs: Solutions Through Cutting Edge Science 2008 San Fr., CA (Col. U. 9.75 Cat. 1 CME)
- Lyme & Other TBDs: 34 Years. From Lyme, CT, Across the Nation 2009 National Harbor, MD (Columbia 8.75 Cat. 1 CME)
- Lyme & Other TBDs: The Science & Clinical Implications 2010 Phila., PA (Columbia 13.0 Cat. 1 CME)
- Lyme & Other TBDs: 2011 Update for Scientists, Clinicians & Health Officials Phila., PA (Columbia 13.25 Cat. 1 CME)
- Lyme & Other TBDs: Microbial Persistence & TBDs 2012 Phila., PA (Columbia 13.0 Cat. 1 CME)
- Lyme & Other TBDs: Science, Myth & Reality 2013 St. Paul, MN (American Academy of Family Practitioners 11.0 Prescribed CME)

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