

THE
— 66TH —
ANNUAL MEETING

of the American Lung Association of New England's
Medical and Scientific Branch
Formerly Massachusetts Thoracic Society

WEDNESDAY, APRIL 6, 2011
MARRIOTT BOSTON NEWTON HOTEL

Tufts
UNIVERSITY

School of
Medicine

† AMERICAN LUNG ASSOCIATION®

*Jointly Sponsored by Tufts University School of Medicine
and the American Lung Association of New England*

Agenda & Meeting Information

The 66th Annual Meeting is jointly sponsored by Tufts University School of Medicine and the American Lung Association of New England



School of
Medicine



INTENDED AUDIENCE

This continuing medical education activity is appropriate for pulmonologists, allergists, primary care physicians, thoracic surgeons, pulmonary fellows, nurses, respiratory therapists and research scientists interested in adult and pediatric pulmonary and critical care medicine.

GOAL

The goal of the activity is to improve the care of patients with pulmonary, critical care and sleep related issues, as well as provide knowledge and competency in new advances in the treatment of pulmonary, critical care and sleep medicine.

EDUCATIONAL OBJECTIVES

At the conclusion of the activity, participants will be able to:

- Identify and address particular health care needs of COPD patients, first responders of terrorist attacks and drivers with sleep disorders.
- Incorporate new tools for discussion of futility and consensus building in the ICU setting.
- More effectively incorporate the use of computer based resources into daily practice.

This activity is designed to address the following ABMS/IOM competencies:

- Patient Care
- Medical Knowledge
- Practice-Based Learning and Improvement

MEDICAL & SCIENTIFIC BRANCH

All registrants of the 66th Annual Meeting are very much welcomed as new members of the American Lung Association of New England's Medical & Scientific Branch (Massachusetts Thoracic Section).

The purpose of the Medical and Scientific Branch is:

- To provide expert input to and involvement in the mission-related work of the American Lung Association of New England.
- To improve patient care through the offering of Pulmonary-focused continuing medical education and health care professional (HCP) training to providers throughout New England.
- To encourage, support and sponsor lung disease research efforts focused on prevention, early detection and best practice treatment including rehabilitation.

CONTACT US

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66TH ANNUAL MEETING

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Medical and Scientific Branch
Formerly Massachusetts Thoracic Society

**WEDNESDAY, APRIL 6, 2011
MARRIOTT BOSTON NEWTON HOTEL**

MEETING AGENDA

7:00 a.m. REGISTRATION/EXHIBITS

7:45 a.m. BUSINESS MEETING
See Overleaf for Agenda

8:05 a.m. WELCOME
Jeffrey Seyler
President and CEO, American Lung Association of New England
Alexander C. White, MD, Morning Moderator
American Lung Association of New England, Medical & Scientific Branch (Thoracic Section) President, Associate Professor, Tufts University School of Medicine, Chief, Pulmonary Medicine, Medical Director of the Sleep Disorders Program, New England Sinai Hospital, Massachusetts

8:15 a.m. BEST CLINICAL CASES
Moderator: L. Jack Faling, MD
Professor of Medicine, Boston University School of Medicine, Staff Physician, Pulmonary and Critical Care Section, West Roxbury Veterans Administration Medical Center, Massachusetts

Ana Cojocaru, MD
Pulmonary and Critical Care Fellow, UMass Medical School

Finn Hawkins, MD
Pulmonary and Critical Care Fellow, Boston Medical Center

Anne Bagley, DO
Pulmonary Critical Care Fellow, Lahey Clinic

9:15 a.m. LECTURE
How to Research the Research
Kevin Wilson, MD
Assistant Professor of Medicine, Boston University School of Medicine, Pulmonary, Allergy, Sleep, and Critical Care Medicine, Deputy Editor of Pulmonary, Critical Care, and Sleep Medicine, UpToDate

10:00 a.m. FIRST PRIZE SCIENTIFIC AWARD
Clinical Science Abstract Presentation: Global DNA Methylation and Lung Function in the Normative Aging Study
Nancy E. Lange MD, MPH et al
Channing Laboratory, Brigham and Women's Hospital, Harvard Medical School

10:10 a.m. REFRESHMENTS/EXHIBITS

10:45 a.m. THEODORE L. BADGER MEMORIAL LECTURE
Preventing and Resolving Futility Disputes
Douglas B. White, MD, MAS
Associate Professor, Director, Program on Ethics and Decision Making in Critical Illness, Department of Critical Care Medicine, University of Pittsburgh Medical Center

11:30 a.m. SECOND PRIZE SCIENTIFIC AWARD
Clinical Science Abstract Presentation: Diastolic Pulmonary Artery Pressure – Pulmonary Artery Occlusion Pressure Difference Predicts World Health Organization (WHO) Group 2 Pulmonary Hypertension
Stefan Richter, MD et al
Tufts Medical Center

11:40 a.m. LUNCH/EXHIBITS

- 12:40 p.m. **PRESENTATION OF AWARDS**
Dawn DeMeo, MD, Afternoon
Moderator
American Lung Association of New
England, Medical & Scientific Branch
(Thoracic Section) Vice President
*PRESENTATION OF THE CHADWICK
MEDAL 2011 AND THE BEST CASE
AWARD*
- 1:20 p.m. **FIRST PRIZE SCIENTIFIC AWARD**
Basic Science Abstract Presentation:
The Effects of Induced Hypothermia
on Pulmonary Endothelial Monolayer
Hyperpermeability
Maher Ghamloush, MD, et al
Tufts Medical Center
- 1:30 p.m. **JOHN M. TYLER MEMORIAL
LECTURE**
World Trade Center Health Studies:
9/11 – 10 Years Later and 1st
Responders
David J. Prezant, MD
Chief Medical Officer, Special Advisor
to the Fire Commissioner for Health
Policy, Co-Director WTC Medical
Monitoring & Treatment Programs,
New York City Fire Department and
Professor of Medicine, Albert Einstein
College of Medicine
- 2:20 p.m. **SECOND PRIZE SCIENTIFIC
AWARD**
Basic Science Abstract Presentation:
Directed Differentiation of Mouse
Embryonic Stem Cells into Primordial
Lung Progenitor Cells
Finn Hawkins, MD, et al
Boston Medical Center
- 2:30 p.m. **REFRESHMENTS/EXHIBITS**
- 2:45 p.m. **TOURIGNEY MEMORIAL LECTURE**
Physical Inactivity in COPD:
Interventions and Strategies to Increase
Physical Activity
Janet L. Larson, PhD, RN, FAAN
Professor and Chair, Division of
Acute, Chronic and Long Term Care,
University of Michigan School of
Nursing
- 3:30 p.m. **BARBARA S. O'NEIL MEMORIAL
PANEL LECTURE**
Issues of Driving Safety in People with
Sleep Disorders/Sleep Apnea
Session Moderator: David A. Neumeier,
MD
Dean of Admissions, Tufts University
Medical School; Pulmonary and
Critical Care Medicine, Lahey Clinic
Medical Center
- Case Presentation - The Drowsy Driver
Indurashmi Mayakrishnan, MD
Sleep Fellow, Lahey Clinic
- Sleep and Drowsy Driving
Nancy A. Collop, MD
Professor of Medicine and Neurology
in the Division of Pulmonary/Critical
Care/Allergy Division, Director of the
Emory Sleep Center
- Drowsy Driving and the RMV
Steven Evans, PhD
Director, Medical Affairs
for the Registry of Motor Vehicles
- Psychology of Drowsy Driving
Cynthia M. Dorsey, PhD, Diplomate
ABSM, cert. BSM
Director, Behavioral Sleep Medicine,
Sleep HealthCenters
- Panel Discussion and Audience Q&A
- 5:00 p.m. **CLOSING REMARKS, EVALUATION
AND SIGN OUT**

BUSINESS MEETING AGENDA

The 66th Annual Meeting
Wednesday, April 6, 2011
Marriott Boston Newton Hotel

7:45 - 8:05 a.m.

WELCOME TO THE 66th ANNUAL MEETING

Alexander C. White, MD

FINANCIAL REPORT

Aran Kadar, MD

RECOGNITION OF SUPPORT

Dawn DeMeo, MD

RESEARCH

Martin Joyce-Brady, M.D.

PRESIDENT'S REPORT

Alexander C. White, MD

MASSACHUSETTS THORACIC SECTION COUNCIL

Alexander C. White, MD

OLD BUSINESS
CEASE OF TOBACCO SALES IN PHARMACIES

Alexander C. White, MD

NEW BUSINESS

Alexander C. White, MD

ADJOURNMENT

Alexander C. White, MD

COUNCIL AND COMMITTEES

THORACIC SECTION COUNCIL

Alexander C. White, MD – President

Tufts University School of Medicine, Rose Kalman Research Center, New England Sinai Hospital

Dawn DeMeo, MD – Vice President

Channing Laboratory, Brigham and Women's Hospital

Aran Kadar, MD, MPH - Secretary-Treasurer

Newton Wellesley Hospital

David A. Neumeyer, MD – Ex-Officio

Tufts University School of Medicine, Lahey Clinic Medical Center

Khalid Ismail, MD

Lahey Clinic Medical Center

Anthony Bohnert, MD, Lahey Clinic Medical Center

Winston Cook, RRT, New England Home Therapies

Colleen L. Channick, MD, Massachusetts General Hospital

Patrick Gordan, MD, Mount Auburn Hospital

Mary Hanley, MA, RN, VA Boston Health Care System

John Hanrahan, MD, MPH, Pulmatrix

Katherine Hendra, MD, Tufts Medical Center

Stephen Krinzman, MD, UMass Memorial Medical Center

Ciaran McNamee, MD, Brigham and Women's Hospital

James E. Mojica, MD, Massachusetts General Hospital

Edward Nardell, MD, Brigham and Women's Hospital

Lawrence Rhein, MD, Children's Hospital Boston

Kimberly Robinson, MD, Marlborough Hospital

Maher K. Tabb, MD, MS, FACP, FCCP, Tufts Medical Center

Timothy Wu, MD, Lahey Clinic Medical Center

2011 CHADWICK MEDAL COMMITTEE

Aran Kadar, MD - Chair

Newton Wellesley Hospital

Dawn DeMeo, MD, Brigham and Women's Hospital

David Green, MD, Emerson Hospital

Alexander C. White, MD, New England Sinai Hospital

PROFESSIONAL EDUCATION/PLANNING COMMITTEE

Dawn DeMeo, MD - Chair & Course Director

Brigham & Women's Hospital

Irwin A. Buchwald, MD, Saints Memorial Medical Center

Bartolome R. Celli, MD, Brigham and Women's Hospital

Cynthia Cookson, BS, RRT, AE-C, Innovex NHP

Mary Hanley, MA, RN, VA Boston Health Care System

Timothy Liesching, MD, Lahey Clinic

David A. Neumeyer, MD, Lahey Clinic

George T. O'Connor, MD, Boston University School of Medicine

Jussi Saukkonen, MD, Boston University School of Medicine

Alexander C. White, MD, New England Sinai Hospital

Kevin Wilson, MD, UpToDate

RESEARCH COMMITTEE 2010-2011

Martin Joyce-Brady, MD - Chair

Boston University School of Medicine

Rebecca Marlene Baron, MD, Brigham and Women's Hospital

Hilary Goldberg, MD, Brigham and Women's Hospital

Gerald M. Green, MD, Baystate Medical Center

J. Mark Madison, MD, UMass Medical School

Victor Pinto-Plata, MD, St. Elizabeth's Medical Center

Jussi Saukkonen, MD, Boston University School of Medicine

Ross Summer, MD, Boston University School of Medicine

Alexander C. White, MD, New England Sinai Hospital

NOMINATING COMMITTEE

Gary R. Epler, MD - Chair

Brigham and Women's Hospital

Robert Nahill, MD, Jordan Hospital

Mohammad G. Reda, MD, Waltham Medical Group

SYLLABUS DISCLOSURE OF FINANCIAL RELATIONSHIPS



TITLE OF ACTIVITY:

66th Annual Meeting of the American Lung Association of New England's Medical & Scientific Branch

DATE OF ACTIVITY:

April 6, 2011

BALANCE, OBJECTIVITY, BEST AVAILABLE EVIDENCE

In accordance with the policies of Tufts University School of Medicine Office of Continuing Education and major accrediting or professional organizations, educational activities shall be balanced, objective, and based on scientific methods generally accepted in the medical community. Faculty shall reference the best available evidence (e.g., evidence-based medicine or best practices) and shall disclose limitations of the information and data, such as interim results, preliminary data or unsupported opinion. Activities shall provide meaningful opportunities for scientific debate or questioning during the activity.

DISCLOSURE OF RELEVANT FINANCIAL RELATIONSHIPS WITH COMMERCIAL INTERESTS

All faculty, course directors, planning committee members and others in a position to control the content of an educational activity are required to disclose to the audience any relevant financial relationships with commercial interests. Conflicts of interest resulting from a relevant financial relationship are resolved prior to the activity during the content review.

Commercial Interest is defined as any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.

Financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial benefits are usually associated with roles such as employment, management position, independent contractor (including contracted research), consulting, speaking and teaching, membership on advisory committees or review panels, board membership, and other activities from which remuneration is received, or expected. The Accreditation Council for Continuing Medical Education considers relationships of the person involved in the educational activity to include financial relationships of a spouse or partner.

Relevant Financial Relationship is a financial relationship in any amount occurring within the past 12 months that creates a conflict of interest.

A Conflict of Interest is created when an individual has an opportunity to affect educational content about products or services of a commercial interest with which he/she has a financial relationship.

The following individuals have a relevant financial relationship with a commercial interest(s):

Role	Name	Proprietary Entity	Nature of Financial Relationship
Planning Committee	Irwin A. Buchwald, MD	GlaxoSmithKline /Pfizer/ Boehringer Ingelheim	Speaker's Bureau
Course Director	Dawn L. DeMeo, MD, MPH	NIH, Doris Duke Foundation Alpha I Foundation	Grant/Research Support Advisory Committee
Presenter	Janet L. Larson, PhD, RN	Respironex	Royalties
Planning Committee	George T. O'Connor, MD, MS	Sepracor, Inc.	Consultant
Planning Committee	Victor M. Pinto Plata, MD, MA	GlaxoSmithKline	Speaker's Bureau & Grant/Research Support
Presenter	David J. Prezant, MD	CDC-NIOSH World Trade Center Grant	Grant/Research Support
Planning Committee	Kevin C. Wilson, MD	UpToDate, Inc., a Wolters Kluwer Company Investment account that is independently managed but may contain healthcare related stock at any given moment	Employee Stock shareholder

The following individuals have no relevant financial relationship to report in the last 12 months with a commercial interest:

Anne Bagley, DO, Rebecca M. Baron, MD, Martin F. Joyce-Brady, MD, Bartolome R. Celli, MD, Ana Cojocar, MD, Nancy A. Collop, MD, Cynthia A. Cookson, BS, RRT, AE-C, Cynthia M. Dorsey, PhD, Diplomate ABSM, cert. BSM, Steven A. Evans, PhD, Maher A. Ghamloush, MD, Hilary J. Goldberg, MD, MPH, Gerald M. Green, MD, Mary V. Hanley, MA, RN, Finn J. Hawkins, MD, Nancy E. Lange, MD, MPH, Timothy N. Liesching, MD, FCCP, John M. Madison, MD, Indurashmi Mayakrishnan, MD, David A. Neumeyer, MD, Stefan Richter, MD, Jussi J. Saukkonen, MD, Jeffrey Seyler, Ross Summer, MD, Alexander C. White, MD, Douglas B. White, MD, MAS, Paul Duncan, MD, Karin Pearson, Lara Shew, Miroslayda Tejada.

Individual faculty will disclose any discussion of off-label or unapproved uses.

ACCREDITATION & ADDITIONAL INFORMATION

PHYSICIANS

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Tufts University School of Medicine (TUSM) and the American Lung Association of New England (ALANE). TUSM is accredited by the ACCME to provide continuing medical education for physicians.

TUSM designates this live activity for a maximum of 6.75 *AMA PRA Category I Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Requirements for Successful Completion: To receive CE credit, participants must sign-in, attend the entire activity and complete and submit the activity evaluation provided in syllabus materials. Certificates/statements of credit will be mailed within 4-6 weeks after the activity.

For question regarding certification, please contact Tufts University School of Medicine - Office of Continuing Education at med-oce@tufts.edu or 617-636-6579.

RESPIRATORY THERAPISTS

This program meets the regulations according to the Licensure Board of Respiratory Care of Massachusetts for 7.5 Contact hours. Certificates of attendance will be mailed after the event to all attendees who complete and evaluate the activity.

NURSES

Certificates of attendance outlining the learning objectives will be mailed after the event to all attendees who complete and evaluate the activity. There is no automatic conversion of Continuing Medical Education (CME) credits to nursing contact hours and the Massachusetts Board of Registration in Nursing does not possess a formula for converting CME to CE. However, CME accredited programs which meet the Board's regulations at 244 CMR 5.00 can be used towards nursing CE requirements for license renewal. It is the nurse's responsibility to determine that the program meets the requirements. For further details, see the Frequently Asked Questions on the Continuing Education page of the mass.gov Health and Human Services website at <http://www.mass.gov/dph/boards/rn>

NON ENDORSEMENT STATEMENT

The content and views presented in this educational activity are those of the faculty and do not necessarily reflect the opinions or recommendations of Tufts University School of Medicine or the American Lung Association of New England. Inclusion in this activity does not constitute approval or endorsement of any commercial products or services. These materials have been prepared based on the best available information, but are not exhaustive of the subject matter. Participants are advised to critically appraise the information presented and encouraged to consult the available literature for any commercial products mentioned.

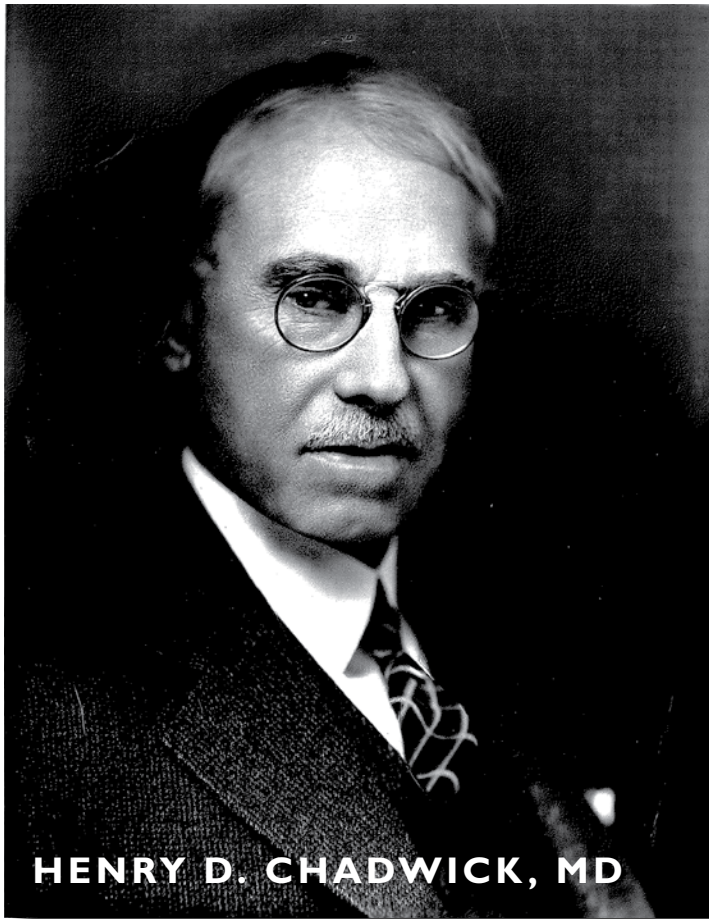
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<http://www.tufts.edu/med/about/offices/oce/privacy.html>

HENRY D. CHADWICK MEDAL



Dr. Henry D. Chadwick had always wanted to be a physician, but first worked in pharmacies while being tutored in order to enter medical school. He entered Harvard Medical School in 1891 and graduated cum laude. His major work focused on diagnosis and classification of juvenile tuberculosis.

Doctor Chadwick practiced medicine for 16 years and then he became ill with TB and spent some time at the Trudeau Hospital in Saranac Lake. Upon his return he became more active in public health by becoming a member of the Waltham Board of Health and being on the Board of the Channing Home for TB. He also lectured at Harvard Medical School and School of Public Health.

Doctor Chadwick was President of three local TB Associations in Massachusetts and of two state TB Associations – Massachusetts and Michigan. He became President Emeritus of the Massachusetts TB and Health League in 1945.

Doctor Chadwick's belief that the use of the TB skin test was the most practical way of detecting tuberculosis is still in practice today. His work in the study and treatment of tuberculosis has done much to help us with the eradication of TB.

DEAN R. HESS, RRT, PhD

RECIPIENT OF THE 2011 HENRY D. CHADWICK MEDAL

APRIL 6, 2011

The Henry D. Chadwick Medal is the highest honor awarded by the American Lung Association of New England's Medical & Scientific Branch (formerly Massachusetts Thoracic Society). It is presented to individuals for "meritorious contributions to the study and treatment of tuberculosis and other thoracic diseases."

The medal was named for and first awarded to Henry D. Chadwick, MD, in 1964, when he was 90 years old. Since then, 46 men and women have been so honored. Today the name Dean R. Hess, RRT, PhD will join the list of distinguished individuals.

CHADWICK MEDAL RECIPIENTS 1964 - 2010

1964	Henry D. Chadwick, MD	Tuberculosis Specialist, Sanatorium Administrator and Health Commissioner
1965	Cleaveland Floyd, MD	Phthysiologist: Therapeutic Pneumothorax
1966	Paul DeFault, MD	Phthiotherapist & Sanatorium Administrator
1970	Edward Gaensler, MD	Thoracic Surgeon, Physiologist Researcher Interstitial Lung Disease, Asbestosis
	Edward Welch, MD	Internist, Pulmonologist
1972	Theodore L. Badger, MD	Internist, Pulmonologist, Tuberculosis Therapy, Teacher
1974	John W. Strieder, MD	Thoracic Surgeon, Teacher
1975	Jeremiah Mead, MD	Physiology Researcher: Respiratory Mechanics
	Donald A. Martin, MD	Phthiotherapist & Sanatorium Administrator
1976	Harry Shwachman, MD	Pediatrics Professor, Cystic Fibrosis Pioneer
1978	John H. Emerson, MD	Inventor: Iron Lung, O2 Tent, IPPB
1979	Harriet L. Hardy, MD	Occupational Disease Researcher: berylliosis, "Black Lung"
	James L. Whittenberger, MD	Physiology Professor: Mechanics, Air Pollution
1980	Gordon L. Snider, MD	Pulmonary Clinician, Teacher & Researcher: Respiratory Therapy, Emphysema
1981	Mary Ellen Avery, MD	Pediatric Intensivist, Researcher, Teacher & Administrator
1982	Joan M. Tourigney, RN, RRT (posthumously)	Respiratory Therapist, Nurse Specialist
1983	Mary K. Steinkrauss, RN (posthumously)	Massachusetts TB Program, Nurse Specialist
	Lynne Reid, MD	Pathologist, Researcher: Bronchitis, Emphysema, and Pulmonary Hypertension
1985	Howard G. Turner, Jr., MD	Tuberculosis Specialist, Teacher
	Henning Pontoppidan, MD	Anesthesiologist; Pioneer in Respiratory Therapy and Chest Physical Therapy
1986	Richard H. Overholt, MD	Thoracic Surgeon; Pioneer Crusader against cigarette smoking
1987	Gustave A. Laurenzi, MD	Pulmonary Internist; Teacher & Raconteur
1988	Homayoun Kazemi, MD	Physiology Researcher: Control of Breathing Pulmonary Clinician & Teacher
1989	Denise J. Strieder, MD	Pediatric Pulmonary Clinician; Researcher & Teacher
1990	Earle B. Weiss, MD	Administrator, Teacher; Scientist Clinical & Laboratory
1991	Dwight E. Harkin, MD	Cardiac & Thoracic Surgeon; TB Treatment Anti-Smoking Activist

1992	Joseph D. Brain, Sc.D	Teacher, researcher in pulmonary physiology and lung cell biology
1994	Jerome S. Brody, MD	Clinician-scientist in pulmonology; researcher in lung development and cell differentiation
	Blake Cady, MD	Anti-smoking Activist; Researcher & Surgeon in oncology
1995	Mary Ellen Wohl, MD	Pediatric Pulmonologist, physiology researcher in lung development, new therapies for cystic fibrosis, teacher and administrator
1996	Hermes C. Grillo, MD	Thoracic surgeon; new procedures for tracheal resection and reconstruction surgery, teacher and clinician
1997	Frank E. Speizer, MD	Authority on the epidemiology of asthma and COPD: Researcher, Trainer
1999	L. Jack Faling, MD	Clinician, Teacher, Administrator, Mentor and role model
2000	Jeffrey M. Drazen, MD	Clinician, Scientist, teacher; asthma genetics; treatment, physiology
2001	Barry L. Fanburg, MD	Teacher, Researcher, Clinician; Sarcoidosis; Diagnosis and Therapy
	Melvin W. First, Sc.D	Teacher, Researcher: Air Quality, Industrial Hygiene and Therapy
2002	John F. Beamis, Jr., MD	Interventional Pulmonologist, Clinician, Teacher
2003	Bartolome R. Celli, MD	Clinician, Teacher, Researcher, Physiologist, Pulmonary Rehab Specialist
2004	Jeffrey J. Fredberg, PhD	Teacher, Researcher – Airway Biology/Physiology, Asthma
2005	Nicholas S. Hill, MD	Scientist, Teacher, Researcher – Pulmonary Vascular Biology, Clinical Pulmonary Hypertension, and Non-Invasive Mechanical Ventilation
2006	John Bernardo, MD	Clinician, Researcher, Expert in TB Management, Including the Homeless Population
2006	Edward A. Nardell, MD	Clinician, Teacher, Expert in TB Control
2007	Richard S. Irwin, MD	Clinician, Teacher, Researcher - etiology and management of cough
2008	David Michael Center, MD	Clinician, Teacher, Research in Pulmonary Immunology
2009	Raymond L.H. Murphy, Jr., MD	Clinician, Professor, Research in lung sounds, Co-founder International Lung Sounds Association
2010	Ronald C. Silvestri, MD	Clinician, Teacher, Role Model for Pulmonary Trainees

COPD

Nationwide COPD Initiative

Chronic obstructive pulmonary disease (COPD), which includes emphysema and chronic bronchitis, recently surpassed stroke as the third leading cause of death in the United States. An estimated 13.1 million American adults have been told by their doctor they have COPD, but studies of lung function indicate that many struggle with symptoms without getting a proper diagnosis. The number of Americans living with COPD may actually be as high as 24 million. COPD is a very costly disease: According to the National Institutes of Health, the total healthcare cost of COPD in the United States will be \$29.5 billion in 2010, and an additional \$20.4 billion in lost productivity.

For over 100 years, the American Lung Association has been a champion for people affected by lung disease. Today, the Lung Association enjoys high levels of awareness and trust from the public, and is well-regarded for basing its prevention, education and advocacy actions on proven science. With its nationwide presence of staff and thousands of volunteers, no other organization is better suited to lead a comprehensive nationwide initiative to address COPD. Through this initiative, the American Lung Association is focused on the following:

- Increasing **awareness** of COPD as the third leading cause of death.
- Increasing **understanding** that COPD is preventable and treatable.
- Implementing an **advocacy** strategy to address COPD as a national health priority.
- Reducing the health, economic and social **burden** of COPD for patients, their families and caregivers, thus improving their quality of life.

Prevention and Advocacy

The American Lung Association is leading the efforts to prevent COPD by advocating for strong tobacco control policies, including higher tobacco taxes, strong regulation of tobacco products, smokefree air laws and other policies that will reduce the incidence of COPD. The American Lung Association also works to increase federal funding for COPD research and treatment programs at the National Institutes of Health, the Department of Veterans Affairs and other federal agencies.

The American Lung Association continues to urge the federal government to establish a comprehensive federal plan to address COPD and to expand its data collection efforts to better inform a strategic plan to properly address this public health problem.

The Lung Association fought for legislation requiring Medicare to pay for pulmonary rehabilitation services for COPD patients.

We continue to fight to ensure that COPD patients needing oxygen can still maintain a high quality of life, both in their communities and while traveling.



Research

Approximately 20 percent of funding through the Lung Association's Nationwide Research Awards and Grants Program is expended on COPD. The Lung Association funds research that focuses on preventing COPD, finding new and improving existing treatments and reducing the physical and mental burden of the disease. Here are a few examples of research projects currently being funded by the American Lung Association:

Improving Treatment

Masahiro Sakagami, PhD, at Virginia Commonwealth University, Richmond, VA

Dr. Sakagami and his team will test an inhaled treatment that could result in a new class of drug that simultaneously addresses three processes in the lung that are involved in the development of COPD. They will investigate whether, by attacking COPD through three mechanisms, it will have more success than current treatments, which treat one disease mechanism at a time.

Improving COPD Survival

Anne-Karina Perl, PhD, at Children's Hospital Medical Center, Cincinnati, OH

Funded in partnership between the American Lung Association and the Alpha-1 Foundation, Dr. Perl and her team are studying how injury to the cells lining the airways can lead to airway wall thickening. The long-term goal of this study is to better understand the molecular events in the process, and to use these findings to improve long-term survival in COPD.

Preventing and Monitoring COPD

Scott Alper, PhD, at National Jewish Health, Denver, CO

Dr. Alper and his colleagues are investigating ways to modify inflammation during the progression of COPD as an approach to developing novel diagnostic and treatment options. The unique genes found could be used for better diagnosis and management of at-risk patients, and could lead to alternate prevention and monitoring strategies.



Education and Support

Patient education can help improve skills in managing COPD, improve the ability to cope with the anxiety and burdens of chronic illness and improve overall health status, especially as measured by quality of life and increased ability to participate in everyday activities. The American Lung Association provides education and support to lung cancer patients and their families in a variety of ways.

For close to 50 years, Lung Associations around the United States have responded to the need for patient, family and/or caregiver education and support through **Better Breathers Clubs**. Better Breathers Clubs offer the opportunity to learn ways to better cope with COPD while getting the support of others who share in their struggles.

Through its **Lung Helpline**, which is staffed by registered nurses and respiratory therapists, the American Lung Association offers free counseling and support to callers seeking information about COPD. The American Lung Association has produced several COPD publications and reports that are available in print and electronically.

The Lung Association also provides support to patients, caregivers and professionals through the web-based **COPD NexCura Profiler** interactive decision tool. The Profiler helps the patient and their caregiver understand how their diagnosis, test results and medical history affect treatment options.

The **My Fighting for Air Community** is an online volunteer and caregiving coordination service for COPD patients and their families who are coping with acute or chronic lung cancer issues. This service is a simple, immediate way for friends, family, colleagues and neighbors to support loved ones in need.



Increasing Awareness

Although COPD is the third leading cause of death in the United States, public awareness of the disease has been low. The American Lung Association is well positioned to bring COPD to the forefront and increase visibility and awareness of the disease. In addition to its own promotional efforts, the American Lung Association is also an active partner in the Learn More, Breathe Better nationwide awareness campaign sponsored by the National Institutes of Health. This campaign encourages men and women over age 45 who are at risk for, or experiencing any symptoms of, COPD to get a simple diagnostic breathing test and consult with their physician about treatment options.



About the American Lung Association

Now in its second century, the American Lung Association is the leading organization working to save lives by improving lung health and preventing lung disease. With your generous support, the American Lung Association is "Fighting for Air" through research, education and advocacy. For more information about the American Lung Association, a Four-Star Charity Navigator Charity and holder of the Better Business Bureau Wise Giving Guide Seal, or to support the work it does, call 1-800-LUNG-USA (1-800-586-4872) or visit www.LungUSA.org.

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A large rectangular area with rounded corners, outlined in dark gray, containing 25 horizontal lines for writing.

Lined writing area with 25 horizontal lines.

Lined writing area with 25 horizontal lines.

Golf

PRIVILEGE CARD

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