

CURRICULUM VITAE

Name: Anthony Ming Szema, M.D.
Assistant Professor of Medicine and Surgery
Chief, Allergy & Clinical Immunology Section

Date of Birth: April 16, 1965

Place of Birth: Endicott, New York

Address: Private Practice
2500 Nesconset Highway
Suite 17A
Stony Brook, NY 11790

Allergy & Rheumatology Division
Department of Medicine
SUNY Stony Brook School of Medicine
Stony Brook, N.Y. 11794

Veterans Affairs Medical Center
Research Building 61
Room 111c
Northport, NY 11798

Office phone: 

FAX: 631-751-6268

Citizenship: United States of America

SSN: on file

Higher Education

Education:

1986 B.S.E. Rensselaer Polytechnic Institute, Troy, N.Y.
Industrial & Management Engineering
1991 M.D. Albany Medical College, Albany, N.Y.

Postdoctoral Training:

1991-1992 Intern, Medicine
Francis Scott Key Medical Center, Baltimore, M.D.
(Johns Hopkins Bayview Medical Center)
1992-1994 Resident in internal medicine
Hahnemann University Hospital, Philadelphia, PA

- 1994-1996 Fellow, Pulmonary diseases
Columbia-Presbyterian Medical Center
(NY-Presbyterian Hospital Columbia Campus)
Columbia University College of Physicians & Surgeons
New York, New York
- 1995-1996 Postdoctoral research fellow, Rheumatology/Immunology
Columbia-Presbyterian Medical Center
Columbia University College of Physicians & Surgeons

Postdoctoral Training (Continued):

- 1995-1997 Fellow, Clinical Adult and Pediatric Allergy and Immunology
Columbia-Presbyterian Medical Center
Columbia University College of Physicians & Surgeons
New York, New York
- 1996-1997 Fellow, Critical Care Medicine
Columbia-Presbyterian Medical Center
Columbia University College of Physicians and Surgeons
New York, New York

Certification & Licensure

- 1994 American Board of Internal Medicine
Diplomate in Internal Medicine
- 1997 American Board of Internal Medicine
Diplomate in Pulmonary Diseases
- 1999 American Board of Allergy and Immunology
Diplomate, Clinical Adult and Pediatric Allergy and Immunology
- 2002 American Board of Internal Medicine
Diplomate in Critical Care Medicine
- 2005 American Board of Internal Medicine
Recertified in internal medicine
- 2003 Advanced Trauma Life Support (ATLS)
American College of Surgeons
- 2005 Advanced Cardiac Life Support (ACLS)
American Heart Association
- 2005 Pediatric Advanced Life Support (PALS)
American Academy of Pediatrics
American Heart Association
- 2006 New York State License
- 2006 Massachusetts License
- 2006 Drug Enforcement Agency (DEA)
- 2008 Hands-On Rhinolaryngoscopy, (AAAAI)
- 2008 Endoscopic Evaluation and Management of Sinusitis (Pre and Post Surgery) Including Cultures (AAAAI)
- 2008 Diagnostic Procedures in Rhinosinusitis (AAAAI)

2008 Recertified in Pulmonary Diseases

Academic Appointments:

1997-1997-2005 Assistant Professor of Medicine, SUNY Stony Brook
Director, Allergy & Asthma Center
SUNY Stony Brook

1998- Chief, Allergy Section
Veterans Affairs Medical Center, Northport, N.Y.

1997- Adjunct Faculty, C.W. Post University, Brookville, N.Y.
Department of Biology

2000- Assistant Professor of Surgery/Otolaryngology
SUNY Stony Brook

2003-5 Director, Fellowship Training Program
Clinical Adult and Pediatric Allergy and Immunology
SUNY Stony Brook

2003- Chief, Allergy and Clinical Immunology Section
Division of Allergy and Rheumatology
SUNY Stony Brook

2009- Associate, Center for Medical Humanities, Compassionate
Care, and Bioethics, SUNY Stony Brook

Professional Practice & Services Location:

1997-8 Attending Physician, Intensive Care Unit
University Hospital, SUNY Stony Brook

1997-2005 Attending Physician, Clinical Adult and Pediatric Allergy and
Immunology Consultation Service
University Hospital, SUNY Stony Brook

1998-2001 Director, Hampton Bays Allergy and Asthma Center

2000 Attending Physician, Chinatown Health Clinic/Charles B.
Wang Community Health Center, N.Y., N.Y. (*pro bono*)

1997- Attending Physician, Team G/ICU Step-down Unit
University Hospital, SUNY Stony Brook

1997-2004 Director, Allergy and Asthma Center, Tech Park

1997- Attending Physician, VAMC Northport Intensive Care Unit
and Allergy Clinic

2005- Attending Physician, VAMC Northport Pulmonary Fellows
Clinic

2010 Stony Brook Allergy & Asthma, 2500 Nesconset Highway,
Suite 17A, Stony Brook, NY 11790

Professional and Scientific Societies:

American College of Chest Physicians (FACP 2000)
American College of Allergy, Asthma and Immunology (FACAAI 2000)
American Academy of Allergy, Asthma, Immunology (FAAAAI 2001)
American College of Physicians (FACP 2002)
American Thoracic Society (poster facilitator and abstract grader)
Society of Critical Care Medicine
Association of Certified Allergists
New York Allergy, Asthma, and Immunology Society
Long Island Allergy, Asthma and Immunology Society
New York State Thoracic Society
Chinese American Medical Society
Clinical Immunology Society
Sigma Xi
Alpha Pi Mu National Industrial Engineering Honor Society

Academic and Professional Honors:

1987-8 American Lung Association Mini-Externship/Scholarship
Fieldwork at Countway Library, Harvard Medical School, New England
Hyperbaric Medical Center, York Hospital, York, Maine, RPI
department of biomedical engineering, and Albany Medical College
departments of physiology and medicine

1988 NIH/NCI Medical Student Summer Research Scholarship
Fieldwork at National Taiwan University Medical School, Taipei,
Taiwan
"Epidemiological Survey of Hepatocellular Carcinoma in Taiwan"

1989-91 Vice-President, Albany Medical College Class of 1991

1990 Raeburn J. Wharton Scholarship, Albany Medical College

1990 Medical Society of the County of Schenectady Scholarship

1991 Recognition award by Dean, Albany Medical College
"for enhancing student life at Albany Medical College"

1991 Competitively selected to take a 3 month elective in Clinical
Immunology at the NIH/NIAID (Honors grade with Warren Strober,
M.D.)

1987-91 Excellent grades in physical diagnosis, human behavior, health care
systems, sub-internships in medicine and neurology, pulmonary
diseases

Academic and Professional Honors (continued):

- 1992 NIH Research Festival Award as "Resident with contributions to biomedical research" (NIH published ad in *New England Journal of Medicine*)
- 1994 Clinical Vignette presented at American College of Physicians Pennsylvania Chapter Meeting
- 1999-03 Program Committee for Allergy, Immunology and Inflammation Committee, American Thoracic Society
- 1999 Co-chairperson, National Resident Education Program for East Coast of United States, American Academy of Allergy, Asthma & Immunology
- 1999 Vice-Chairperson, Asthma, Allergy and Immunology Committee, ACCP
- 2000 Pulmonary/Critical Care Young Faculty Leadership Conference
- 2002 Leadership Development Program, AAAAI
- 2000-02 Chair, Airway Disorders Network, ACCP
- 2002 Recognition award for distinguished service on the Airways Disorders Network Steering Committee, ACCP
- 2003 Harvard-Macy Institute Program for Leaders in Medical Education
- 2003 Chair for seminars, Genetics, Molecular Biology and Epidemiology Committee, American Academy of Allergy, Asthma, and Immunology
- 2003 Chair, Postgraduate Asthma Program Committee, Asthma on the Cutting Edge: Novel Concepts Regarding Immunopathogenesis and Implications for Therapy, CHEST 2003, American College of Chest Physicians, Orlando, FL
- 2003 Relevance Reviewer for critical care medicine: American Board of Internal Medicine
- 2003 Member, Society of Critical Care Medicine
- 2003 Clinical Member, Clinical Immunology Society
- 2004 Scholarship (\$1000) to attend 10th National Symposium , Basic Aspects of Vaccines sponsored by the Walter Reed Army Institute of Research at the Uniformed Services University for the Health Sciences, Bethesda, MD, April 28-30, 2004
- 2004 Relevance Reviewer for pulmonary diseases: American Board of Internal Medicine
- 2004 Honors "for your dedication, innovation and contribution to the peer workgroups" by promoting excellence in End-of-Life Care, a national program supported by the Robert Wood Johnson Foundation, 2004 (Ira Byock, MD, Director)
- 2005 Liaison from American Academy of Allergy, Asthma and Immunology to American College of Chest Physicians at CHEST, Montreal, Canada
- 2006 Chair, Women's Health Committee, American College of Allergy, Asthma and Immunology
- 2006 Chair, Plenary Session on "Women's Health in Allergy & Asthma," ACAAI Annual Meeting, Monday November 20, 2006, Philadelphia, PA
- 2006 Program Committee for Annual Meeting, American College of Allergy, Asthma and Immunology
- 2006 Asthma & the Elderly Task Force, AAAAI
- 2006 Formal Medicine Housestaff Advising Program in Allergy/Immunology

- 2007 U.S. Congressional Testimony on Health Effects from 9/11
- 2007 NIH T15 Genomics and Proteomics Course at National Jewish Medical and Research Center
- 2007 2007-9 Guide to America's Top Physicians, Consumer's Research Council of America, Washington, D.C.
<http://www.consumersresearchcncl.org/>
- 2007 The Global Directory of Who's Who Honoring Executives and Professionals
- 2007 Representative from American College of Chest Physicians President Alvin Thomas, MD, at Convocation for new Fellows American College of Allergy, Asthma, and Immunology, November 10, 2007
- 2007 Chair, Joint Session of the ACCP/AAAAI at CHEST on Allergy, Asthma and Immunology: The Role of Sublingual Therapy in Asthma and Allergic Rhinitis
- 2007-9 Asthma in the Elderly task Force, AAAAI
- 2007-9 Cells and Mediators of Allergic Inflammation Committee, AAAAI
- 2003-9 Genetics, Molecular Biology & Epidemiology Committee, AAAAI
- 2008 American Thoracic Society Environmental Health Policy Committee
- 2009 Invited to Lecture at AAAAI on FDA Black Box Warning for Long-Acting Beta 2 Agonists
- 2009 Chair, Allergy Symposium at CHEST 2009, Sponsored by the ACCP and AAAAI, San Diego CA, November 3, 2009. (lectured on "Penicillin Desensitization for MRSA and VREF in the MICU")
- 2009 American Thoracic Society Environmental Policy Committee meeting in Chicago, October, 2009 (manuscript in preparation)
- 2010 First use of drug kalbitor to treat angioedema in the United States, March 25, 2010
- 2010 Chair joint ACCP/AAAAI Asthma Symposium at CHEST 2010
- 2010 Lecture on "New-Onset Lung Asthma Among Soldiers Serving in Iraq and Afghanistan" at CHEST 2010
- 2010 Chair and Albert Soffer Abstract Contest Judge, Pulmonary Hypertension Basic Science Oral Abstract Session, CHEST 2010, Vancouver
- 2011 Invited to lecture at seminar on regulatory T cells, FOXP3 and Helios at the AAAAI meeting, San Francisco.
- 2011 Co-Chair and lecturer, Occupational Lung Diseases among Soldiers Serving in Iraq and Afghanistan, American Thoracic Society International Conference, Denver, CO

Journal Reviewer:

- 1999-present *Annals of Allergy, Asthma, and Immunology*
- 2003-present *European Respiratory Journal*,
- 2004-present *Allergy and Asthma Proceedings*
- 2005-present *Journal of Critical Care*
- 2005-present *Pediatric Transplantation*
- 2010-present *New England Journal of Medicine*

Research Support:

- 2010 \$10,000 Genentech unrestricted investigator-initiated grant for asthma research related to IgE
- 2004-9 NIH HL K08 02713
\$700,000
"Modulation of Airway Constriction and Inflammatory Response by Vasoactive Intestinal Peptide" (Sami I. Said, M.D., mentor)
- 2004 SUNY Vice-Dean for Research
\$15,000
Matching Equipment Fund
- 2005 Merck Program #2543836
\$6,000
Visiting Professor Grand Rounds
- 2006 Genentech/Novartis EXCELS
\$140,000 (declined because of NIH K08)
EXCELS (Evaluating Clinical Effectiveness and Long-Term Safety in Patients with Moderate to Severe Asthma)
- 2006 Novartis Unrestricted Educational Grant for Visiting Lecturers
\$2,500
- 2007-present Pharming Group N.V.
\$12,000 to date
An open label Phase II Study of the Safety and Efficacy of Recombinant Human C1 inhibitor for the Treatment of Acute Attacks in Patients with Hereditary Angioedema (Pharming C1 1205-1)
- 2008 Veterans Affairs Equipment Grant
Olympus Digital nasal Endoscope, DVD, flat screen,
tower, mannequin simulator
\$65,000
- 2008 Declined ERCIP Award at NUMC with Marianne Frieri (travel distance) \$150,000

Completed Research Support:

- 1998 Astra Pharmaceutical Corporation
\$20,000
- 2000 Chinese Medical Society Research Award
\$10,000

- 2000 SUNY Targeted Research Opportunities Award (Dean's Clinical Scholar Award)
 \$30,000
- 2001 LeBien Visiting Professor Award from Immune Deficiency Foundation
 All expenses for visit
(Invited Hans Ochs, M.D., University of Washington, Seattle)
- 2003 Dean's Research Funds, SUNY Stony Brook
 \$20,000
- 2003 Pfizer Visiting Professor Award to SUNY Stony Brook
 \$7,500
(Invited Monica Kraft, M.D., National Jewish Medical Center)

Submitted Applications Awaiting Decisions in 2010

Co-investigator on VA Merit Review Application and R01 application with Sami I. Said on VIP and Pulmonary Hypertension

Principal investigator on two NIH R21 applications for asthma in children near the World Trade Center and for soldiers with new-onset asthma while serving in Iraq and Afghanistan

Courses Directed and Taught:

- 2000 Pulmonary Systems Course Occupational Medicine Lecture
- 1997- Laboratory Medicine
- 1997- Clinical Therapeutics
- 1997-2005 Medical Student Elective in Allergy/Immunology, Asthma and Pulmonary Diseases-Director
- 2000-2004 Rheumatology, Allergy Fellows and Dermatology Residents Immunology Lecture Series –Co-Course Director

University Service:

- 2000-present Admissions Committee, School of Medicine,
(Award for distinguished service, 2000)
- 2005-present Integrated Curriculum Committee Task Force
(presented findings at retreat at Sunwood, 2005)

- 2004 Graduate Medical Education Committee
- 1999-2000 VAMC Northport R&D Committee
2007-
- 2007 Board of Directors, Stony Brook Child Care Services
(Stony Brook University Daycare)

Publications in Refereed Journals:

Peer-reviewed articles:

1. Yellin, M.J., D'Agati, M., Parkinson, V., Han, A., Szema, A.M., Baum, D., Estes, D., Szabolcs, M., and Chess, L., Immunohistologic analysis of renal CD40 and CD40L expression in systemic lupus erythematosus and other glomerulonephritides, *Arthritis and Rheumatism*, 40:124-34, 1997
2. Szema, A., CD40 Ligand (CD154) and multiple roles in Inflammation: Implications in the pathogenesis of asthma, *Mod Asp Immunol* 1(5), 221-223, 2001.
3. Szema, A.M., Khedkar, M., Maloney, P.F., Takach, P.A., Nickels, M.S., Patel, H., Tso, A.Y., Lin, D.H., Clinical deterioration in pediatric asthma patients after September 11, 2001, *J All Clin Immunol*, 113: 420-426, 2004. (Selected as Editor's Choice article)
4. Concha, Lourdes, B., Chang, Cindy, C., Szema, Anthony M., Dattwyler, Raymond J., Carlson, Harold E., IgE antithyroid antibodies in patients with Hashimoto's Disease and chronic urticaria, *Allergy and Asthma Proceedings*, 25:293-6, 2004.
5. Szema, A.M., Hamidi S.A., Lyubsky, S., Dickman, K.G., Mathew, S., Abdel-Razek, T.T., Chen, J.J., Waschek, J.A., Said, S.I., Mice lacking the VIP gene show airway hyperresponsiveness and airway inflammation, partially reversible by VIP, *American Journal of Physiology. Lung Cellular and Molecular Physiology*, 2006.
6. Hamidi, S.A., Szema, A.M., Lyubsky, S., Dickman, K.G., Degene, A., Mathew, S.M., Waschek, J.A., Said, S.I., Clues to VIP Function from Knockout Mice, *Annals New York Academy of Sciences*, 1070: 5-9, 2006.
7. Said, S.I., Hamidi, S.A., Dickman, K.G., Szema, A.M., Lyubsky, S., Lin, R.Z., Jiang, Y.P., Chen, J.J., Waschek, J.A., Kort, S., "Moderate pulmonary arterial hypertension in male mice lacking the vasoactive intestinal peptide gene," *Circulation*, 115: 1260-8, 2007.

8. Szema, A., Paz, G., Merriam, L., Stellaccio, F., Jen, J., "Modern Preoperative and Intra-operative Management of Hereditary Angioedema, Allergy and Asthma Proceedings, Epub ahead of print, April 14, 2009.
9. Jill P. Karpel, MD, Jay I. Peters, MD, Anthony M. Szema, MD, Brad Smith, PhD, and Paula J. Anderson, MD, Differences in physicians' self-reported knowledge of, attitudes toward, and responses to the black box warning on long-acting B-agonists, *Annals of Allergy, Asthma and Immunology*, vol. 103, no. 4, pp. 304 – 310, 2009.
10. Szema, A., Savary K., Ying, B, Lai, K, Post 9/11: High Asthma Rates in Chinatown, NY, Allergy and Asthma Proceedings, Epub ahead of print Sept, 2009.
11. Szema, A., Clinical Pearls: A 16-year-old boy with angioedema, intussusception, and a liver transplant, Allergy and Asthma Proceedings, in press 2010.
12. Szema, A, Peters, M, Weissinger, K, Gagliano, C, Chen, J, New-onset Asthma Among Soldiers Serving in Iraq and Afghanistan, Allergy and Asthma Proceedings, in press 2010.

Online Refereed Publications:

1. Szema, A., Monte, D., Nasal Polyposis: What every chest physician needs to know, online at www.chestnet.org for the PCCU Update Pulmonary/Critical Care Continuing Medical Education sponsored by the American College of Chest Physicians, November 2003

Other publications including Letter to the Editor:

1. Szema, A.M., Lang, D.M., and Jaffee, J., Acute bronchospasm caused by sulfites, *Contemporary Internal Medicine*, 6:70-72, 1994.
2. Szema, A.M., and Promisloff, R.A., Unusual location of a pulmonary arteriovenous fistula associated with hemoptysis, *Hosp Physician*, 30:43, 46, 1994.
3. Szema, A.M., and Prager, K.M., Clinical practice exam, *Hosp Physician*, 31: 48-50, 61, 1995.
4. Szema, AM, Khedkar M, Maloney PF, Takach PA, Nickels MS, Patel H, Modugno F, Tso AY, Lin DH, Chen H, "Reply, 19 August 2004," *Journal of Allergy and Clinical Immunology* 114: 989-990, 2004.

Book

"Rogue Bee: True Story of Lt. Col. Darrin Curtis who risked his career trying to stop

burn pits in Iraq and Afghanistan," December 2009, Createspace publishing, on sale at amazon.com

Book Chapters:

1. Dutton, R.E., Feustel, P.J., Dutton, E.H., Szema, A.M., Shih, V.E., and Renzi, G.D., Depression of Excitatory Amino Acid Neurotransmitters in Brain During carbon Dioxide Narcosis, Anesthesia and Hypoxia: Aspartate and Glutamate: *Control of Breathing During Sleep and Anesthesia*, W.A. Karczerski, P. Grieb, Kulesza, J., and Bonsignore, Eds., New York, Plenum Press Co., 149-153, 1988.
2. Dutton, R.E., Feustel, P.J., Szema, A., Renzi, G.: "Aspartic acid neurotransmitter levels in the medulla during carbon dioxide narcosis," *4th Congress of the European Society of Pneumology*, Ed. By L. Allegra and G. Rizzato, p.A56, 1985.

Computer Software:

Consultant to Caferia Safari computer video game on food allergy 2010

Pocketcard:

Copyrighted laminated pocket card on Women's Health in Allergy, Asthma and Immunology, 2009

Manuscripts in Preparation:

Szema, A., Hamidi, S., Said, S., VIP Increases Helios and FOXP3 Expression in CD4+CD25+ Thymic T cells from VIP KO Mice (Plan to submit to Journal of Clinical Investigation)

Szema, A, Pan, K, Khamchiaev, T, Aronova, Y, Usova, T, "Redline standardized, allergy and asthma survey instrument yields high rates of allergies and asthma in children at an elementary school near the World Trade Center" (Plan to submit to Annals of Allergy, Asthma and Immunology")

Szema, A, Pan, K, Khamchiaev, T, Aronova, Y, Usova, T, "Impulse Oscillometry Detects Airways Impedance and Clinical Asthma Among Children Attending School Near the World Trade Center" (Plan to submit to Journal of Allergy and Clinical Immunology)

Presentations at National and International Meetings:

Title: Clinical outcomes with recombinant human C1 inhibitor in the repeat treatment of acute attacks of hereditary angioedema in North-American patients

Author(s): BL Zuraw, T Craig, RF Lockey, A Shad, F Bracho, C Kirkpatrick, MA

Park, JA Grant, D Suez, L Schwartz, M Riedl, RJ Levy, HH Li, L Edara, VR Bonagura, JA Bernstein, JN Moy, M Koleilat, J Offenberger, A Szema, MA Michelis, AC Engler, M Richeimer, SM Maseehur Rehman, ThC Marbury, O Alpan, SL Bahna, Scott A Fretzin, Aaron J Davis , James W Baker , G Sussman, W Yang, J Hebert B Ritchie, A. Relan

AAAAI2011 San Francisco

Szema, A., New-Onset Asthma Among Soldiers in Iraq, National Jewish Health Occupational and Environmental Medicine Grand Rounds at Post-Deployment Health Conference, Denver, CO, February 19, 2010

Szema, A, Are Burn Pits in Iraq and Afghanistan Making Our Soldiers Sick?, November 6, 2009, United States Senate Democratic Policy Committee Meeting, 628 Dirksen Senate Office Building
http://dpc.senate.gov/pdf/press/pr110309_hearing110609.pdf

Szema, A, Paz, G, Penicillin Desensitization for MRSA and VREF in the MICU, CHEST 2009, November 4, 2009, San Diego, CA

Szema, A, Hamidi, S, Razi, R, Qamar, N, Vasoactive Intestinal Peptide (VIP) Suppresses the inflammatory response to monocrotaline in rat lungs, The 9th International Symposium on VIP, PACAP, and Related Peptides, October 7, 2009, Kagoshima, Japan (Travel grant recipient; to be published in the Journal of Molecular Neuroscience)

Szema, A., Savary, K., Ying, B., Lai, K, High Rates of Asthma in Chinatown, NY, American Thoracic Society International Conference, San Diego, CA, May 19, 2009 (Highlighted Abstract at ATS Press Conference and cited on MEDSCAPE).

S Hamidi, A. Szema, M. Mirza, S. Said, Monocrotaline-Induced Pulmonary Vascular Remodeling and right Ventricular Hypertrophy: Prevention by VIP, American Thoracic Society Meeting, San Diego, CA, May 17, 2009.

S. Said, S. Hamidi, A. Szema, Transcription Factor NFAT Activation is Key to the Pathogenesis of Asthma and Pulmonary Arterial Hypertension, American Thoracic Society Meeting, San Diego, CA, May 17, 2009.

Said, S, Prabhakar, S, Hamidi, S Szema A, VIP is a Physiologic Inhibitor of NFAT Activation, American Thoracic Society Meeting, San Diego, CA, May 17, 2009.

zVaitheesvaran, B, Said, S, Szema, A, Kurland, IJ, VIP-/- Mice have whole-body insulin sensitivity despite a hyperinflammatory state, European Association for the Study of Diabetes (EASD), Dusseldorf, Germany, 2009.

Said, S.I., Hamidi, H., Prabhakar, S., Szema, A., Mirza, M., the Asthma-Like Phenotype in VIP Knockout Mice May be related to Activation of Transcription factor NFAT, the William A. Briscoe New York Lung Club, Weill Cornell Medical College, December 18, 2008.

Szema, A.M., Peters, M.C. Weissinger, K.M., Gagliano, C.G., Chen, J.J., Increased Rates of Asthma Among U.S. Military personnel After Deployment to the Persian Gulf. American Thoracic Society International Conference 2008, Toronto, CA

Szema, A.M., Hamidi, S.A., Lyubsky, S., Said, S, The VIP Gene Modulates Allergic Airway inflammation via Inhibition of NFAT Activation, 3rd International Symposium on Molecular Allergology, ISMA, Salzburg, Austria, April 18-21, 2008

Said, S.I., Hamidi, S.A., Szema, A.M., Lyubsky, S., Is there a Common Pathogenetic Mechanism for Pulmonary Vascular Remodeling and Inflammation in PAH? ATS 2008 International Conference, Toronto, Canada

Szema, Anthony, Peters, Michael, Weissinger, Kristen, Gagliano, Christi, Chen, J, Increased Allergic Rhinitis Rates Among U.S. Military Personnel After Deployment to the Persian Gulf, *The Journal of Allergy and Clinical Immunology* February 2008 (Vol. 121, Issue 2, Supplement 1, Page S230) AAAAI March 18, 2008, Philadelphia

S. David Smith, A. Szema, S.I. Said, Helene Benveniste, "Functional Cardiac Phenotyping of Vasoactive Intestinal Peptide (VIP) Deficient Mice by MR Microscopy," Society for Cardiac Magnetic Resonance (SCMR) 11th Annual Scientific Session, Jan 31-Feb 3, 2008, Hyatt Regency Century Plaza, Los Angeles, CA

Szema, A, Peters, M, Weissinger, K, Gagliano, C, Chen, J New-Onset Asthma in Soldiers Returning from Iraq, William A. Briscoe New York Lung Club at Cornell University, December 20, 2007

Hamidi, S.A., Abdel-Razek, T.T., Szema, A.M., Dickman, K.G., Said, S.I., "Pulmonary Arterial Hypertension in VIP^{-/-} Mice is Progressive and Reversible with VIP Treatment" at American Thoracic Society, San Francisco, 2007.

Dickman, K.G., Hamidi, S.A., Szema, A.M., Said, S.I., "Pulmonary Arterial Hypertension in VIP^{-/-} Mice: Clues to Pathogenetic Pathways from Gene Microarray Analysis," at American Thoracic Society, San Francisco, 2007.

Szema, A, 9/11Health Effects, United States Congress Subcommittee Meeting on 9/11 Health Effects, Field Hearing in Brooklyn, Brooklyn Borough Hall Courtroom, 209, Joralemon Street, Brooklyn, New York April 23, 2007.

Szema, A., Hamidi, S., Dickman, K., Abdel-Razek, T., Lyubsky, S., Waschek, J., Chen, J., Said, S.I., "VIP Knockout Mice Have Spontaneous Asthma, Reversible

by VIP" at Workshop on Neuropeptide VIP in the Etiology of Asthma, AAAAI 2007 Annual Meeting, San Diego, CA, February 27, 2007

Szema, A., Hamidi, S., Dickman, K., Abdel-Razek, T., Lyubsky, S., Waschek, J., Chen, J., Said, S.I., "Spontaneous Asthma-Like Airway Inflammation in Vasoactive Intestinal Peptide (VIP) Knockout Mice: Reversal by VIP Treatment, Keystone Symposium on Mast Cells, Basophils, and IgE, at Copper Mountain, Colorado, January 22, 2007.

Szema, A., Hamidi S., Abdel-razek, T., Jiang, Y., Lin, R., Lyubsky, S., Kort, S., Benveniste, H., Smith, S., Yu, M., Izrailtyan, I., Dickman, K., Peters, M., Ngan, W., Said, S.I., "Pulmonary Arterial Hypertension in VIP KO Mice: Hemodynamic, Anatomic, Echocardiographic and MRI Evidence" The William A. Briscoe New York Lung Club at Weill Medical College of Cornell University, NY, NY, December 14, 2006.

"Allergy For Dummies: Treatment of Allergic Conjunctivitis and Rhinitis in a Setting of Allergic Asthma," part of Panel Discussion on "What Every

Pulmonologist Should Know About the Eosinophil: Sneezing to Wheezing," CHEST 2006, American College of Chest Physicians

"Allergy Testing and Treatment," part of Interactive Session on "Interdisciplinary Treatment of Asthma: A Synergistic Approach for Allergists and Pulmonologists," CHEST 2006, American College of Chest Physicians (ACCP) and American Academy of Allergy, Asthma, and Immunology (AAAAI), Salt Lake City, Utah, October 23, 2006

Moderator, Workshop on Regulation of Allergic Inflammation by Hormonal Peptides, American Academy of Allergy, Asthma and Immunology 2006 Annual Meeting March 7, 2006, Miami, FL

Hamidi, S., Szema, A., Lyubsky, S., Dickman, Degene, A., Mathew, S., K., Waschek, J., Said, S.I., Clues to VIP Function From Knockout Mice, 7th International Symposium on VIP, PACAP and Related Peptides, September 11-14, 2005, Rouen, Normandy, France

"Mice Lacking the VIP Gene Show Airway Hyperresponsiveness and Airway Inflammation, Reversible by VIP," A. M. Szema, S.A. Hamidi, S. Lyubsky, K.G. Dickman, S. Mathew, T. Abdel-Razek, J.J. Chen, J.A. Waschek, S.I. Said, , December 15, 2005, The William A. Briscoe New York Lung Club at Weill Medical College of Cornell University/New-York Presbyterian Hospital

Szema, A., Hamidi, S.A., Dickman, K.G., Lyubsky, S., Santiago-Schwarz, F., Martin, C., Tran, T., Khedkar, M., Veksler-Offengenden, I., Said, S.I., Pathophysiologic and Pathologic Features of Asthma in VIP Knockout Mice, May, 2005 , The William A. Briscoe New York Lung Club at Weill Medical College of Cornell University,

"Asthma in New York City's Chinatown after 9/11," United States Environmental Protection Agency (EPA) 7th Meeting of the World Trade Center Expert Technical Review Panel, St. John's University, NY, NY, October 5, 2004,

Szema, A.M. Hamidi, S.A., Dickman, K.G., Lyubsky, S., Said, S., VIP knockout mice show asthma-like airway hyper-reactivity, and inflammatory response to immunologic challenge, European Respiratory Society Annual Congress, Glasgow Scotland, September 7, 2004

"Asthma in NYC's Chinatown After 9/11," New York University Pulmonary/Critical Care 9/11 Scientific Symposium September 12, 2004.

"VIP and Asthma", Albany Medical College Department of Microbiology and Immunology Grand Rounds, November 22, 2004.

"Features of Bronchial Asthma in VIP KO Mice: Airway Hyperreactivity and Inflammatory Response to Antigen Challenge," First Annual Respiratory Disease Young Investigators' Forum, Washington Terrace Hotel, Washington, DC, October 7-10, 2004.

Szema, A.M., Hamidi, S.A., Dickman, K.G., Mathew, S.M., Waschek, J.A, Said, S.I., Enhanced Airway Inflammatory Response to Anaphylaxis in Mice with targeted Deletion of the VIP Gene, *Am J Resp Crit Care Med*, 169: A80, 2004.

"Clinical Deterioration in Pediatric Patients Living Near the World Trade Center After September 11, 2004, " Columbia University College of Physicians & Surgeons, Children's Hospital of New York Clinical Adult and Pediatric Allergy and Immunology Alumni Fellows Symposium June 13, 2004.

"Lung Health Effects of the World Trade Center Exposure," Mount Sinai School of Medicine Immunology Division Grand Rounds June 11, 2004.

"Update on the Allergy/Immunology Fellowship at SUNY Stony Brook," NY Allergy Society Meeting Annual Fellowship Symposium at Mt. Sinai, May 3, 2004.

"Clinical Deterioration in Pediatric Patients Living Near the World Trade Center After September 11, 2004," Duke University School of Medicine, Pulmonary/Critical Care Medicine Grand Rounds, April 27-28, 2004.

Expert testimony given at New York City Council Chambers, City Hall, NYC, NY for the "World Trade Center and Air Quality Meeting" sponsored by the NY City Council Health Committee and Urban Redevelopment Committee, March 29, 2004.

Patel, H., Szema, A., Desensitization to Cyclosporine, AAAAI Denver, 2003.

"VIP and Asthma" at CHEST 2003, October 25, 2003, Orlando, FLA.

"Clinical Parameters of Chinese-American Asthma Patients Living Near ground Zero Before and After 9/11/01," and "NIH Asthma Guidelines," Flushing Hospital Medical Center Grand Rounds February 11, 2003.

"Clinical Deterioration in Children with Asthma Living Near the World Trade Center after September 11, 2001," Keynote lecture at Occupational and Environmental Health Network Open Meeting, at CHEST 2003, Orlando, FL, 69th Meeting of the American College of Chest Physicians, October 29, 2003.

Szema, A.M., Dickman, K.G., Mathew, S., Said, S.I., Activation of NF- κ B in Alveolar Epithelial Cells By TNF- α is Inhibited by Vasoactive Intestinal Peptide (VIP): Analysis by Laser Confocal Microscopy, oral presentation at American Thoracic Society International Conference, Atlanta, May 12-22, 2002.

"Severe Asthma," San Diego, CHEST 2002.

"Airway Zebras," San Diego CHEST 2002.

"Basic Immunology and Relevance to Your Clinical Practice," San Francisco, CHEST 2000.

Moderator, "Alternative Medicine for Asthma," San Francisco, CHEST 2000.

Szema, A.M., Dunkin, J.M., Previti, M.L., Seinost, G., Tausch, V.S., Strugatz, L., Pilot Study using Single Stranded Conformational Polymorphisms (SSCP) of Leukocyte DNA Demonstrating Correlations Between SSCP banding Patterns and Beta-2 Adrenergic Polymorphisms, *J Allergy Clin Immunol*, vol 106(1), part 2, S34, Jan 2000.

Fiaz, M. Szema, A., Golightly, M., Ren, C.L., Pilot Study of Granulocyte Activation Markers in Churg-Strauss Syndrome (CSS) and Asthma, *J Allergy Clin Immunol*, vol 106(1), part 2, S297, Jan 2000.

"CD40 Ligand and Asthma," AAAAI, San Diego, 1999.

"Basic Immunology and Relevance to Your Clinical Practice," CHEST, Chicago, 1999

"Review of CD40 Ligand in Human Disease," NIH NIAID Grand Rounds, 1999.

"CD40 Ligand and Upper Respiratory tract Inflammation," 1st World Congress of Otolaryngologic Allergy, Athens, Greece, 1998.

"CD40 Ligand," Texas Tech University School of Medicine Odessa Campus, 1998.

"Pulmonary/Critical Care Medicine Review for the ABIM," Texas Tech University Odessa Campus, 1998.

"CD40 Ligand and Airway Inflammation." presentation at William Briscoe New York Lung Club, Cornell University Medical College, 1997, 1998, 1999.

Szema, A., Dickman, K., Thomas, S., Said, S., Expression of CD40 on Human Alveolar-like epithelial cells (A549) and Human Airway Smooth Muscle Cells: Upregulation by γ -Interferon, *Am J Resp Crit Care Med*, 159:A100, (ATS San Diego) April 23-28, 1999.

Ghamande, S., Szema, A., Anaphylactic Reaction to Valcyclovir, Downstate New York Chapter of the American College of Physicians, June 1998

Yellin, M.J., Szema, A.M., Sampson, J., Rodriguez, H., DiMango, E., and Szabolcs, M., Analysis of CD40 Expression in the Upper and Lower Respiratory Tract, *J Allergy Clin Immunol*, 99:S317, 1997. (Presented at FASEB 1997 Conjoint meeting with AAAAI/CIS)

Szema, Anthony M., Promisloff, Robert, A., Lenchner, Gregory S., "Two Cases of Pulmonary Arteriovenous Fistulae: An Unusual Location of a Pulmonary Arteriovenous Fistula Associated with Hemoptysis, and A Case of Rendu-Osler-Weber disease Treated With Embolization," abstract presented at the American College of Physicians Pennsylvania Scientific Meeting, October 21, 1994.

Feustel, P.J., Phibbs, S.D., Szema, A., Dutton, R.E. "Ventrolateral medullary surface blood flow and hypoxic ventilatory depression," *Sixth International Hypoxia Symposium*, 1989.

Dutton, R.E., Feustel, P.J., Szema, A., Renzi, G., and Shih, V.: "Regional Differences in amino acid neurotransmitters in the medulla during carbon dioxide narcosis," *Physiologist* 28(4)339, 1985.

Presentations at Regional Meetings:

"Increased Asthma & Allergic Rhinitis Rates Among U.S. Military Personnel After Deployment to the Persian Gulf: Is this Soil Dust flux?"
Department of Geosciences Research Seminar (Medical Geosciences)
Stony Brook University, October 4, 2007

Asthma and the World Trade Center: Role of Impedance Plethysmography and Spirometry, Department of Respiratory Care Program Faculty Conference, SUNY Stony Brook, School of Health Technology and Management, February 26, 2009.

"Anaphylaxis: Interactive Powerpol Lecture on When to Skin Test" and "Anaphylaxis: Simulated Patient" Lectures at Patient Simulation Center, SUNY Stony Brook School of Medicine, for medicine housestaff and medical students, 2nd Floor, August 30, 2007.

"Clinical Pharmacology of Allergy Medications," SUNY Stony Brook 4th year Medical Student Course, April 16, 2007.

Rheumatology Fellows Conference: "Churg Strauss Vasculitis vs. ABPA," October 20, 2006

"Celiac Disease and Food Allergies," 32nd Annual Family Medicine, SUNY Stony Brook, June 2, 2006

"Biological Modifiers and Inflammatory Bowel Disease," Division of Gastroenterology Grand Rounds, SUNY Stony Brook, April 19, 2006

"Lung Health Effects from World Trade Center Exposure," Department of Preventive Medicine Continuing Medical Education Grand Rounds, SUNY Stony Brook, January 11, 2005

"Antihistamines in the Elderly," Long Island Jewish Hospital Parker Geriatric Center Department of Medicine Grand Rounds, May 30, 2000

"Status Asthmaticus," Emergency Medicine Department, SUNY Stony Brook, September 6, 2000

"Nasal Polyposis," Winthrop University Hospital Grand Rounds in Allergy/Immunology, September 26, 2000

"Asthma, Occupational Asthma, RADS, and Byssinosis," Department of Medicine Grand Rounds at Flushing Hospital medical Center, December 7, 2000

"Near Drowning," Southampton Hospital, 1999

Consulting:

Rockefeller Philanthropy Associates meeting with the American Red Cross Post-9/11 Recovery Grants Program (*pro bono*, October 2004)

Teaching Activities:

SUNY Stony Brook Gastroenterology Division Conference: "Eosinophilic Esophagitis is not Celiac Spure, nor Food Allergy" September 16, 2009

Adult and Peditric Allergy, Asthma and Immunology: What Every Primary Care Physician Needs to Know, SUNY Stony Brook Department of Continuing Medical Education, Freedom of the Seas Cruise Ship, Royal Caribbean Cruise Line, February 16-22, 2009 (lectured for 18 CME hours in Labadee, Haiti, Ochos Rios, Jamaica, Georgetown, Grand Cayman, Cozumel, Mexico)

Daily teaching for nine allergy fellows 2000-5; 100% pass rate on American Board of Allergy and Immunology exam on first try for all nine.

Academic Trainees:

John Byrne, M.D. 2000-2, private practice, Port Jefferson, N.Y.
Cindy Chang, M.D, 2000-2, private practice, Suffern, N.Y.
Michael Nickels, M.D., Ph.D., 2001-3, Lebanon VA Hospital affiliate of Milton Hershey School of Medicine, Penn State University
Harshit Patel, M.D., 2001-3, was voluntary faculty at VAMC Northport, N.Y., and now is in private practice Long Island
Patricia Takach, M.D., 2002-4, full-time faculty, Hospital of the University of Pennsylvania, University of Pennsylvania School of Medicine
Patrick Maloney, M.D., 2002-4, Crystal Run Health Care, Middletown, N.Y.
Irena Veksler-Offengenden, M.D., 2003-5, private practice Fairfield, CT
Thao Tran, M.D., 2003-5, Instructor in Medicine, University of Washington School of Medicine, Seattle (National Fellow-In-Training Representative to the American College of Allergy, Asthma, and Immunology)
Meera Khedkar, M.D., 2003-5, New Jersey

Clinical Research Fellow:

Clinical Research Fellow Meera Khedkar, M.D., 2002-3

Graduate Student:

Kristen Weissinger, summer assistant, Ph.D. student, University of Rhode Island
Master's degree adviser for graduate student Susan Thomas, C. W. Post University, M.S. in Biology with Immunology Concentration, 1998

Medical Students:

Faculty research adviser to Wei Chen and Jackie Lee, MSIV 2007-8; Khalil Savary, Lorena LoVerde, Dan Galka, MS1, Benjamin Ying, Kevin Lai

M.D. With Recognition in Research:

Rabail Razi, Niha Qamar, Yi-Feng Chen, 2009-present

Benjamin Ying, MS1, "Distance related correlation between clinical respiratory deterioration and residential proximity to the World Trade Center following September 11, 2001"

Khalil Savary, MS1, "Spirometry and Residential Distance from Ground Zero in a Pediatric Cohort"

Faculty Adviser:

Faculty adviser to Michael Peters, MSIV, SUNY Stony Brook (intern, U. Colorado, Denver)

Faculty adviser for Karen-Chang Chen and Roger Yang, Chinese American Medical Society Medical Student Summer Research Scholarships 2000

Undergraduate Student:

Faculty adviser for Ramneek Rana, Howard Hughes Undergraduate Research Fellowship 1999-2000 (accepted to George Washington University Medical School 2006)

Summer college students 2006 (Emily Rosa, Penn State University Health Care Administration Department; Jonathan Marose, SUNY Stony Brook Cytotechnology Program)

Kun Pan pharmacology pre-med student 2009-present, Edward Forsyth, A.B., postbaccalaureate pre-med student, Tyler Drobbin high school student

SUNY Teaching Activities

Career Choices in Allergy/Immunology and Pulmonary/Critical Care
March 24, 2010, Galleria. 3rd Floor, SUNY Stony Brook Health Sciences Center

Lab Methods in Allergy/Immunology; Penicillin Desensitization to avert MRSA and VREF in the MICU, 4th year medical students elective, November 16, 2009

GI Grand Rounds on Eosinophilic Esophagitis, Celiac Sprue and Food Allergy, Summer, 2009

Preceptor for MCS-2 (Medicine in Contemporary Society for 2nd Year Medical Students), March 18, 2009 at Islandia World Trade Center Monitoring Program

Adult & Pediatric Allergy, Clinical Immunology & Pulmonary Disease: What Every Primary Care Physician Needs to Know, February 15-22, 2009 (SUNY Stony Brook Department of Continuing Medical Education and Cruise Planners on Royal Caribbean Cruise Line)

Rheumatology Conference: Vasculitis, October 8, 2008

Food Allergy and Anaphylaxis, Health Day at Eugene Auer Elementary School, Lake Grove, NY, March 29, 2007

"B Cell Development and Activation, Antibody Class Switching and Secretion"
Rheumatology Fellows Conference, March 5, 2007

Primary Immunodeficiency, Infectious Disease Division Conference, February 22, 2007

Rhinitis for USMLE Part I, Second-year pulmonary systems course for medical students, SUNY Stony Brook, December 18, 2007

Allergy Testing: When and How? Laboratory Medicine Pathology Course for 4th year Medical Students, November 1, 2007

Images in Immunodeficiency & Bedside Rounds on Common Variable Immunodeficiency Patient, Laboratory Medicine Course for 4th Year Medical Students, November 1, 2007

Allergy Testing and Treatment, Laboratory Medicine Pathology Course for 4th year medical students, February 9, 2007

Rhinitis, Pulmonary Systems Course, December 15, 2006

Tuesday morning weekly VA allergy clinic with pulmonary fellows and 3rd year medical student department if medicine outpatient rotation experience 2005-

Faculty adviser for Annamaria Iacovou (2nd year medical student enrolled in the 8-year B.A./M.D. honors program in medicine) 2006

"Lung Transplantation and MHC," Molecular Medicine Course, SUNY Stony Brook, August 22, 2005

Winthrop University Hospital Allergy/Immunology/Rheumatology Grand Rounds on "HIV", 2/6/09

SUNY Teaching Activities (continued):

"Allergy for Dummies," Pulmonary Critical Care Fellows Conference, SUNY Stony Brook, August 17, 2005

"Cytokines: A Primer for Infectious Disease Fellows," Division of Infectious Diseases Grand Rounds, SUNY Stony Brook, February 3, 2005

Allergy elective attending for Chitra Radhakrishnan, 4th yr med student, January 2-15, 2002

Morning report and noon conferences for department of medicine housestaff August 2002

Allergy elective with Won Kim, M.D., medicine-pediatrics resident, July 1-14, 2002

Allergy elective with Michael Rivera, M.D. medicine-pediatrics resident, June 17-28, 2002

Faculty adviser for 4th yr SUNY medical students Mohan Sathyamoorthy and Helen Haliasos 2001

United States Government Accountability Office (GAO) Testimony before the Subcommittee on National Security, Emerging Threats, and International Relations, Committee on Governmental Reform, House of Representatives, *September 11: Health Effects in the Aftermath of the World Trade Center*, Wednesday, September 8, 2004

"Chinatown: Rise in Asthma Clinic Visits," *New York Times*, Tuesday, March 9, 2004, Metro Briefing Section.

"Asthma, Ground Zero linked," *Newsday*, Tuesday, March 9, 2004, p. A27.

"Breathtaking post-9/11 asthma jump," *New York Post*, Tuesday, March 9, 2004, p. 28.

"A False Sense of Security," *Newsweek* Online, March 13, 2004

"Children's asthma study suggests possible 9/11 effects." *Downtown Express*, volume 16, March 12-18, 2004.

"Something to Sneeze at: Allergy's Price Tag," Article by Curtis Taylor, *Newsday*, September 7, 2006.

"Lots of achoos are due: high pollen spring" by C.J. Sullivan, Georgett Roberts, Lukas I. Alpert, *New York Post*, p.8., March 26, 2007

<http://www.washingtonpost.com/wp-dyn/content/article/2010/08/05/AR2010080506807.html>

<http://www.nytimes.com/2010/08/07/us/07burn.html>

<http://www.fox2now.com/videobeta/ddfb33ee-4ff2-491b-8869-857cea533324/News/The-Fox-Files-Exposes-Diagnosis-Failure>

<http://www.northshoreoflongisland.com/1editorialbody.lasso?-response=%2F1editorialbody.lasso&-token.folder=2010-12-16&-token.story=86408.112114&-token.subpub=&-nothing>

Ohio Newspaper Interview

"Can cats and dogs be allergic to humans?" June 11, 2000 Stupid Question™ by John Ruch (Stupidquestion.net)

Internet Coverage of Research

"Iraq War Veterans Face Allergy Risks"

www.cbsnews.com/stories/2008/03/20/health/webmd/main3953230.shtml

<http://www.webmd.com/allergies/news/20080319/iraq-war-veterans-face-allergy-risks>

MEDSCAPE PULMONARY May 2009 World Trade Center Asthma (Kristina Rebelo)

<http://www.cnn.com/2009/POLITICS/12/18/military.burn.pits/index.html?eref=onion>

['There's No Such Thing as the EPA Here' - NYTimes.com](http://www.nytimes.com/gwire/2009/11/11/11greenwire-theres-no-such-thing-as-the-epa-here-94684.html?pagewanted=2)

<http://www.nytimes.com/gwire/2009/11/11/11greenwire-theres-no-such-thing-as-the-epa-here-94684.html?pagewanted=2>

[Families, DOD spar over dangers of burn pit smoke | Stars and Stripes](http://www.stripes.com/article.asp?section=104&article=65885)

[http://www.stripes.com/article.asp?section=104&article=65885 - 41k - Cached](http://www.stripes.com/article.asp?section=104&article=65885)

[Military's stance on burn pits assailed - Air Force News, news ...](http://www.airforcetimes.com/news/2009/11/military_burnpits_curtis_110609w/)

http://www.airforcetimes.com/news/2009/11/military_burnpits_curtis_110609w/

Times Beacon Record, Plan would aid burn pit victims (February 11, 2010)

Military base hazard doubles troops' risk for asthma, doc
says http://www.northshoreoflongisland.com/Articles-i-2010-02-11-82978.112114-sub_Plan_would_aid_burn_pit_victims.html

<http://articles.latimes.com/2010/feb/18/nation/la-na-burn-pits18-2010feb18>

<http://www.stripes.com/news/middle-east/iraq/study-respiratory-illnesses-higher-near-infamous-balad-burn-pit-1.109538>

"Army Wants to Hide Burn Pit Exposure," Kelly Kennedy, **Army Times**, August 4, 2010

<http://www.acaai.org/Pages/DeploymenttoIraqLinkedtoHigherAsthmaRisk.aspx>

Glowatz, Elana, **The Times Village Herald**, "Local Doctor, Researcher Aid Soldiers Nationwide," December 16, 2010 Page A5

Glowatz, Elana, "Something in the Air Harmng Soldiers: Local doctor and his team have a huch about what the hazard is. Now, to prove it. **The Times of Northport and East Northport**, December 16, 2010 A3.

Community Service

"No Peanuts For You: Stay Away from the Satay" for the Division of Pediatric Gastroenterology, SUNY Stony Brook at the Long Island State Vets Home, March 24, 2010

"Food Allergy: Interactive Hands-On Lecture for Health Fair Day-" Eugene Auer Memorial Elementary School, Lake Grove, NY, Educated 3rd Graders about Epi-pen use, March 27, 2008 and February 25, 2010

Rensselaer Polytechnic Institute Alumni Recruiter and Admissions Interviewer at Connetquot (Bohemia) and Sayville High School College Fairs, October 22, 2008

Television Interview

Dan Rather, Dan Rather Reports on Burn Pits in Iraq and Afghanistan, HDNet, March 23, 2010

Radio Interview

WBAI 99.5 FM, New York City (WBAI.org) Pacifica Radio with Dr. Majid Ali and Anthony dePalma (New York Times Latin America Bureau Chief); Long-term Health Effects from the World Trade Center Disaster, December 21, 2008

WBAI 99.5 09/14/09 High Asthma rates in New York City's Chinatown

Commentary

MEDSCAPE PULMONARY May 2009 Influenza and Asthma (Kristina Rebelo) Health.com (Karen Pallarito) <http://news.health.com/2009/08/04/dust-exposure-after-911-asthma/>

Newsday August 5, 2009 (Delthia Ricks) Asthma and WTC

Local Media

"Itchy? Sneezy? Wheezy? Runny?" Szema, A., *Generations Magazine* (Distributed free to all CVS pharmacies in Nausau and Suffolk) Summer 2010.



**RYAN SCHMITT
PRESIDENT**

Ryan Schmitt serves as president of Petticoat-Schmitt Civil Contractors, Inc., a civil construction company performing underground utility, grading and roadway construction for public and private entities in Northeast Florida and Southeast Georgia. Schmitt has more than 20 years experience in the construction industry and is the 2011 chairman of the National Utility Contractors Association (NUCA), the largest national trade association representing the underground utility and excavation industry.

Prior to founding Petticoat-Schmitt Civil Contractors, Inc., Schmitt held positions of estimator, project manager, and vice-president and general manager while working for a site development contractor in northeast Florida. Schmitt's background includes the successful management of construction operations including strategic planning, organizational design, process development and implementation, recruiting and staffing, safety design, project management and managerial accounting.

Along with his 2011 NUCA Chairmanship, Schmitt is a past president of NUCA of North Florida and the Underground Utility Contractors of Florida. He is also a board member of Seamark Ranch, a privately funded home for children.

Schmitt holds bachelor's degrees from the University of Florida and the University of North Florida. In addition, he earned a master's degree in business administration from the University of North Florida and is licensed as a State Certified General Contractor and a Fire Protection Contractor.

For more information about Schmitt and Petticoat-Schmitt Civil Contractors, Inc., call (904) 751-0888.

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Richard H. Opper

Richard Opper, 52, was appointed as Director of the Montana Department of Environmental Quality in 2005 by Governor Brian Schweitzer.

He had served the previous 14 years as the Executive Director of the Missouri River Basin Association, a commission comprised of governor-appointed representatives of eight states and the Indian tribes in the Missouri River Basin. Prior to that, he worked as the Executive Director for the Missoula-based Northern Lights Institute. He has also worked as a resource consultant for New Mexico-based Indian tribes, a consultant for a proposed ethanol fuel plant in Hardin, Montana, and he served as Executive Vice President for the Albuquerque-based Center for Holistic Resource Management.

Opper received his bachelor's degree in agricultural sciences from Oklahoma State University and his master's degree in soil science in 1979 from Montana State University. His research emphasis was in mined land reclamation. He is married to Sally Mueller; they have one son, Isaac.

In 2002, his mystery novel "Elemental Threat," set on Montana's Fort Peck Reservation, was published by Oak Tree Publishing.

He can be reached at [REDACTED] or at ropper@mt.gov

Biographical Sketch

Dr. Craig M. Schiffries is Director for Geoscience Policy at the Geological Society of America, a scientific society with over 23,000 members from academia, government, and industry in more than 90 countries. He also serves as Co-Chair of the USGS Coalition, an alliance of more than 70 scientific organizations united by a commitment to the continued vitality of the U.S. Geological Survey. He is a Commissioner on the U.S. National Commission for UNESCO. Dr. Schiffries is Chairman of the Marshall Scholarship selection committee in Washington, D.C.

Dr. Schiffries formerly served as Director of Science Policy at the National Council for Science and the Environment. He was Chairman of the 5th National Conference on Science, Policy and the Environment: *Forecasting Environmental Changes*. He was also Chairman of the 4th National Conference on Science, Policy and the Environment: *Water for a Sustainable and Secure Future*.

Dr. Schiffries previously served as Director of the Board on Earth Sciences and Resources of the U.S. National Academy of Sciences/National Research Council. His group published 17 books, including *Hardrock Mining on Federal Lands*, *Satellite Gravity and the Geosphere*, *Research Required to Support Comprehensive Nuclear Test Ban Treaty Monitoring*, and *Rediscovering Geography*. He also served as a visiting faculty member at Yale University; Director of Government Affairs at the American Geological Institute; a consultant with Monitor Company; and a Congressional Science Fellow on the staff of the United States Senate Judiciary Committee.

In addition to his technical publications in petrology, geochemistry, and economic geology, Dr. Schiffries has written on science policy and testified before Congress, the President's Council of Advisors on Science and Technology, the EPA Science Advisory Board, and other advisory bodies.

Dr. Schiffries simultaneously earned his B.S. and M.S. degrees from Yale University, where he was elected to *Phi Beta Kappa*, graduated *summa cum laude*, and double-majored in Geology and Geophysics and in Economics and Political Science. He was a Marshall Scholar at Oxford University, where he earned an honors B.A. in Philosophy, Politics, and Economics. He received a Ph.D. in Geology from Harvard University, where he held a fellowship from the Hertz Foundation.

PATRICK J. NATALE, P.E., CAE

CAREER HISTORY

American Society of Civil Engineers (ASCE)
Reston, VA

2002 – Present

Executive Director and Secretary

- Chief Staff Officer and Corporate Secretary
- Responsible for hiring, organizing, managing and leading the ASCE staff
- Advise and inform President and Board of Direction of programs, plans and policies of ASCE.
- Identify and track events which impact ASCE.
- Provide oversight and motivation producing significant revenue growth in publications, continuing education and other programs for ASCE.
- Advisor to industry, academia, government and professional societies.
- Direct continuous development of ASCE's Strategic Plan.
- Ensure timely implementation of strategic plan, annual operating plans and objectives approved by the Board.
- Actively engaged in global outreach for ASCE.
- ASCE's representative at meetings and forums to promote the Society.
- Spokesperson for ASCE and its world-wide members.
- Maintain good relations and communications with government entities, the public, and Society membership.
- Oversee recruiting, training and development of 260 staff members.
- Encourage staff and active volunteers in the development of products and services.
- Review and supervise development of annual budget (\$54 million), long range financial objectives and expenditure of Society funds.
- Create and maintain a "member service" culture.
- Leader in the creation of a "diversity" culture for ASCE and the profession by enhancing relationships with Society of Women Engineers and National Society of Black Engineers.
- Leader for the Extraordinary Women in Engineering Program.
- Leader in the National Academy of Engineering's initiative for the Public Understanding of Engineering.
- Actively engaged in creating outreach programs to promote engineering to the public, including providing significant support for Engineers without Borders.

National Society of Professional Engineers (NSPE)
Alexandria, VA

1999-2002

Executive Director and Secretary

- Chief Executive Officer and Secretary under authority of Board of Directors.
- National public relations campaign spokesperson.
- Maintained accurate records of organization proceedings, official papers and records.
- Coordinated and supported Board and Executive Committee meetings.
- Prepared annual report to the Board outlining responsibilities of Executive Director.
- Promoted the image of NSPE and the engineering profession.
- Led a program evaluation process to determine and reevaluate member value and benefits.
- Represented NSPE before Congress and maintained liaison with appropriate federal agencies.
- Liaison with engineering and professional societies, national and international professional and trade organizations with interests beneficial to the engineering profession.
- Liaison between National Society and state societies.

- Encouraged development of products and services, member benefits and training sessions.
- Established and maintained annual budget.

**Public Service Electric and Gas Company (PSE&G)
Newark, NJ**

1970-1998

Director – Systems Development, Retail Choice

1997-1998

- Led corporate effort to develop the business process and information systems required for deregulation in the New Jersey marketplace.
- Led negotiations with working groups for the Board of Public Utility Commission and other stakeholders.

General Manager – Strategic Governmental Accounts

1995-1997

- Led corporate initiative to ensure customer satisfaction.
- Responsible for development and implementation of customer retention and marketing strategy,
- Major accomplishments: prevented loss of business from municipalization in company territory.

General Manager – Inquiry and Accounting

1994-1995

- Led, directed and coordinated PSE&G’s customer service activity in the call center and billing functions (405 employees) focusing on customer service.
- Responsible for approving operating and capital budgets, and manpower planning.
- Created a new culture to prepare the organization to move from regulated business to a competitive environment.
- Developed guarantees of satisfaction to enhance customer service.
- Major accomplishments: reduced call-waiting time, started culture for new competitive environment, initiated concept of “Center of Excellence” to improve call quality.

General Manager – Marketing Services

1991-1994

- Led and directed field marketing organization (190 employees).
- Responsible for promotion of all PSE&G’s products and services.
- Developed corporate marketing policies, performance measures, goal establishment and evaluation of results.
- Developed strategic plan to transition field marketing organization from regulated to competitive environment.
- Established programs to assist customers in exporting products and to encourage reverse investment by foreign firms in New Jersey.
- Led Quality Teams that focused on improving new service delivery.
- Major accomplishments: initiated corporate Service Guarantee Program; created 360 degree manager Feedback Program, started PSE&G’s National Accounts and Industrial Specialization Program to markets by Standards Industrial Codes (SIC).
- Participated in an economic development trade mission to Germany to promote imports/ exports for New Jersey.

Mid Level Management Positions

1980-1990

Engineer Positions

1970-1980

EDUCATION, LICENSES, PROFESSIONAL

Education:

MS, Engineering Management, New Jersey Institute of Technology – 1975
 BS, Civil Engineering, Newark College of Engineering – 1970
 Executive Management Program, Yale University - 1991

Licenses, Certifications and Honors:

Professional Engineering License, New Jersey, 1975.
Certified Association Executive, 2002
Tau Beta Pi – National Engineering Honor Fraternity
Chi Epsilon – National Civil Engineering Honor Fraternity
Engineering Societies Kenneth Andrew Roe Award, 2005
National Society of Professional Engineers 1996 Distinguished Service Award, 1996

Membership:

American Society of Civil Engineers
American Society of Mechanical Engineers
Institute of Electrical and Electronics Engineers.
American Society of Association Executives.
Council of Engineering and Scientific Society Executives, President 2008 - 09

Professional Affiliations:

Member of Board of Trustees of the United Engineering Foundation
Member, US Department of Commerce Industry Trade Advisory Committee for Services, 2004 – present.
Member of the National Engineers Week Foundation Board
Member of the US Chamber of Commerce Committee of 100
Member of the US Chamber of Commerce Committee, American for Transportation Mobility - Management Committee
National Academy of Engineering's Public Understanding of Engineering Committee

Shelley Roberts is the Chief Executive Officer (CEO) of Idaho Rural Water Association (IRWA). Shelley joined IRWA in 2010 as CEO after having worked with the organization on a consulting basis on financial and business management issues since 2006. Shelley has worked with small and medium size business on financial and business management issues since 1993. She earned her Bachelor of Business Administration in Accounting in 1992 and her Masters of Business Administration in 2000 from Boise State University. Shelley is a Certified Public Accountant licensed in the State of Idaho since 1994.

Abbreviated Bio of Conrad Anker:

In May of 1999, as a member of the Mallory & Irvine Research Expedition, Conrad discovered the body of George Mallory, the preeminent Everest explorer of the 1920s. The disappearance of Mallory and Sandy Irvine on their summit bid in June 1924 is one of climbing's great mysteries, and Conrad's discovery and analysis of the find has shed new light on the pioneering climbs of the early expeditions. Conrad graduated from the University of Utah and lives in Bozeman, Montana, with his wife and three sons. He is a board member of the Conservation Alliance, the Alex Lowe Charitable Foundation and the Montana State University Leadership Institute. Conrad has worked with The North Face for 27 years and focuses his efforts on outdoor participation, youth engagement and corporate sustainability. Conrad has been recognized for his work and climbing ability by the American Alpine Club with the Underhill Award (2002) and the David Brower Conservation Award (2010). In 2008 the University of Utah bestowed Conrad with the Distinguished Alumni Award.

Athlete's Bio of Conrad Anker:

Conrad Anker's specialty, simply put, is climbing the most technically challenging terrain in the world. This quest has taken him from the mountains of Alaska and Antarctica to the big walls of Patagonia and Baffin Island and the massive peaks of the Himalaya. Conrad's Antarctic experience spans a decade, with first ascents in three regions. In 1997, Conrad teamed up with Alex Lowe and Jon Krakauer to climb Rakekniven, a 2,500-foot wall in Queen Maud Land. In the Sentinel Range, Conrad climbed the Vinson Massif via three new routes. His climbs in Pakistan's Karakoram include the west face of Latok II along the "Tsering Mosong" route, which begins at the same height as the summit of Denali, climbs 26 pitches on a vertical cliff and then tops out at 23,342 feet. In 1998, Conrad and Peter Croft made a first ascent of Spansar Peak via a 7,000-foot ridge in one day. In Patagonia, he climbed the three towers of the Cerro Torre Massif. On Yosemite's El Capitan he joined Steve Gerberding and Kevin Thaw to establish "Continental Drift," a steep nail-up on the right side. And in Zion National Park, Mugs Stump and Conrad first climbed the intimidating "Streaked Wall."

In May of 1999, as a member of the Mallory & Irvine Research Expedition, Conrad discovered the body of George Mallory, the preeminent Everest explorer of the 1920s. The disappearance of Mallory and Sandy Irvine on their summit bid in June 1924 is one of climbing's great mysteries, and Conrad's discovery and analysis of the find has shed new light on the pioneering climbs of the early expeditions. Conrad graduated from the University of Utah and lives in Bozeman, Montana, with his wife and three sons. He is a board member of the Conservation Alliance, the American Alpine Club and the Alex Lowe Charitable Foundation. He stays in shape by climbing, running and skiing.

Jim Blomquist

Jim Blomquist is an environmental consultant specializing in working with non-profit environmental groups to further grassroots campaigns to protect our communities and wild places.

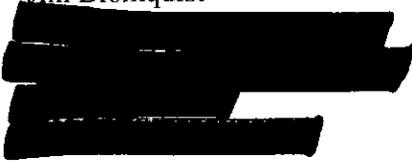
In twenty-five years with the Sierra Club, he held top regional staff positions in the Pacific Northwest and Southern California and was the Club's National Forest lobbyist from 1987-92. During his time with the Sierra Club he was integrally involved in many legislative efforts including national forest wilderness designation in Idaho, Oregon, Washington, Illinois, Alabama, Nevada and California; designation of the Columbia River Gorge National Scenic Area and Mt. St. Helens National Volcanic Monument; passage of the Oregon Omnibus Wild and Scenic Rivers Act and efforts to protect our ancient forests.

Leaving the Sierra Club in 2001, he began work as a consultant. Since that time he has worked for non-profit conservation groups including The Wilderness Society, Save Our Wild Salmon, Friends of the River, Sierra Club, The Wild Salmon Center, Campaign for America's Wilderness and Idaho Conservation League.

He is on the board and currently is the Chairman of The Wilderness Land Trust. He formerly served as a board member and as the President of the Smith River Alliance and as a member of the Board of the California Wild Heritage Campaign.

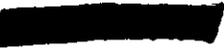
He makes his home in the Eagle Rock neighborhood of Los Angeles with his wife, Rose Kopolczynski.

Jim Blomquist



Alan Rowsome

Director of Conservation Funding, The Wilderness Society
Washington D.C.

Office 

As Director of Conservation Funding, Alan leads TWS' advocacy on the Federal budget and appropriations process to increase conservation funding for through programs such as the Land and Water Conservation Fund (LWCF) and the Forest Legacy Program. He is a co-chair of the Green Group's budget and appropriations committee and editor/publisher of the Green Budget, an annual collaborative report by 34 national environmental organizations of conservation funding recommendations. Alan also co-chairs the Land and Water Conservation Fund Coalition, a group of more than 100 organizations and businesses who work to provide robust and consistent funding for LWCF each year.

Alan holds a Master's Degree in Political Management from George Washington University and his Bachelor's Degree from Miami University in Ohio. Before coming to The Wilderness Society, Alan worked at Squier Knapp Dunn, a political consulting firm, and the U.S. Customs Service.

Tom Kiernan joined NPCA as president in January 1998 for what has become his dream job: Heading up an independent organization that defends and protects America's national parks.

Previously, Tom served as president of the Audubon Society of New Hampshire. He was a senior-level official in the Environmental Protection Agency's Office of Air and Radiation under George H.W. Bush, where he won the Gold Medal for his role in achieving consensus with businesses and environmentalists on a \$450-million pollution-control project at Grand Canyon National Park. He has also held positions with the Oregon Department of Environmental Quality and Arthur Andersen & Company.

Under his leadership, NPCA has launched several programs targeted to making specific, lasting improvements in the National Park System. These include the Center for Park Management, which provides parks with the tools needed to make efficient and effective business decisions, and the Center for State of the Parks, which has developed and applied scientific methodology to the assessment of the health of the natural and cultural resources within the national parks.

Tom grew up in Virginia, kayaking in Mather Gorge, which is part of the C&O Canal National Historical Park. He was co-founder of the Rocky Mountain Outdoor Center in Colorado, and has tested the white waters throughout the United States and Africa, achieving top-ten status in the U.S. in slalom kayaking. He has kayaked through Canyonlands and Grand Canyon national parks, and Dinosaur National Monument, and climbed the Grand Tetons.

Tom holds an M.B.A. from Stanford and a B.A. from Dartmouth College.

Brief Biographical Statement
Thomas J. Cassidy, Jr. - The Nature Conservancy

Tom Cassidy is Director of Federal Land Programs in The Nature Conservancy's Worldwide Office, where he has worked since January, 1999. He is responsible for representing the Conservancy on a variety of conservation issues before the Department of the Interior, United States Forest Service and Congress. His responsibilities include securing federal funding for priority Conservancy land acquisition projects through the Land and Water Conservation Fund, Forest Legacy and other programs. He has also worked on appropriations issues for other conservation priorities, including endangered species, bird conservation, wildland fire management and invasive forest pest and pathogens.

Prior to joining the Conservancy, Tom spent nearly a decade with American Rivers where he served as General Counsel. He was responsible for a number of national campaigns, including successful efforts to protect Yellowstone National Park and Glacier Bay National Park from large mining proposals, and numerous legislative, administrative and judicial actions involving the National Wild and Scenic Rivers system. He had extensive experience with management policies and plans of the U.S. Forest Service.

Tom has also been an attorney in private practice.

Education:

BA, History, UCLA

JD, Hastings College of the Law

JOHN F. TURNER, a native of Jackson Hole, Wyoming is a managing partner in the Triangle X Ranch, a family guest ranch and wilderness outfitting business. He received a B.A. in biology from the University of Notre Dame and an M.S. in wildlife ecology from the University of Michigan. Turner served 19 years in the Wyoming State Legislature (1970 – 1989) and is a former President of the State Senate. He served as vice chairman of the National Wetlands Advisory Board (1983 – 87) and was a member of the National Wetlands Policy Forum (1987 – 88).

In 1989, President George H. W. Bush named Turner as Director of the U. S. Fish & Wildlife Service where he was responsible for the establishment of more new National Wildlife Refuges than any administration in U.S. history. He also launched private land partnerships to protect wildlife habitat and riparian areas. In 1993, he became President and CEO of The Conservation Fund and oversaw the conservation of over 2 million acres across America. In 2001, President George W. Bush nominated Turner to be Assistant Secretary of State for Oceans and International Environmental and Scientific Affairs where he served until 2005.

Turner is currently Chairman of the Ruckelshaus Institute at the University of Wyoming's School of Environment and Natural Resources. He became the first Spicer Visiting Professor in ENR at the University of Wyoming in 2006. The University honored him with an Honorary Doctorate of Law in 2010. He also serves on the Advisory Boards of the Grand Teton National Park Foundation and the National Museum of Wildlife Art, and the Teton Country Raptor Center. Since leaving public service, Turner serves on the Board of Directors of International Paper, Peabody Energy, Ashland, and American Electric Power.

Jeff Trandahl
Executive Director
National Fish and Wildlife Foundation

Jeff Trandahl joined the Foundation in November 2005 after serving on Capitol Hill for 23 years. During his tenure on Capitol Hill, Mr. Trandahl was elected Clerk of the U.S. House of Representatives from 1998 to 2005.

Mr. Trandahl was the second highest constitutional official in the U.S. House of Representatives and served as the chief legislative official. He led a staff of 300 highly specialized staff and oversaw an operating budget of more than \$20 million. Prior to his election as Clerk, he served for various members of the House and Senate and held various committee staff assignments.

As executive director, Mr. Trandahl leads the National Fish and Wildlife Foundation (NFWF), a 501(c)(3) non-profit that protects and restores our nation's native wildlife species and habitats. Created by Congress in 1984, NFWF directs public conservation dollars to the most pressing environmental needs and matches those investments with private funds. Since its establishment 25 years ago, NFWF has awarded over 11,000 grants to more than 3,700 organizations in the United States and abroad and leveraged—with its partners—more than \$530 million of federal funds into \$1.8 billion for conservation.

Mr. Trandahl earned a B.A. in Government/Politics from the University of Maryland in 1987 and, holds a Certificate in Management from the John F. Kennedy School at Harvard University.

Mr. Trandahl was raised in Spearfish, South Dakota; the son of a U.S. Fish and Wildlife Service biologist. An avid outdoorsman, Mr. Trandahl has had a life-long commitment to conservation.

Gary Werner



PROFESSIONAL HISTORY

Executive Director, Partnership for the National Trails System	1999 – present
Member, Board of Directors of Americans for our Heritage & Recreation	1997 - 2003
Chairman, Partnership for the National Trails System	1991 - 1999
Government Relations Consultant, Ice Age Park and Trail Foundation, Pewaukee, WI	1994 - 1995
State Trail Planner, Ice Age Park and Trail Foundation, Pewaukee, WI	1992 - 1994
Dane County Project Coordinator, Ice Age Park and Trail Foundation, Sheboygan, WI	1990 - 1992
State Trail Coordinator, Ice Age Park and Trail Foundation, Sheboygan, WI	1983 - 1989
Self-employed contractor, Residential Restoration and Repair, Madison, WI	1974 - 1983
Seasonal Fire Guard, U.S. Forest Service, Burns, OR	1973
Legislative Representative, John Muir Chapter, Sierra Club, Madison, WI	1971 - 1972

EDUCATION:

University of Wisconsin - Madison; major areas of study: natural sciences, history, anthropology, and philosophy.

John F. Calvelli is the Executive Vice President for the Public Affairs Division of the Wildlife Conservation Society (WCS), a global conservation organization headquartered at the Bronx Zoo dedicated to saving wildlife and wild places. John serves on the Executive Management team that manages the overall organization and he specifically oversees the work of WCS in Government and Community Affairs, Policy, Communications and the WCS online presence.

Prior to joining WCS in 2000, Calvelli served as the senior staff person to Congressman Eliot Engel (D-Bronx) in Washington, DC. As Administrative Assistant/Counsel, he had oversight responsibility for Congressional administrative office functions and oversaw, directed and supervised all legislative initiatives of Rep. Engel during his tenure on the House Energy and Commerce, Foreign Affairs, Science and Education and Labor Committees. Prior to his work in Washington, DC John was chosen to participate in a clinical program with the Civil Division of the Office of then U.S. Attorney Rudolph Giuliani and subsequently served as Associate Counsel to the New York State Assembly.

John was a founder and currently serves as Chair of the Executive Committee of the International Conservation Partnership (ICP), which is comprised of senior public affairs representatives from the major global U.S. conservation organizations. The ICP helps to coordinate policy initiatives with a focus on educating the U.S. Congress and appropriate governmental agencies on global conservation needs. John is also a member of the New York State Environmental Leaders Group, comprised of the senior environmental community leadership dedicated to engaging our political leadership on issues of concern.

John served as a lead member of the negotiation team during the land transfer of 680,000 acres on Tierra del Fuego from Goldman Sachs to the Wildlife Conservation Society in 2003. The first of its kind, this landmark public-private partnership resulted in the creation of Karukinka, a nature preserve that protects key ecological features found in this extraordinary part of the world.

John serves on the Board of New York City and Company, the National Italian American Foundation, the Belmont Business Improvement District, the Picture House Regional Film Center, Bronx Chamber of Commerce, the Preserve Plum Island Coalition and the Westchester Italian Cultural Center. He is a member of the Board of Advisors of the Food Bank, a domestic hunger relief charity, WFUV Radio and CAUSE-NY, a division of The Jewish Community Relations Council of New York's Commission on Intergroup Relations and Community Concerns. On October 15, 1999, the Republic of Italy bestowed the honorific title of Knighthood in the Order of Merit to Calvelli for his work promoting stronger US-Italy relations.

Calvelli graduated from Salesian High School, Fordham University and went on to earn a law degree from Fordham Law School. He is married to Maria DiMeo Calvelli and they have an eleven year old son, John Domenico as well as a seventh month puppy named Felix.

DESIREE SORENSON-GROVES



EDUCATION

George Washington University
Washington, DC
B.A. Geography, George Washington University, 1993

EXPERIENCE

National Wildlife Refuge Association (NWRA) (2007 – present)
Washington, DC
Vice President, Government Affairs
Direct the Association's government affairs activities; develop and execute legislative and regulatory strategy; advocate policies and programs in Congress and the Executive Branch; analyze legislation; develop Congressional testimony; draft communication tools, including position papers, testimony, speeches and articles for trade publications. Assist NWRA President in implementation of strategic plan and goals of organization.

National Wildlife Refuge Association (2005 – 2007)
Washington, DC
Director, Grassroots Outreach
Coordinated and implemented NWRA Grassroots strategic plan to identify, educate and mobilize local conservation constituencies to support national wildlife refuges nationwide to increase community awareness, volunteer involvement and advocacy on behalf of the National Wildlife Refuge System.

National Audubon Society (2001 – 2005)
Washington, DC
Manager, Grassroots Outreach
Created and implemented five-year strategic plan focused on advocate recruitment, education, mobilization and retention. Included identifying, educating, training and mobilizing on-the-ground efforts to motivate a previously stagnant affiliate corps; building new partnerships with non-traditional organizations to promote Audubon's policy agenda, and organization's programs overall. Created and coordinated meetings in Washington, DC, and across the country, producing materials related thereto, and lobbying Members of Congress both in Washington, DC, and in district offices in states across the country.

Lynelle (1993 – 2001)
Washington, DC
Manager
Created and implemented strategic plan to increase profits, grow brand, increase and retain staff and oversee vendor contracts.

Laura M. Bies

Admitted to the Maryland State Bar, December 2004

Relevant Work Experience

Wildlife Society, Bethesda, Maryland

Director of Government Affairs, January 2009 – present; Associate Director of Government Affairs, January 2006 – present. Direct the Society's government affairs and partnerships programs, including working with members and leadership to develop the Society's positions on conservation policy issues, communicating these positions to agencies, Congress, and other organizations, informing members of the Society's policy activities, and providing opportunities for members to participate in policy formation. Responsible for making recommendations to Society leadership on the strategic direction of the program, hiring and supervising policy interns, editing and distributing an online conservation policy newsletter, and writing for the Society's other publications. Represent the Society in various coalitions and partnerships. Provide input to the Executive Director and leadership as part of Senior Management Team.

Acting Policy Director, July 2005 – December 2005. Managed the Society's policy program during a transition between Executive Directors, including working with members and leadership to develop the Society's positions on conservation policy issues, communicating these positions to agencies and lawmakers, informing members of the Society's policy activities, and providing opportunities for members to participate in policy formation. Edited and distributed an online conservation policy newsletter, and wrote for the Society's other publications.

Wildlife Policy Intern, January 2005 – June 2005. Assisted the Policy Director in developing and representing the organization's position on wildlife policy issues, and in communicating these positions to agencies, Congress, and other organizations, through meetings, letters, and articles in the organization's publications.

Department of Justice, Environment & Natural Resources Division, Washington, D.C.

Law Clerk, Env. Defense Section, Summer 2003. Performed legal research on issues under CERCLA, CWA, and RCRA, as well as civil procedure and administrative law. Drafted legal memoranda and motions.

Department of Energy, Office of the Assistant General Counsel for the Environment, Washington, D.C.

Legal Intern, Spring 2003 (part-time). Performed legal research, mainly regarding CERCLA and NEPA, drafted legal documents, including memoranda and correspondence, and reviewed documents for legal soundness. Coordinated field office response to an EPA information request and reviewed relevant documents.

White House Council on Environmental Quality, Washington, D.C.

Legal Intern, Fall 2002 (part-time). Conducted legal research and drafted legal documents, including memoranda. Performed legal research for and reviewed policy documents. Gained extensive experience with NEPA issues.

Environmental Protection Agency, Office of Enforcement and Compliance Assurance, Washington, D.C.

Law Clerk, Toxics & Pesticides Enforcement Division, Summer 2002. Performed legal and non-legal research, drafted motions, memoranda and other legal documents. Assisted attorneys in case development. Updated the division's TSCA Digest. Worked on issues dealing with TSCA, FIFRA, and EPCRA.

Education

The George Washington University Law School, Washington, D.C.

J.D. With Honors, May 2004, GPA : 3.5

Member, Moot Court Board

Staff Member, *The Environmental Lawyer*

Participant, Alternative Dispute Resolution Competitions (Fall 2001 and Spring 2002), Trial Court Competition (Spring 2002) and Jessup International Law Moot Court Competition (Spring 2003)

Pro Bono Certificate, May 2004

University of Delaware, Newark, DE

B.S. in Environmental Science (Geology minor), *Magna Cum Laude*, May 2001, GPA : 3.9

Member, Phi Beta Kappa

Dean's List (all semesters)

Outstanding Senior in Environmental Science, May 2001

List of Publications

2010

Legislating the Right to Hunt, *The Wildlife Professional*. 4(2):48-50.

Batcheller, Gordon, et al. 2010. Public Trust Doctrine: Implications for Wildlife Management and Conservation in the United States and Canada. *The Wildlife Society Technical Review* 2010-1. The Wildlife Society, Bethesda, Maryland, USA. 28 pp.

How Green is Green? *Outdoor America*, 75(1): 16-17. (with M. Hutchins)

The Wildlife Policy News. 17(1-10). (Editor).

2009

Open Sesame: Unlocking Access to Hunting Spaces, *The Wildlife Professional*. 3(1): 36-38.

The Wildlife Policy News. 16(1-6). (Editor).

2008

The Energy Boom: A Bust for Wildlife in the Rocky Mountain West? *The Wildlife Professional*. 2(1): 20-25

The Wildlife Policy News. 15(1). (Editor).

2007

Bordering on Disaster: New Homeland Security Legislation Jeopardizes Wildlife. *The Wildlife Professional*. 1(1): 24-28.

The Wildlife Policy News. 16(1-6). (Editor).

2006

Wetlands Management in the United States. *Wildlife Society Bulletin*. 34(3): 894-896.

The Biofuels Explosion: Is Green Energy Good for Wildlife? *Wildlife Society Bulletin*. 34(4): 1203-1205.

National Forest Roadless Areas: The Battle Rages On. *Wildlife Society Bulletin*. 34(5): 1417-1419.

The Wildlife Policy News. 15(1-6). (Editor).

2005

Forest Service 2004 NFMA Planning Rule: Implications for Wildlife. *Wildlife Society Bulletin*. 33(1): 302-305.

State Comprehensive Wildlife Conservation Strategies. *Wildlife Society Bulletin*. 33(2): 739-743.

Wildlife Management and the Data Quality Act. *Wildlife Society Bulletin*. 33(3): 1133-1138

CARE Groups Visit National Wildlife Refuges. *Wildlife Society Bulletin*. 33(4): 1440-1442.

Pocosin Lakes National Wildlife Refuge: Can the Military and Migratory Birds Mix? *Wildlife Society Bulletin*. 34(2): 502-503.

The Wildlife Policy News. 15(1-5).

Mary Beth Beetham
Director of Legislative Affairs
Defenders of Wildlife
1130 Seventeenth Street, NW
Washington, D.C. 20036


Mary Beth Beetham has spent her entire career working in the conservation field. Currently, she is the Director of Legislative Affairs for Defenders of Wildlife, a leading non-profit organization whose mission is the conservation of plants and animals in their natural communities. She has worked for Defenders since 1995, where she helps to oversee all legislative priorities for the organization, with a current focus on endangered species and federal budget and appropriations issues related to the protection and conservation of wildlife, wildlife habitat, and biodiversity.

Prior to her employment with Defenders of Wildlife, Ms. Beetham worked as legislative assistant for the Honorable Dan Hamburg (D-1 CA), carrying out his legislative program in environment and natural resources with an emphasis on: marine and anadromous fisheries; land use, especially forestry; endangered species; watershed restoration and management; coastal zone management; and water use.

Ms. Beetham has also worked for the Maryland Zoological Society where she managed and studied exotic animals. She holds a Bachelor of Arts from Antioch University and a Master of Science in Marine, Estuarine, and Environmental Sciences from the University of Maryland. Her master's thesis was an original research project on the toxic effects of acid deposition and aluminum upon natural aquatic microbial populations at the Department of Interior's Patuxent Environmental Sciences Center. Ms. Beetham was a recipient of a Dean John A. Knauss Marine Policy Fellowship through the National Sea Grant Fellows Program.

Bio for Nina Fascione

As Executive Director of Bat Conservation International, Nina Fascione guides the Austin, Texas-based organization in its efforts to protect bats and their habitats around the world through innovative programs that blend education, research and conservation.

Nina, a conservation professional for 25 years, assumed leadership of BCI on March 1, 2010. She had previously been Vice President for Field Conservation Programs at Defenders of Wildlife in Washington, D.C., where she managed Defenders' largest division, with 30 staffers at nine regional offices dedicated to endangered species and habitat conservation. She has also held positions with the Wildlife Habitat Council and the Zoological Society of Philadelphia.

Nina serves on the executive committee of the Human-Wildlife Conflict Collaborative, an international group working to further conservation goals by alleviating conflicts with humans. She is also a co-founder and board chair of the Emerging Wildlife Conservation Leaders, a leadership training program for up and coming wildlife professionals. Nina was co-chair of the American Zoo and Aquarium's Bat Taxon Advisory Group from 1991-97, coordinating strategic planning and implementation of conservation and breeding programs for threatened bats.

Nina has a Master of Applied Anthropology and a B.A. in Anthropology from the University of Maryland, where she examined the human component of wildlife conservation. Nina has authored dozens of journal articles, book chapters and technical reports covering various topics in wildlife science and conservation, and edited the Island Press book *People and Predators: From Conflict to Coexistence*.

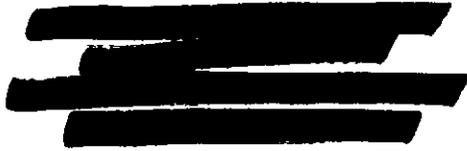
Douglas Headrick, PE
General Manager
San Bernardino Valley Municipal Water District

Mr. Headrick has been involved in California water for over 16 years. After a few years in the aerospace industry designing and building missile launch systems, he transferred to the Santa Ana Watershed Project Authority where he administered a variety of regional water supply and computerized mapping projects. He has also managed a regional groundwater recharge operation and provided the primary technical support for the Big Bear Watermaster and San Bernardino Valley Engineering Investigation. In addition, Mr. Headrick managed the Water and Wastewater Divisions for the City of Redlands for 7 years prior to coming to Valley District. This experience included the administration and operation of two surface water treatment plants and a state-of-the-art recycled water plant, which is the largest of its kind in the Western United States. For Valley District, he is in responsible charge for the overall administration of the District overseeing an annual budget of over \$75 million. He also represents the District on the State Water Contractors Association.

Mr. Headrick holds Bachelor's and Master's Degrees in Civil Engineering from the University of Illinois and a Master's of Business Administration from California State University, San Bernardino, and is a registered Professional Civil Engineer in California.

He is also a volunteer trainer specializing in well drilling and hand pump repair for Lifewater International and travels to developing countries to educate nationals in water resource techniques and transformational development.

ANDREA L. OLIVER



PROFESSIONAL SKILLS

- Broad knowledge and experience in environmental, marine and fisheries science and policy.
- Excellent verbal and written communication, negotiation and facilitation skills.
- Experience in both the legislative and executive branches of government as well as non-governmental, international and inter-governmental organizations.

EXPERIENCE

Environmental and Marine Policy and Management Consultant. February 2009 – present.

- Provide expertise and advice on a variety of domestic and international environmental, marine, fisheries and climate change policy and management issues.

Legislative Assistant and Policy Advisor, Congressman Jim Saxton, Washington, DC. March 2005 – January 2009.

- Staffed the Congressman on all issues under the jurisdiction of the Natural Resources Committee as well as the National Oceanic and Atmospheric Administration (NOAA), the Environmental Protection Agency, Army Corps of Engineers and Agriculture. Duties included active participation and leadership in the bipartisan House Oceans Caucus and the Congressional Wildlife Refuge Caucus, working directly with Appropriations Committee staff on NOAA, Interior and other accounts of importance to the Congressman.
- Key legislative activities for the Congressman included development of the bipartisan Endangered Species Act substitute amendment, working directly with key committee staff and outside interests to help secure passage of the Magnuson-Stevens Fishery Conservation and Management Act as well as promotion of legislation to implement the recommendations of the U.S. Commission on Ocean Policy and the Pew Oceans Commission.
- Worked directly with key committee staff in the House and Senate as well as external partners to advance legislative initiatives, including the Coastal and Estuarine Land Conservation Program, Ocean Observing, Exploration and Undersea Research, and Oceans 21, a comprehensive bill to reform U.S. ocean governance.

Environmental and Marine Policy and Management Consultant. December 2001 – February 2005.

- Provided expertise and advice on a variety of domestic and international environmental, marine and energy policy and management issues.
- Authored reviews of U.S. Federal and state activities on climate change and renewable energy.
- Developed strategies to manage and control fleet capacity, illegal, unreported and unregulated fishing and development of fisheries conservation and management plans. Participated in a global review of trends in fisheries management for the UN Food and Agriculture Organization (FAO).
- Authored a white paper on options to limit fleet capacity in the eastern Pacific Ocean tuna fisheries.

Senior Program Officer, World Wildlife Fund (WWF), Washington, DC. July 1997 – November 2001.

- Provided leadership for the WWF Network in marine policy and management.
- Successfully collaborated with WWF Network members, the European Commission, Japan, other government and industry representatives as well as other conservation organizations to achieve measurable conservation results in the U.S., the European Union and the eastern Pacific Ocean.
 - Developed strong expertise in reauthorization, implementation and regulatory issues related to a broad range of environmental and marine legislation.

- Participated as lead delegate in negotiations at FAO and the Inter-American Tropical Tuna Commission (IATTC).
 - Helped lead the successful negotiation of treaties and global plans of action to implement existing conventions as both a member of U.S. delegations and as lead delegate for WWF.
 - Successfully promoted IATTC agreement to develop long-term plans of action to manage and reduce fishing fleet capacity and reduce bycatch.
- Collaborated with U.S. West Coast conservation and industry partners to develop priorities and input for the West Coast Highly Migratory Species Fishery Management Plan. Promoted incorporation of performance standards and market-based strategies to reduce bycatch and encourage clean gear technology development and fishing practices.

Policy Analyst, Office of International Affairs, NOAA, Washington, DC. May - July 1997.

- Requested by NOAA to coordinate inter-agency development of U.S. international shark conservation and management initiative, including the scope and format of an FAO consultation to establish a global plan of action.

Knauss National Sea Grant Marine Policy Fellow, Biodiversity Team, Office of Protected Resources, National Marine Fisheries Service, NOAA, Silver Spring, MD. February 1996 - January 1997.

- Coordinated and developed strategies to implement U.S. commitments for CITES resolution examining impacts of trade on sharks. Represented the U.S. in CITES and other international meetings, including presentations at the ICCAT Shark Working Group, the Second World Fisheries Congress and the CITES Animals Committee.
- Authored report adopted by CITES on issues impacting the biological status of sharks.

Legislative Coordinator, Marine Fish Conservation Network, Washington, DC. Summer 1994, September 1995 - January 1996.

- Coordinated legislative activities culminating in passage of the Sustainable Fisheries Act for a coalition of conservation, industry and other groups urging incorporation of stronger conservation measures in the Magnuson-Stevens Fishery Conservation and Management Act of 1976.

Traditional Sailing Ship Officer and Instructor. July 1986 - September 1993.

- Earned ocean captain's license to operate vessels on ocean waters around the world.
- Safely operated and navigated sail training vessels in worldwide operation.
- Developed and implemented marine, historical, scientific and environmental education programs.
- Managed and trained ship's personnel.
- Demonstrated strong leadership, management, communications and technical skills as well as decision-making under often-adverse conditions.

HONORS AND AWARDS

- **WWF World of Difference Award**. Highest WWF internal recognition awarded for leadership role in the development and negotiation of global plans of action. 1999.
- **Knauss National Marine Policy Fellowship**. 1996-1997.
- **Graduate Teaching and Research Assistantship**. University of Rhode Island, Department of Marine Affairs. Primary teaching assistant for Coastal and Marine Law course. 1994-1995.

EDUCATION

- Master of Marine Affairs, University of Rhode Island, Kingston, RI, U.S.A.
- Bachelor of Arts, International Relations. Carleton College, Northfield, MN, U.S.A.

INTERESTS

- Sailing, hiking, skiing, cycling, golf, tennis, wine tasting, cooking and traveling. Have lived in several European countries and Australia for extended periods.