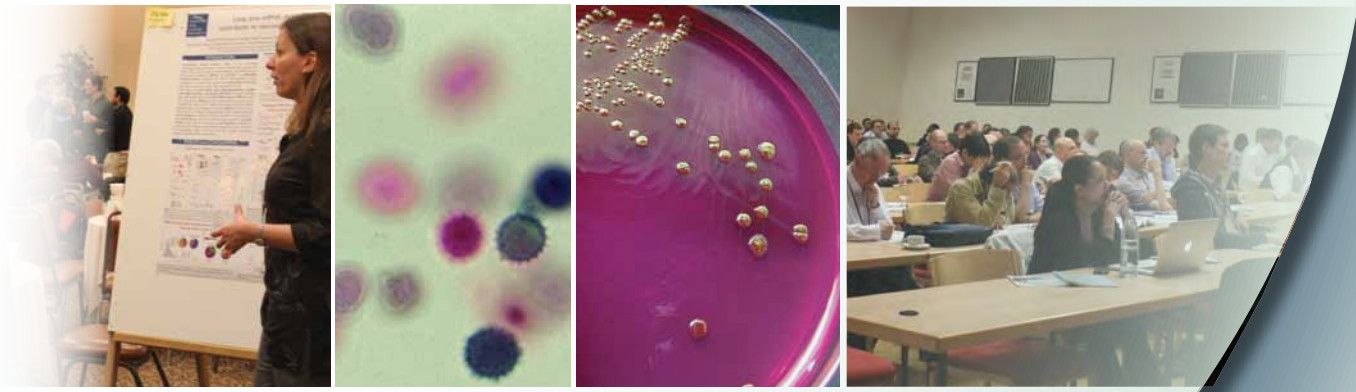




KEYSTONE SYMPOSIA ON MOLECULAR & CELLULAR BIOLOGY

2011 ANNUAL REPORT

JULY 2010 – JUNE 2011



KEYSTONE  **SYMPOSIA™**
on Molecular and Cellular Biology

Accelerating Life Science Discovery

a 501(c)3 educational nonprofit organization



THE 2011 MEETING SEASON

OCTOBER 2010 – JUNE 2011

Immunological Mechanisms of Vaccination

Organizers: Bali Pulendran, Rino Rappuoli and Bruce A. Beutler
Oct 27–Nov 1 • Sheraton Seattle Hotel • Seattle, Washington • USA

TGF- β in Immune Responses: From Bench to Bedside

Organizers: Wanjun Chen, Howard L. Weiner and Richard A. Flavell
Jan 7–12 • Snowbird Resort • Snowbird, Utah • USA

Functional Consequences of Structural Variation in the Genome

Organizers: Evan E. Eichler and Matthew Hurles
Jan 8–13 • Sheraton Steamboat Resort • Steamboat Springs, Colorado • USA

Frontiers of NMR in Biology

Organizers: Michael F. Summers, Dorothee Kern and David E. Wemmer
Jan 8–13 • Big Sky Resort • Big Sky, Montana • USA

NK and NKT Cell Biology: Specificity and Redundancy of Innate Responses

Organizers: James P. Di Santo, Eleanor M. Riley and Mitchell Kronenberg
Jan 9–14 • Beaver Run Resort • Breckenridge, Colorado • USA

Adult Neurogenesis

Organizers: Jenny Hsieh, Fred H. Gage, Alejandro Fabian Schinder and Pierre-Marie Lledo
Jan 9–14 • Sagebrush Inn and Conference Center • Taos, New Mexico • USA

Histone Code: Fact or Fiction?

Organizers: Karolin Luger, James Davie and Joanna Wysocka
Jan 10–15 • Zermatt Resort & Spa • Midway, Utah • USA

Type 2 Diabetes, Insulin Resistance and Metabolic Dysfunction

Organizers: Deborah M. Muoio and Rosalind A. Coleman
joint with: Obesity
Organizers: Steven R. Smith and Jacqueline M. Stephens
Jan 12–17 • Keystone Resort • Keystone, Colorado • USA

Tuberculosis: Immunology, Cell Biology and Novel Vaccination Strategies

Organizers: Stefan H.E. Kaufmann, Gerhard Walzl and Lalita Ramakrishnan
joint with: Mycobacteria: Physiology, Metabolism and Pathogenesis – Back to the Basics
Organizers: David R. Sherman and Sabine Ehrt
Jan 15–20 • Fairmont Hotel Vancouver • Vancouver, British Columbia • Canada

Plant Abiotic Stress Tolerance Mechanisms, Water and Global Agriculture

Organizers: Julian I. Schroeder and Jacqueline E. Heard
Jan 17–22 • Keystone Resort • Keystone, Colorado • USA

Epithelial Plasticity and Epithelial to Mesenchymal Transition

Organizers: Rik Derynck, Harold A. Chapman and Raymond Runyan
Jan 21–26 • Fairmont Waterfront • Vancouver, British Columbia • Canada

Transmembrane Signaling by GPCRs and Channels

Organizers: Oliver P. Ernst and U. Benjamin Kaupp
Jan 23–28 • Sagebrush Inn and Conference Center • Taos, New Mexico • USA

Extracellular Matrix and Cardiovascular Remodeling

Organizers: Merry L. Lindsey and Thomas K. Borg
Jan 23–28 • Granlibakken Resort • Tahoe City, California • USA

The Evolution of Protein Phosphorylation

Organizers: Tony Hunter and Tony Pawson
Jan 23–28 • Keystone Resort • Keystone, Colorado • USA

Stem Cells in Development, Tissue Homeostasis and Disease

Organizers: Ronald D. McKay, Elaine Fuchs and Thea D. Tlsty
Jan 30–Feb 4 • Eldorado Hotel & Spa • Santa Fe, New Mexico • USA

Genomic Instability and DNA Repair

Organizers: Junjie Chen, Karlene A. Cimprich and Michael B. Yaffe
Jan 30–Feb 4 • Keystone Resort • Keystone, Colorado • USA

Lung Development and Repair

Organizers: Brigid L.M. Hogan, Ross Metzger and Edward E. Morrisey
Feb 6–11 • Hilton Santa Fe/Historic Plaza • Santa Fe, New Mexico • USA

Immunologic Memory, Persisting Microbes and Chronic Disease

Organizers: E. John Wherry, Bali Pulendran and Yasmine Belkaid
Feb 6–11 • Fairmont Banff Springs • Banff, Alberta • Canada

Antibodies as Drugs

Organizers: Nils Lonberg, Stephen M. Ansell and Edith Perez
Feb 6–11 • Keystone Resort • Keystone, Colorado • USA

MicroRNAs and Non-Coding RNAs and Cancer

Organizers: Gregory J. Hannon, Curtis C. Harris and Martine F. Roussel
joint with: MicroRNAs and Human Disease
Organizers: Eric N. Olson, Sakari Kauppinen and Eva van Rooij
Feb 11–16 • Fairmont Banff Springs • Banff, Alberta • Canada

Dendritic Cells and the Initiation of Adaptive Immunity

Organizers: Ira Mellman, Michel C. Nussenzweig, Virginia Pascual and Federica Sallusto
joint with: Cancer Control by Tumor Suppressors and Immune Effectors
Organizers: Laurence Zitvogel, Anna Karolina Palucka and Mark J. Smyth
Feb 12–17 • Santa Fe Community Convention Center • Santa Fe, New Mexico • USA

Inositide Signaling in Pharmacology and Disease

Organizers: Marco Falasca, Nullin Divecha, John D. York and Pietro V. De Camilli
joint with: PI 3-Kinase Signaling Pathways
Organizers: Bart Vanhaesebroeck, Sabina Cosulich and Ramon Parsons
Feb 13–18 • Keystone Resort • Keystone, Colorado • USA

Genetics, Immunology and Repair in Multiple Sclerosis

Organizers: Wendy B. Macklin, Gavin Giovannoni and Stephen L. Hauser
Feb 15–20 • Sagebrush Inn and Conference Center • Taos, New Mexico • USA

Neurodegenerative Diseases:

The Molecular and Cellular Basis for Neurodegeneration

Organizers: Ted M. Dawson, Virginia M.-Y. Lee and Stephen M. Strittmatter
Feb 21–26 • Sagebrush Inn and Conference Center • Taos, New Mexico • USA

Mechanisms of Cardiac Growth, Death and Regeneration

Organizers: Richard N. Kitsis, Ivor J. Benjamin and Charles E. Murry
Feb 22–27 • Keystone Resort • Keystone, Colorado • USA

Molecular Cardiology: Disease Mechanisms and Experimental Therapeutics

Organizers: Joseph M. Metzger, Leslie A. Leinwand and Jeffery D. Molkentin
Feb 22–27 • Keystone Resort • Keystone, Colorado • USA

Mucosal Biology: A Fine Balance between Tolerance and Immunity

Organizers: Joanne L. Viney, Paul Garside and Bana Jabri
joint with:
Immunity in the Respiratory Tract: Challenges of the Lung Environment
Organizers: David L. Woodland, Liise-anne Pirofski and Allen G. Harmsen
Feb 26–Mar 3 • Fairmont Hotel Vancouver • Vancouver, British Columbia • Canada

Evolutionary Developmental Biology

Organizers: Sean B. Carroll, Trisha J. Wittkopp and Nicole King
Feb 27–Mar 3 • Granlibakken Resort • Tahoe City, California • USA

DNA Replication and Recombination

Organizers: Peter M. Burgers, Lorraine S. Symington and Johannes Walter
Feb 27–Mar 4 • Keystone Resort • Keystone, Colorado • USA

Biofuels

Organizers: Stephen P. Mayfield, Martin Keller and Jeffrey P. Obbard
Mar 1–6 • Swissôtel The Stamford • Singapore • Singapore

Stem Cells, Cancer and Metastasis

Organizers: Richard J. Gilbertson and Daniel A. Haber
Mar 6–11 • Keystone Resort • Keystone, Colorado • USA

The 2011 season of 55 meetings was the 40th since Keystone Symposia held its first meeting in March 1972 in Squaw Valley, California on membrane research. Keystone Symposia now holds conferences across all facets of the life sciences.

New Frontiers at the Interface of Immunity and Glycobiology

Organizers: Brian A. Cobb, Gabriel A. Rabinovich and Yvette van Kooyk
Mar 6–11 • Fairmont Chateau Lake Louise • Lake Louise, Alberta • Canada

AAA+ and Related ATP-Driven Protein Machines: Structure, Function and Mechanism

Organizers: Andreas Matouschek, Robert T. Sauer and Phyllis I. Hanson
Mar 20–24 • Granlibakken Resort • Tahoe City, California • USA

Mechanism and Biology of Silencing

Organizers: Elisa Izaurralde, Victor Ambros and V. Narry Kim
Mar 20–25 • Portola Hotel & Spa • Monterey, California • USA

HIV Evolution, Genomics and Pathogenesis

Organizers: Michael Emerman, Melissa Robbiani (Pope) and Amalio Telenti
joint with:

Protection from HIV: Targeted Intervention Strategies

Organizers: Mario Roederer, Carolyn Williamson and Robin Shattock
Mar 20–25 • Whistler Conference Centre • Whistler, British Columbia • Canada

Microbial Communities as Drivers of Ecosystem Complexity

Organizers: Jacques Ravel, Vincent B. Young, Mitchell L. Sogin and Trina McMahon
Mar 25–30 • Beaver Run Resort • Breckenridge, Colorado • USA

Autophagy

Organizers: Ana Maria Cuervo, David C. Rubinsztein and Thomas P. Neufeld
Mar 27–Apr 1 • Whistler Conference Centre • Whistler, British Columbia • Canada

Hematopoiesis

Organizers: David Traver, Amy J. Wagers and Emmanuelle Passegué
Mar 27–Apr 1 • Big Sky Resort • Big Sky, Montana • USA

Environmental Epigenomics and Disease Susceptibility

Organizers: Randy L. Jirtle, Moshe Szyf and Frederick L. Tyson
Mar 27–Apr 1 • Grove Park Inn Resort & Spa • Asheville, North Carolina • USA

Metabolic Responses to Extreme Conditions

Organizers: John R. Speakman, Jan Nedergaard and Sandra L. Martin
Apr 1–5 • Big Sky Resort • Big Sky, Montana • USA

Immunoregulatory Networks

Organizers: Dario A.A. Vignali, Steven F. Ziegler and Hilde Cheroutre
Apr 1–6 • Beaver Run Resort • Breckenridge, Colorado • USA

Drugs from Bugs: The Anti-Inflammatory Drugs of Tomorrow

Organizers: Pdraic G. Fallon, Grant McFadden and Amanda E.I. Proudfoot Fichard
joint with:

Evolving Approaches to Early-Stage Drug Discovery

Organizers: Craig W. Lindsley and Linda Brady
Apr 3–7 • Snowbird Resort • Snowbird, Utah • USA

B Cells: New Insights into Normal versus Dysregulated Function

Organizers: David J. Rawlings, Frances E. Lund, Stuart G. Tangye and John G. Monroe
Apr 12–17 • Fairmont Chateau Whistler • Whistler, British Columbia • Canada

Omics Meets Cell Biology

Organizers: Anne-Claude Gavin and Charlie M. Boone
May 8–13 • Alpbach Congress Centrum • Alpbach • Austria

Lipid Biology and Lipotoxicity

Organized in collaboration with Science Foundation Ireland
Organizers: Scott A. Summers and Rudolf Zechner
May 15–20 • INEC–Ireland's National Events & Conference Centre • Killarney, Co. Kerry • Ireland

Pathogenesis of Influenza: Virus-Host Interactions

Organized in collaboration with The University of Hong Kong as part of its Centenary Celebrations
Organizers: Siamon Gordon, Malik Peiris and Kanta Subbarao
May 23–28 • Sheraton Hong Kong Hotel & Towers • Kowloon, Hong Kong • China

Changing Landscape of the Cancer Genome

Organizers: Lynda Chin, Christoph Lengauer and Michael Stratton
Jun 20–25 • Boston Park Plaza & Towers • Boston, Massachusetts • USA



Dr. Chris Wilson of Bill & Melinda Gates Foundation, top left, and Dr. Anthony Fauci of NIAID, NIH, top right, present and attendees interact at the Global Health Series meeting on "Immunological Mechanisms of Vaccination" in Seattle, Washington in October 2010.



Participants attend a plenary session at Keystone Symposia's February 2011 "Neurodegenerative Diseases" meeting in Taos, New Mexico.



Closing speaker Dr. Sean Morrison and organizer Dr. Daniel Haber take questions at the March 2011 meeting on "Stem Cells, Cancer and Metastasis" in Keystone, Colorado.



Attendees mingle in the springtime Alps at Keystone Symposia's conference on "Omics Meets Cell Biology" in May 2011 in Alpbach, Austria.

FROM THE CHAIR OF THE BOARD



Juleen R. Zierath, Ph.D.

As I reflect on the 2011 fiscal year and meeting season – Keystone Symposia’s 40th, I am honored to be associated with Keystone Symposia on Molecular and Cellular Biology and particularly to lead its Board of Directors. This past year, an outstanding array of meetings was offered that continued our reputation for high quality and innovation. In addition, several new initiatives were launched.

For example, in 2011, Keystone Symposia expanded its diversity efforts with the launch of an Early-Career Investigator Travel Award, a Scholars Program for aspiring researchers at the undergraduate level piloted at the University of New Mexico-Taos, and a Health Disparities Workshop, which ran for the first time at our conference on “*Changing Landscape of the Cancer Genome*” in Boston, Massachusetts. These two initiatives, described in more detail on page 7 of this Annual Report, were greeted with enthusiasm and strong interest, and I am pleased that we will continue and expand them during the 2012 fiscal year, thanks to support from Novartis Institutes for BioMedical Research. Corporate gifts such as this enhance our overall diversity program, which is currently supported by a grant from the National Institute of General Medical Sciences of the National Institutes of Health.

These new initiatives are examples of what the valuable gifts provided by government, foundation, corporate and individual partners can make possible. We are grateful for all support during these challenging economic times. In addition to making new programs possible, these gifts help offset the costs associated with holding meetings, and also allow the younger generation of life scientists to participate.

As in past years, the 2011 season meetings involved participation from an outstanding number of these younger scientists (41% of all attendees were students and postdoctoral fellows), and a record number of abstracts were submitted for the meetings as well. There was also an increase in representation from early-career (assistant professor and younger investigator) scientists: as speakers up 97% over three years from 64 in 2008 to 130 in 2011, and as overall attendees up 49% from 941 in 2008 to 1,403 in 2011. This was a very positive trend that we hope will continue.

While most gift and grant support is allocated for scholarships and non-corporate speaker travel expenses, we are always eager to hear your ideas for new programs which support might enable. We have recently launched a planned giving program for those who might wish to consider supporting Keystone Symposia on an individual basis, details of which can be viewed at www.ksgift.org.

As we officially celebrate the organization’s 40th anniversary in 2012, we thank you for the many ways you have supported Keystone Symposia over the years. We eagerly look forward to the future of accelerating life science discovery and bringing together the scientific community.

Sincerely,

A handwritten signature in black ink, appearing to read "Juleen R. Zierath".

Juleen R. Zierath, Ph.D.
Professor of Molecular Medicine and Surgery, Karolinska Institutet
Chair of the Board, Keystone Symposia

FROM THE CHIEF EXECUTIVE OFFICER



James W. Aiken, Ph.D.

The 2011 meeting season (fall 2010 through spring 2011) was my eighth as CEO of Keystone Symposia, and it was going to be my last until I decided that I was having too much fun to retire. The year did, however, turn out to be an important one for leadership changes. Andy Robertson, our Chief Scientific Officer for more than five years, left to take up responsibility for EMBL's conferences and educational programs. Fortunately, we found an excellent new CSO, David L. Woodland, Ph.D. (see more on this on the next page), in time to lead us into the 2012 season of scientific conferences.

Assessing any impact of the recession on our meetings is difficult. Overall attendance rebounded in 2011 to near-record levels, reversing the dip of about 12% we experienced in 2010. However, our surveys indicate that starting in 2009, and continuing through 2011, scientists are attending a smaller number of total meetings (of all types) each year. These data reinforce the importance to Keystone Symposia of delivering the highest-quality programming for attendees and creating the most favorable atmosphere for valuable face-to-face interactions. Indeed, in 2011, attendees rated Keystone Symposia's "Overall Scientific Content" and "Scientific Value Compared to Other Meetings" the highest they have been in the past five years. Although this feedback makes me personally very pleased, the credits belong to the Scientific Advisory Board who select topics and recommend organizers, the Scientific Organizers who design the programs and select the speakers, and the Keystone Symposia staff who implement the conferences and make them hospitable.

Also in 2011, we "bit the bullet" and raised the dollar amount of scholarships to \$1,200, which had been at \$1,000 for a decade, knowing that this move would reduce the total number of scholarships that we could award. The pleasant surprise was that the 20% increase in the value of the scholarship was accompanied by only a 5% decline in the number that we were able to award. The discrepancy was due to increased grant support for scholarships that nearly offset the potential impact of a boost in scholarship value on the number awarded.

Finally, each year we try some new things: novel topics or pairings of joint meetings, global venues, city venues, programming of ancillary workshops on related themes, activities to enhance the participation and value for early-career scientists. For example, in 2011 we held very well-attended meetings in Seattle and Boston, our first meeting in Hong Kong, a novel pairing of a tumor immunology meeting with our dendritic cells meeting, and a new "Health Disparities Workshop." None of these "experiments" can be evaluated like a laboratory experiment because we can't control all the variables. Thus, we greatly value the opinions attendees provide to us. This feedback helps us shape new ways to make our symposia more valuable to participants. In 2012 we will try some more "experiments" and look forward to your input.

Thank you to everyone who contributes to Keystone Symposia. We would not be able to accomplish our mission without your invaluable support.

A handwritten signature in black ink, appearing to read "Jim", written in a cursive style.

James W. Aiken, Ph.D.
President and Chief Executive Officer, Keystone Symposia

NEW CHIEF SCIENTIFIC OFFICER APPOINTED



David "Woody" Woodland, Ph.D.

"I am thrilled to be part of a highly respected organization that plays such a pivotal role in life science research and advancement. The position as Keystone Symposia's Chief Scientific Officer enables me to assume a broader scientific perspective than I have had as a specialized researcher, or as the head of a research institute. I am particularly looking forward to the impact I can have on scientific communication and training that are central to Keystone Symposia's mission."

- David "Woody" Woodland

Dr. David L. Woodland was appointed Chief Scientific Officer of Keystone Symposia during the summer of 2011. He replaced Dr. Andrew Robertson, who left the organization after five years to become Scientific Coordinator for the EMBL (European Molecular Biology Laboratory) International Center for Advanced Training (EICAT) in Heidelberg, Germany. Woody, as he is known, began his new appointment October 31, 2011.

An internationally recognized lung researcher, immunologist and virologist, Dr. Woodland was previously the President and Director of the Trudeau Institute, a nonprofit, biomedical research institute located in Saranac Lake, New York. As its head from 2008 to 2011, he directed a staff of more than 100 researchers and administrators and managed a budget of \$17 million.

Dr. Woodland is Editor-in-Chief of the journal *Viral Immunology*, serves on the editorial boards of the journals *Biology Direct* and the *European Journal of Immunology* and is a member of the American Association of Immunologists. He has published close to 200 research articles and reviewed many others during the course of his career.

A native of the United Kingdom, Dr. Woodland is no stranger to Colorado. After receiving his Bachelor's degree from the University of Bath in England and then a doctoral degree for studies at the Max Planck Institute for Immunobiology in Freiburg, Germany, he embarked on a postdoctoral fellowship at National Jewish Health in Denver for four years. Next, he served on the research staff of St. Jude Children's Research Hospital in Memphis, Tennessee for nine years before joining the Trudeau Institute in 1999. While at St. Jude's, Dr. Woodland taught as an adjunct professor at the University of Tennessee, Knoxville.

Woody is also no stranger to Keystone Symposia, having organized two Keystone Symposia scientific conferences and presented at numerous others. In February 2011, he was the lead scientific organizer for Keystone Symposia's conference in Vancouver, British Columbia on *"Immunity in the Respiratory Tract: Challenges of the Lung Environment,"* which was held jointly with a Global Health meeting on *"Mucosal Biology: A Fine Balance between Tolerance and Immunity."* Well before the search for a new Chief Scientific Officer began, he had also been invited to speak at Keystone Symposia's March 2012 meeting on *"Viral Immunity and Host Gene Influence"* at Keystone Resort.

Woody is married to Dr. Marcy Blackman, another noted scientific researcher. They actually met while they were postdoctoral fellows in Denver. Along with their children, she has relocated to Colorado with him and will be continuing her research from Summit County, Colorado.

In his free time, Woody enjoys jogging, skiing and playing chess. He is also looking forward to getting involved in the local community.

The staff and board of Keystone Symposia warmly welcome Woody and wish him great success in his new role.

NEW INITIATIVES IN 2011

A number of exciting initiatives took shape in the 2011 fiscal year and meeting season. Many of these involved new diversity-focused programs.

At the February 2011 conferences on “*Multiple Sclerosis*” and “*Neurodegenerative Diseases*” in Taos, New Mexico, Keystone Symposia piloted what has since been named the **Keystone Symposia Scholars** program. This enables promising undergraduates (in this case from the University of New Mexico–Taos, a minority-serving institution) to take an intensive, tutorial-style class centered around readings of work to be presented at the conference. The class culminates with the students attending the conference and being able to interact first-hand with the researchers whose work they have been reading. Led by Dr. Martinez Hewlett, the course was praised as an extremely valuable experience for all involved. We are grateful for the support that Novartis Institutes for BioMedical Research has pledged for the continuation and expansion of this valuable mentoring program. The initiative additionally includes a free public lecture for the community, which in 2011 was generously given by Dr. Lee Hood at the Harwood Museum in Taos and attended by nearly 100 people.

Novartis Institutes for BioMedical Research will also be supporting an expansion of a **Health Disparities Workshop** program piloted at Keystone Symposia’s meeting on “*Changing Landscape of the Cancer Genome*” in Boston, Massachusetts in June 2011. This workshop seeks to promote a better understanding among bench researchers of disparities in medical conditions, genetic predispositions and, in turn, therapeutic solutions for individuals from different ethnic and socioeconomic backgrounds. Similar workshops will be held at three distinct Keystone Symposia conferences in the 2012 meeting season and will also be filmed for broader dissemination via the Internet.

Thanks to funding from the MARC (Minority Access to Research Careers) grant Keystone Symposia received in 2010 from the NIH National Institute of General Medical Sciences, a new **Early-Career Investigator Travel Award** was introduced in 2011 for Assistant Professor-level faculty from Underrepresented Minority (URM) backgrounds to attend Keystone Symposia meetings of their choice beginning with the 2012 meeting season. We plan to make at least seven awards in 2012 to early-career faculty who can clearly articulate how attending the conference might help them answer a particular research question, and who agree to mentor a URM student or postdoc for one year. The MARC grant has also enabled Keystone Symposia to offer an expanded number of scholarships to graduate students and postdoctoral fellows from underrepresented minority backgrounds.

Finally in 2011, with its lease nearly up, Keystone Symposia moved to newly renovated, leased office space on the second floor of a Silverthorne, Colorado bank building. While just across Highway 6 from the previous space, the modern offices facilitate greatly enhanced communication and productivity for the 30-plus-member staff.



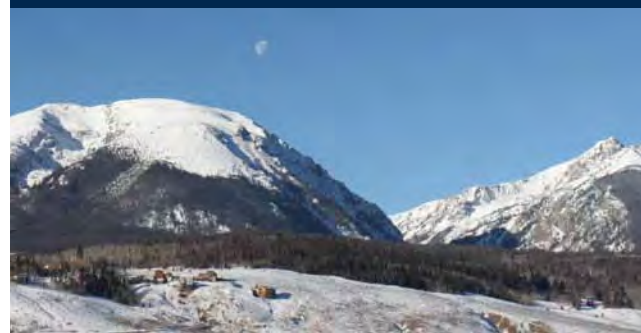
Neurobiologists meet undergraduate University of New Mexico–Taos biology students during Keystone Symposia’s February 2011 “Neurodegenerative Diseases” conference in Taos, New Mexico in the pilot Keystone Symposia Scholars Program.



Dr. Laina King, Director of Diversity in Life Science Programs at Keystone Symposia, announces the two winners of the 2011 Keystone Symposia/ABRCMS Travel Awards at the Annual Biomedical Research Conference for Minority Students in November 2010 in Charlotte, North Carolina.



Keystone Symposia graduated its third class of Fellows at the June 2011 Scientific Advisory Board meeting in Keystone, Colorado. The Fellows program continues strong as a key Diversity in Life Science initiative.

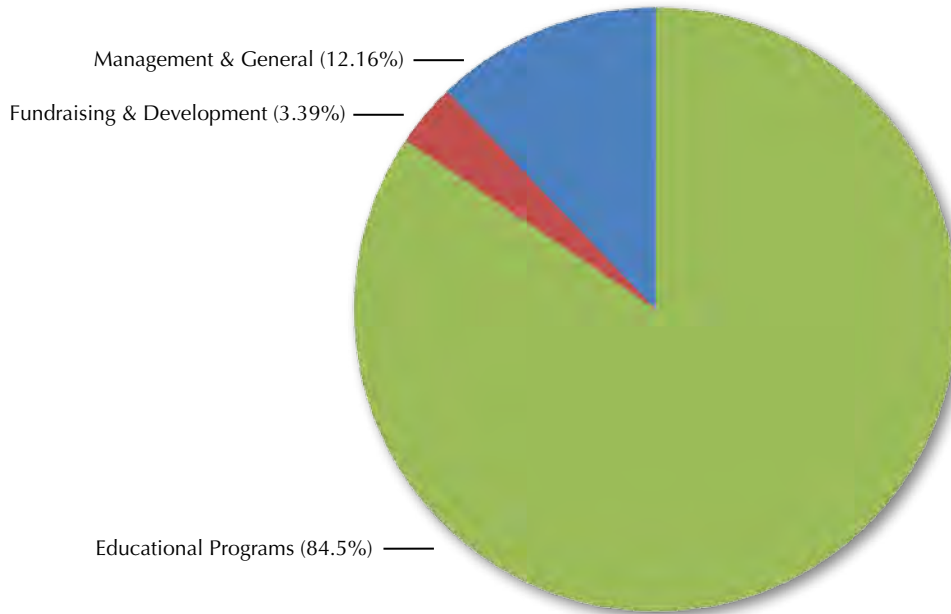


Keystone Symposia moved to newly renovated, modern office space in Silverthorne, Colorado in May 2011. Like the previous space, the offices sit in the shadows of the Rocky Mountains’ Gore Range.

2011 BY THE NUMBERS

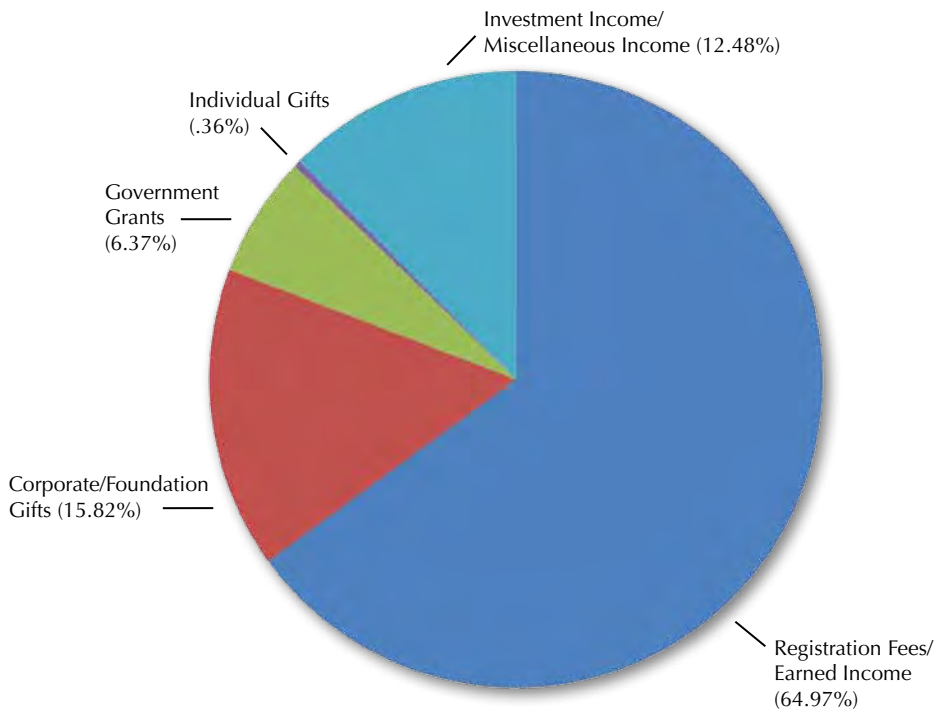
The charts below are intended to provide a snapshot of Keystone Symposia's 2011 finances and activities. Please visit www.keystonesymposia.org/AboutUs/AnnualReport.cfm to view the full audited statement of financial condition and statement of activities for the fiscal year July 1, 2010 – June 30, 2011.

2011 EXPENDITURE BREAKDOWN

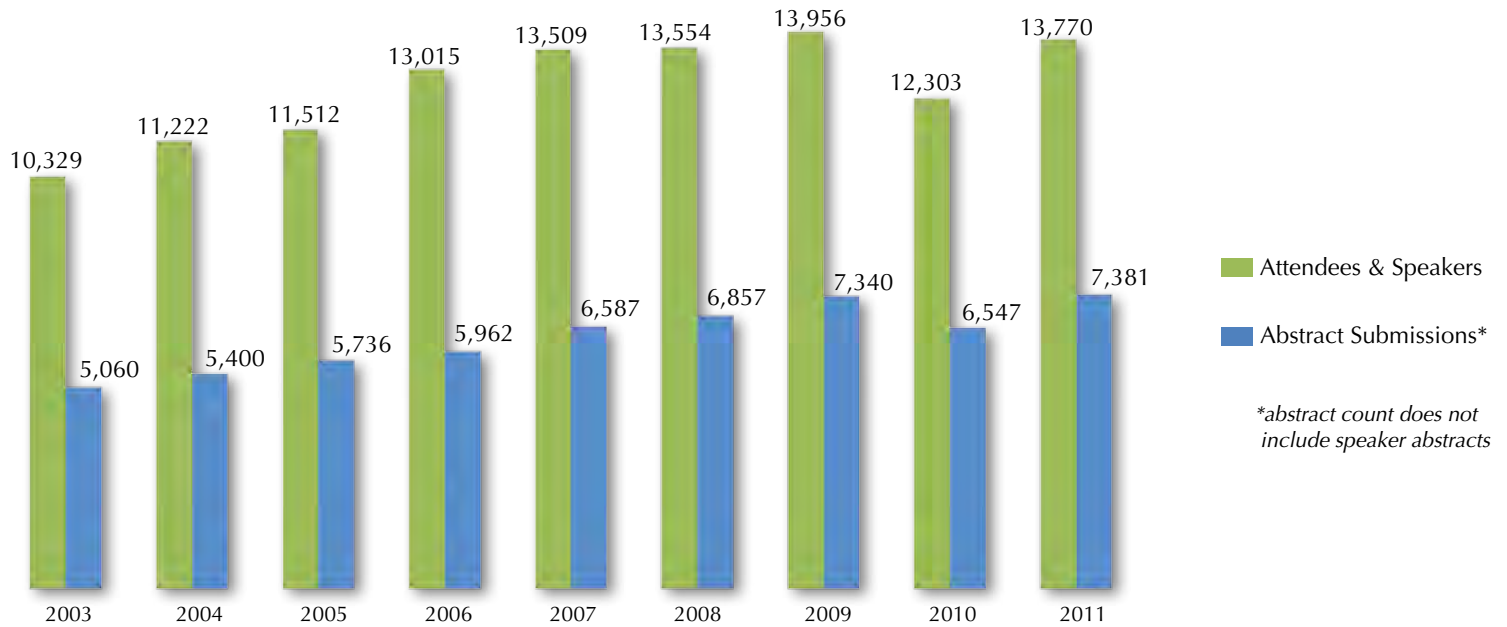


A full 84.5% of Keystone Symposia's expenditures go toward educational programs including meeting programs, scholarships, travel awards and diversity initiatives.

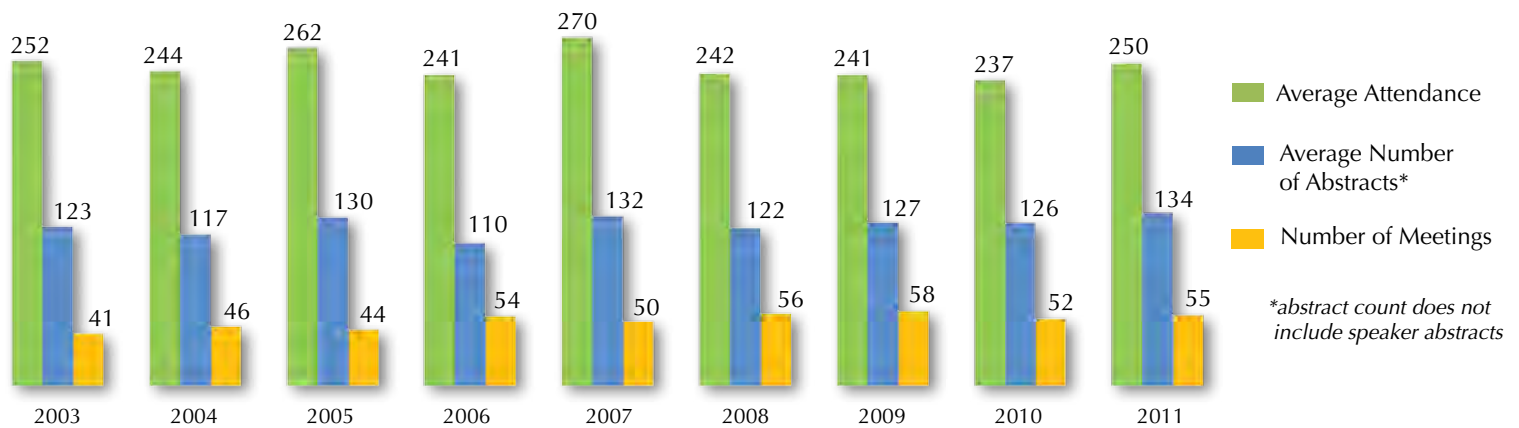
2011 REVENUE BREAKDOWN



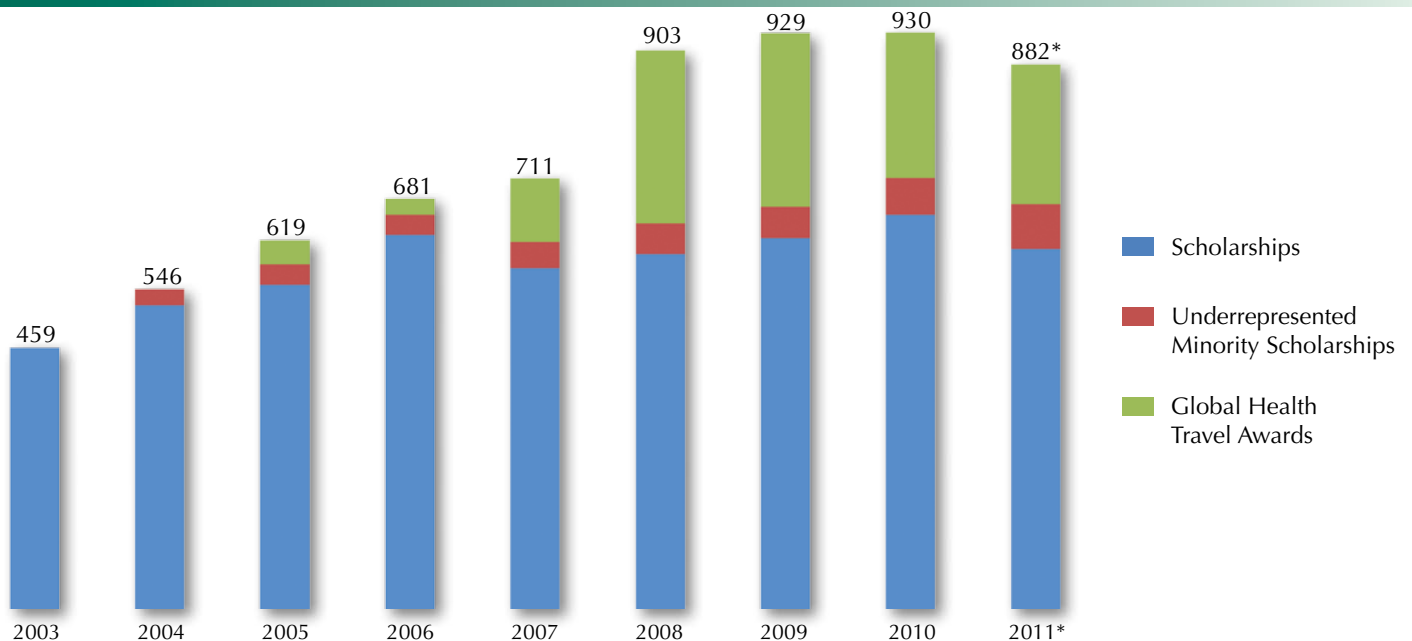
TOTAL MEETING ATTENDANCE & ABSTRACT SUBMISSIONS*



AVERAGE ATTENDANCE & ABSTRACTS* PER MEETING



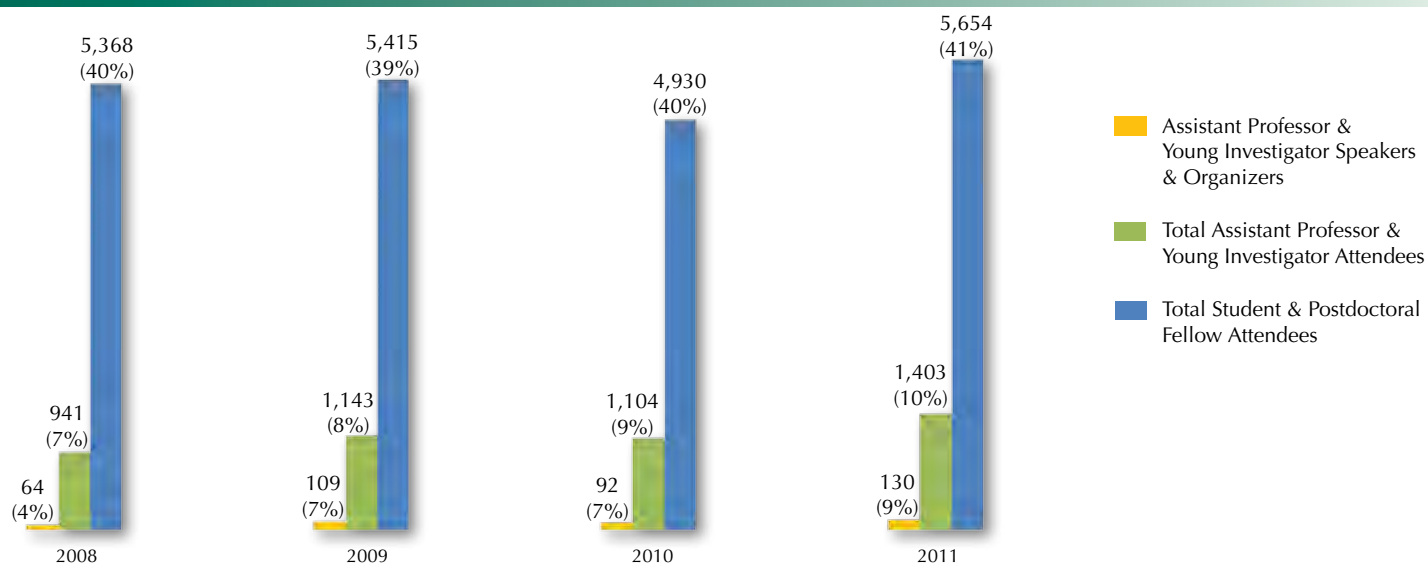
SCHOLARSHIPS & TRAVEL AWARDS



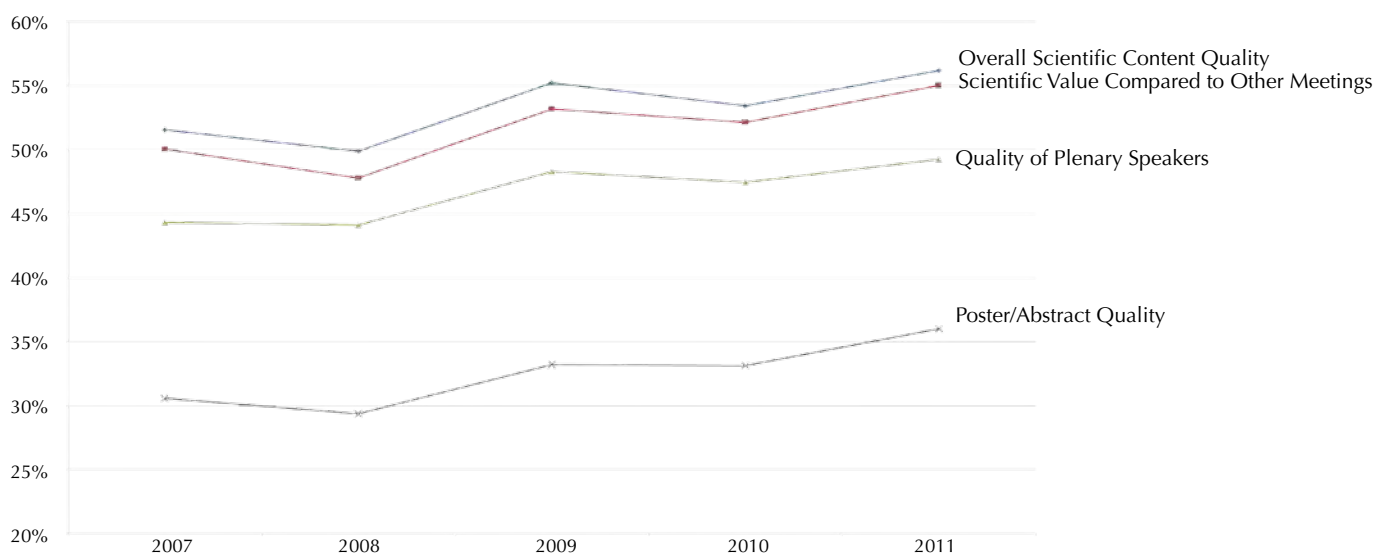
*Scholarship amount was increased from \$1,000 to \$1,200 in the 2011 season, which slightly reduced the total number awarded.

2011 BY THE NUMBERS (CONTINUED)

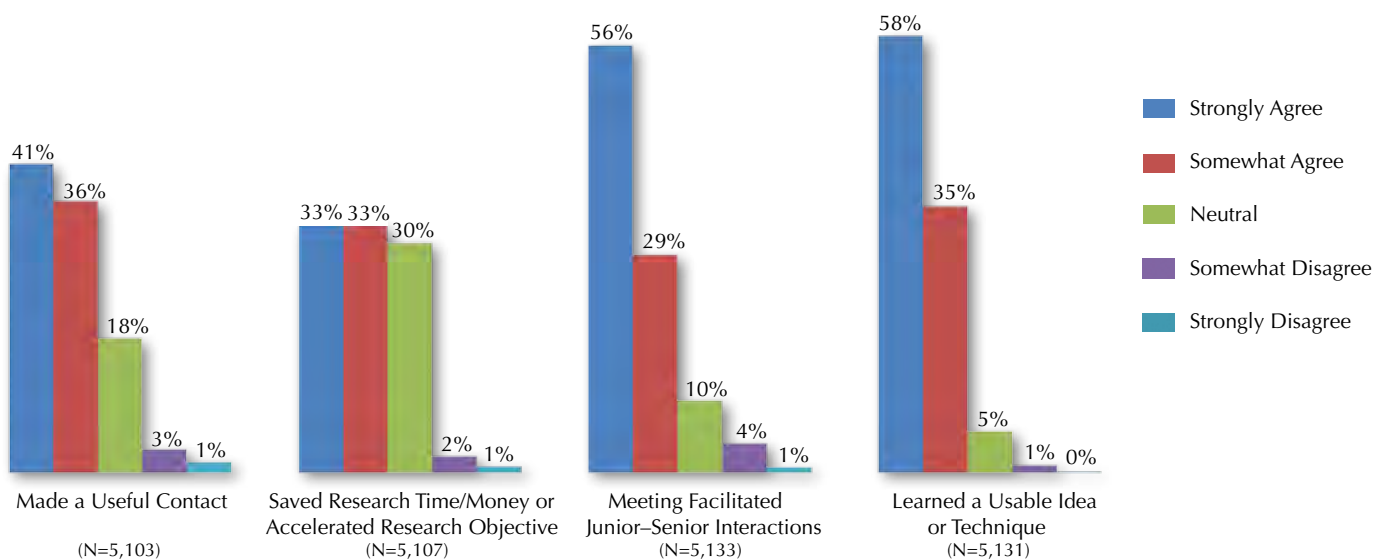
PARTICIPATION OF THE NEXT GENERATION OF INVESTIGATORS (ABSOLUTE NUMBERS & PERCENT OF TOTAL)



MEETING "EXCELLENT" RATINGS AS A PERCENT OF ALL RATINGS (BASED ON ATTENDEE SURVEYS)



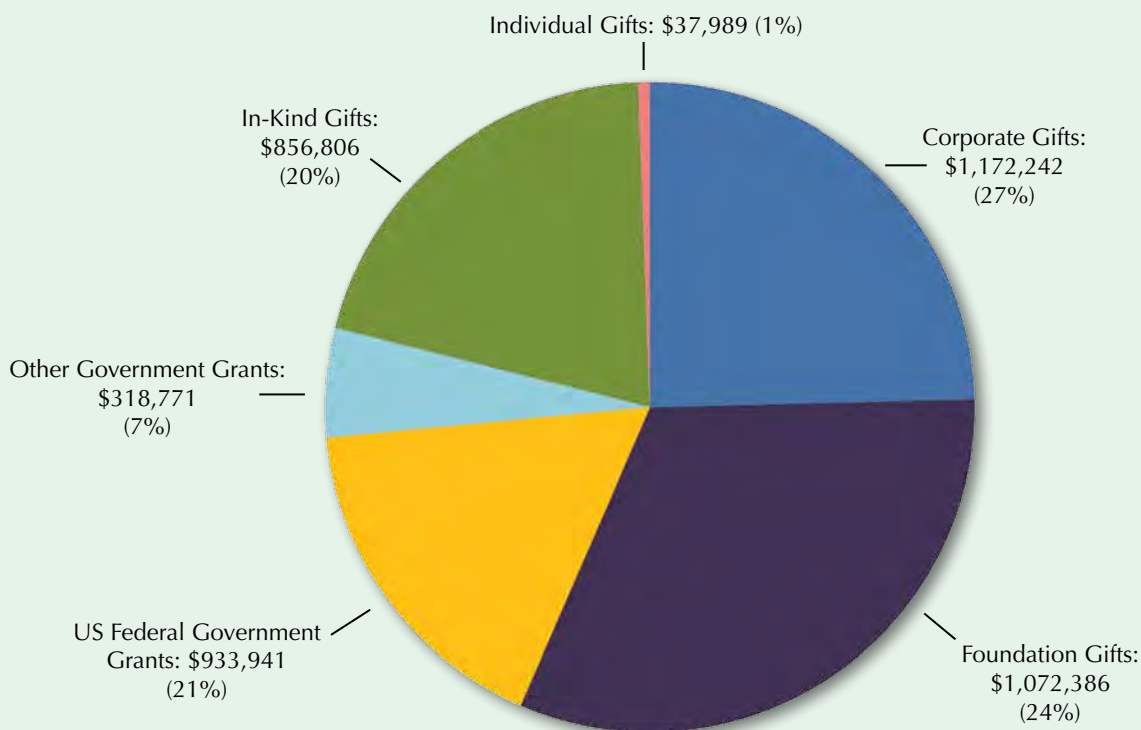
VALUE PARTICIPANTS GAINED FROM THE 2011 MEETINGS (BASED ON ATTENDEE SURVEYS)



DONOR SUPPORT

Keystone Symposia is fortunate to receive substantial ongoing support from the pharmaceutical and biotechnology industries, charitable foundations and individuals. We are also honored to be the recipient of numerous grants from the US National Institutes of Health and other government agencies around the world. These gifts and grants are used to provide scholarships for graduate students and postdoctoral fellows, travel awards for scientists from developing nations, and subsidies for the travel and lodging costs of scientific speakers from academic and other nonprofit laboratories and institutions.

For the 2011 meeting season and fiscal year, we received a total of **\$4.4 million** from government, corporate, foundation and individual sources, as shown in the chart below. This funding is crucial in supporting Keystone Symposia's mission to serve as a catalyst for the advancement of biomedical and life sciences and to accelerate applications that benefit humankind.



Keystone Symposia gratefully acknowledges donors who gave in the 2011 fiscal year. Their generous support makes possible the outstanding scientific quality of our meetings and unsurpassed opportunities for interaction and collaboration among participants. To make a gift, please contact the Development office by telephone at **970.262.1474** or by e-mail at chrisatwood@keystonesymposia.org. "Future of Science Fund" individual donations can also be made over the Internet at www.keystonesymposia.org/ScienceFund. And please visit our new website, www.ksgift.org, for more information on planned giving opportunities and becoming a member of The Keystone Society. This site also provides the opportunity to honor a mentor or loved one via a named fund.

Christopher Atwood, D.Min.
Director of Development, Keystone Symposia

DONOR SUPPORT (CONTINUED)

Note: The listings on this page and the next five pages reflect donations for the fiscal year beginning July 1, 2010 and ending June 30, 2011.

SUSTAINING BENEFACTORS

Donors making a three-year commitment of at least \$50,000 per year. Their generous support is crucial to sustain Keystone Symposia's ability to plan future scientific conferences focused on emerging topics and excellence in science.

Agency for Science, Technology and Research (A*STAR)
Bayer USA Foundation
Bill & Melinda Gates Foundation
National Institute of Diabetes and Digestive and Kidney Diseases, NIH
National Institute of General Medical Sciences, NIH, Minority Access to Research Careers (MARC)
Science Foundation Ireland
Takeda Pharmaceutical Company Limited

BENEFACTORS

Donors of \$50,000 or above. We are very grateful for their extraordinary commitment to our mission to connect the scientific community and accelerate discoveries that benefit society. Special thanks to those organizations that provide consistent, annual Benefactor-level support.

Educational donation provided by Amgen Inc.
Genentech, Inc.
Merck & Co., Inc.
Novartis Institutes for BioMedical Research
Novo Nordisk A/S
Office of AIDS Research, NIH
Pfizer Inc.

SUSTAINING SPONSORS

Donors making a three-year commitment of \$25,000 to \$49,999 per year. Their generous support is crucial to Keystone Symposia's ability to plan future scientific conferences focused on emerging topics and excellence in science.

Abbott Laboratories
Alnylam Pharmaceuticals, Inc.
Astellas Pharma Inc.
Celgene Corporation
Genzyme Corporation
Gilead Sciences, Inc.
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