

Stevens and NYAS



www.nyas.org



The Traditional, Unique & Dualistic Nature of the Academy

The only Academy that is not an Academy.

**It has always been a home for the elite in science...BUT
from the beginning, all those interested in science were welcomed.**

The only local Academy that became global.

**It was born as an institution OF the City of New York ...BUT
Non-New Yorkers like President Jefferson and Europe's Charles
Darwin and Louis Pasteur joined it.**

Current Statistics continue to reinforce this.

23,540 members from 140 countries

42% in NYC

28% in Rest of U.S.

30% outside of U.S.

The Elite Nature of the NYAS: The President's Council

26 NOBELISTS

- Agre
- Axel
- Baltimore
- Berg
- Blobel
- Brenner
- Brown
- Buck
- Cech
- Chalfie
- Ciechanover
- Doherty
- Fischer
- Goldstein
- Greengard
- Kandel
- Lederman
- MacKinnon
- Nurse
- Richardson
- Rowland
- Samuelsson
- Sharp
- Varmus
- Wiesel
- Wilczek

OTHER LUMINARIES

Baulieu, President Emeritus, French Academy
Blavatnik, CEO, Access Industries
Conway, Science Advisor, DFID, UK
Gruss, President, Max-Planck
Haseltine, Pres., Haseltine Associates
Kurokawa, former Science Advisor to Japan's Cabinet
Menschel, Managing Director, Goldman Sachs
Niblack, former Pres., Global Research, Pfizer
Sigal, Chief Scientific Officer, BMS
Ringrose, Chairman, BBSRC, UK
Tilghman, President, Princeton
Walsh, EVP, Research, Wyeth
Whitehead, former co-chair, Goldman Sachs
Winnacker, President, European Research Council
Elias Zerhouni, former Dir., NIH; Sen'r Fellow, Gates Found'n
Zhou, Chairman Emeritus, China Ass. Sci. &Tech.

The New York Academy of Sciences: Board of Governors

Chair: **John Sexton, President, NYU**

Vice Chair: Bruce McEwen, Rockefeller U.

President: Ellis Rubinstein, NYAS

Treasurer: Jay Furman, RD Management

Seth Berkley, IAVI

Len Blavatnik, Access Industries

Manuel Camacho, Proyectos Omega

Nancy Cantor, Syracuse U.

Robert Catell, National Grid

Gerald Chan, Morningside Group

Virginia Cornish, Columbia U.

Ken Davis, Mt. Sinai

Robin Davisson, Cornell U.

Brian Ferguson, Rutgers U.

Brian Greene, Columbia U.

William Haseltine, Haseltine Global Health

Steve Hochberg, Ascent Biomedical Ventures

Toni Hoover, Pfizer

Mort Hyman, MPH Enterprises

Madeleine Jacobs, Amer. Chemical Society

Mehmood Khan, Pepsico

Abe Lackman, CICU

**Rajendra Pachauri, Nobelist, Energy &
Resources Inst,**

Russell Read, C Change Investments

Jeffrey Sachs, Columbia U.

David Skorton, Cornell U.

Paul Stoffels, J&J

George Thibault, Macy Foundation

Iris Weinshall, CUNY

Anthony Walters, United Health

Frank Wilczek, Nobelist, MIT

Deborah Wiley, Wiley Publishing

**Torsten Wiesel, Nobelist, former Sec Gen, Human
Frontier Sci. Prog.**

Corporate Members



New York Biotechnology Association



Mission & Vision

VISION

- Creating a global community of science for the benefit of humanity.

MISSION

- Advances scientific knowledge,
- Helps resolve science-based global challenges,
- Increases the number of scientifically informed individuals.

Value Proposition



Cutting-edge science: advancing cross-disciplinary & problem-directed research through convening and disseminating

Tomorrow's leaders: identifying & empowering the best & brightest

Networks: achieving synergies through silo-busting

- **Inter-institutional linkages**
- **Academic-industry linkages**
- **Science-finance linkages**
- **Region-to-region linkages**

Facilitating: developing alliances for innovation & competitiveness

Scientific Programs



Topics covered in Discussion Groups and Conferences:

Life Sciences

- Biochemical Pharmacology
- Brain Dysfunction
- *C.Elegans* Group
- *Drosophila* Group
- Cancer and Signaling
- Chemical Biology
- Diabetes and Obesity
- Emerg'g Infectious Diseases & Microbiology
- Predictive Toxicology
- RNAi
- NY Area Structural Biology Group
- Systems & Computational Biology
- Hot topics

Physical Sciences & Engineering

- Soft materials
- Machine learning
- Quantitative Finance
- String Theory, Astrophysics & cosmology
- Hot topics

Green Science & Sustainability

- Green Science
- Environmental Policy
- Green Buildings

We have established steering committees in each program area to make powerful, dynamic groups through strong leadership.

These committees work closely with our staff to guide our unique and influential programming.

Global Reach: Conferences

- **Host an Annual Conference for Johns Hopkins School of Public Health to increase visibility for key programs and faculty**
 - This year's conference is on "Water and Health: Global Issues and our Shared Responsibilities"
- **Other Select Conferences Include:**
 - Values and Empathy Across Social Barriers, **Barcelona**, October 2008
 - Biomarkers in Brain Disease, **Oxford** UK, January 2009
 - Regenerative Medicine, **Beijing**, May 2009
 - The Michael J. Fox Foundation: Third Annual Parkinson's Disease Therapeutics Conference, **New York City**, September 2009
 - And events in **Boston, San Diego, Washington** + more

Advancing & Disseminating Research: Local Events, International Reach, Global Impact



Live &
Archived
Webinars

eBriefings,
expert online
multimedia
reports



Annals (electronic/print)

A community of academic, private and public institutions providing their students, postdocs and community:

- opportunities to develop skills and potential with seminars, workshops and events focused on professional skills.
- career focused events, information, resources and job board
- networking with peers and top scientists across institutions, disciplines and sectors at meetings, events and conferences
- the benefits of sharing development and career resources among institutions

The Alliance's Two Areas of Focus

Professional Skills

examples:

- Networking
- Resume / CV
- Presentations
- Grant and publication writing
- Negotiation
- Understanding budgets

Careers / Jobs

examples:

- Career panels and invited speakers
- Networking opportunities
- Idea to IPO course

Participating Institutions

- Albert Einstein College of Medicine
 - Burke Medical Research Institute
 - **Cold Spring Harbor Laboratory**
 - Columbia University
 - Columbia University School of Medicine
 - **Cornell University**
 - Weill Cornell Medical College
 - CUNY Graduate Center
 - **Genentech**
 - **Hallym University College of Medicine**
 - **Karolinska Institute**
 - Memorial Sloan-Kettering Cancer Center
 - Gerstner Sloan-Kettering Graduate School of Biomedical Sciences
 - Mount Sinai School of Medicine
 - New York Medical College
 - NYU Graduate School of Arts and Sciences
 - NYU School of Medicine
 - Polytechnic University, Brooklyn
 - Rockefeller University
 - Seton Hall University
 - **Stanford University**
 - SUNY Downstate
 - University of Medicine and Dentistry of New Jersey
 - **The Wadsworth Center - NYSDOH**
 - **Yale University**
- Sponsor Faculty and Students:
- **Syracuse University**
 - **Mexico City**

Science**Alliance**

Individual Benefits



- **Free admission to all Frontiers of Science Discussion Group events and live/archived webinars**, and reduced fees to Academy Conferences.
- **Access to 600+ Academy eBriefings**, expert online multimedia reports of Academy events and articles.
- **Free attendance to all Science Alliance events**, helping you in your career and professional development.
- **Personalized Services to Campuses.** Science Alliance co-sponsors events at various alliance campuses, in addition to Alliance-wide events. These programs have covered topics such as: finding a postdoc, networking, CV/resume workshops, and career strategies.
- **Special Opportunities.** Through the ongoing and developing relationships with institutions and organizations, we are able to offer special opportunities for Alliance members. For example, company days with a focus on recruiting and careers, and special opportunities for students and postdocs to participate in internal and external conferences and events.

Science**Alliance**

Institutional Benefits



- Provide students and faculty the opportunity to network with scientists and researchers in a variety of scientific areas.
- Encourage interdisciplinary discussion.
- Create a link from the university to the outside world.
- Better market the institution globally to other major science centers and multinational corporations.
- Provide robust career mentoring services, greatly enhancing the university-provided services.
- Create a pipeline of students and faculty with solid networks who can enhance regional and global competitiveness.
- Being to able to participate in the unique New York City climate, enhancing the brand.
- Students and faculty go on to speak at our events and are published in the Annals, increasing the dissemination and recognition of their work and the university.
- Value of being a participant in a regional synergy.