



AMERICAN INSTITUTE OF
BIOLOGICAL SCIENCES

2022 Annual Report



www.aibs.org

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A Message from the President



Dear Friends and Colleagues,

As the president of the American Institute of Biological Sciences, it is my pleasure to invite you to review our annual report summarizing our 2022 accomplishments and some of our goals for the coming year.

Pandemic hardships resonated through 2022, but AIBS continued to serve the needs of the community. Please review our updated website (<https://www.aibs.org/>) for further information.

2022 marked the one year transition away from individual membership that allowed AIBS to focus on our member societies and organizations. We continued the process to identify opportunities for increased engagement with these groups. We facilitated roundtable discussions with our member societies and organizations to identify sustainable strategies to advance recommendations and requests you have shared with us in recent years. These strategies enabled AIBS to continue to increase engagement with member groups, now standing at 108.

We continue to provide professional development training opportunities for scientists. We are working now to deliver communications, policy, and team science training to more scientists and students across the country. We are also working to raise funds to underwrite our highly impactful Emerging Public Policy Leadership Award, or EPPLA. This program, now in its 19th year, recognizes outstanding accomplishments of biology graduate students interested in working at the nexus of science and public policy. Program alumni have gone on to work for members of Congress, federal agencies, and non-profit organizations where they have contributed to science-informed public policy decision-making. Our goal is to raise the funds necessary to provide this opportunity to more students.

Our science policy work remains a point of pride for AIBS. We continue to work aggressively with our members to offer compelling calls for new federal investments in research and education. We anticipate a continued need to help lawmakers understand how policy changes related to our scientific infrastructure (for example, peer review, journal publishing, and scientifically informed decision-making) shape scientific competitiveness and the effectiveness of our public health, security, economic, and environmental public policy.

Our journal, *BioScience*, remains a leading source for biological sciences information. We are pleased to report that our impact – measured by impact factor and article downloads – once again increased in 2022. Released in the summer of 2022, *BioScience*'s 2021 Impact Factor of 11.566 puts us at number 2 in the general biology category, which is a great spot to be in a journal category consisting of more than 90 journals. This is great news, and we look forward to fielding even more submissions, particularly from scientists interested in sharing overview papers that synthesize the biological sciences. As always, we continue to welcome articles that share policy perspectives,



explore ethical dimensions of the life sciences, and challenge our community to reconsider how we do our work, in the classroom, lab, or office. *BioScience* continues to champion the societal importance of the disciplines represented by our members.

One of our strategies for advancing the life sciences and promoting informed decision-making is our peer-review work. In addition to providing world-class scientific review and administrative support services for public and private research funding organizations, we conduct and share research that informs best practices in peer review. One of our goals is to find methods for identifying and mitigating implicit bias. In the yearly report you can find a link to AIBS authored journal articles that quantify bias and inform how to optimize practices in the peer-review process. We continue to diversify in our peer-review clients, which better ensures that AIBS will be able to serve our member societies and organizations.

Events during these recent years brought the inherent and systematic inequalities within our society to the forefront of awareness. AIBS is committed to a culture of inclusion, diversity, equity, and acceptance within the scientific community and the organization. This ideal serves as one of the core fundamentals that inspires our action and vision and now unifies all of the AIBS programs. AIBS was able to secure funding from NSF and the Doris Duke Foundation to engage AIBS member societies and other groups to enhance inclusive, diverse, equitable, and accepting (IDEA) scientific environments. The IDEA 2.0 conference was held in Fall 2022. It provided a forum for leaders and staff of more than thirty societies and organizations to engage in shared learning, discussion, and reflection on a range of topics. A summary report of conference outcomes will be published in 2023.

Whether in the pages of *BioScience*, analyses of the peer-review process, or our professional development training, we are committed to leveraging the community's voice to ensure a more equitable, diverse, inclusive, and accepting society.

In all of these endeavors, we look forward to working with our members and business partners. As you review this document, I invite you to consider how you and your organization might engage with us to advance our shared goals.

Finally, after having the privilege of serving on the AIBS Board for twelve years, the last four as President, I have stepped away from the Board. I am happy to relate that Judy Skog has now taken over the responsibility of AIBS President. The Board continues to be a great asset to AIBS through its diverse perspectives and backgrounds. It was inspiring to be closely connected to a Staff and Board that is so very dedicated to serving the interests of our community.

Sincerely,

Charles B. Fenster, Ph.D.
AIBS President



Who We Are

The American Institute of Biological Sciences (AIBS) is a nonprofit 501(c)(3) scientific association dedicated to advancing the biological sciences to promote increased understanding of all life. AIBS was formed with a vision of bringing together the organizations and individuals that advance the biological sciences to work together on matters best addressed through united action. Founded in 1947 as a part of the National Academy of Sciences, AIBS became an independent, member-governed organization in the 1950s. Today, AIBS has more than a hundred member organizations and is headquartered in Herndon, VA. Staff members work to achieve its mission by publishing the peer-reviewed journal *BioScience*, by providing scientific peer review and advisory services to a variety of funding organizations, and by collaborating with scientific organizations to advance public policy, education, and the public understanding of science. AIBS continues to adapt its programs to the rapid social, technological, and economic changes that are influencing the practice of the life sciences.



Who We Work With

AIBS works with any stakeholder that advances the field and profession of biology. Organizations and individuals partner with us on initiatives, work with us to identify and communicate matters of common concern, and help connect us to their communities for idea and information exchange—particularly regarding public policy, research, education, public understanding of science, and matters of professional concern. AIBS has member societies and organizations that support our work. AIBS supports a diverse client base ranging from government agencies to scientific institutions to nonprofit and for-profit entities that use our expert services to inform their funding decision-making.



Our Vision

To advance the biological sciences to promote increased understanding of all life.

Our Mission

To promote the use of science to inform decision-making and advance biology for the benefit of science and society.

Achieving Our Mission

AIBS works toward its outcomes through three programmatic areas:

- Scientific Peer Advisory and Review Services for research proposals and programs sponsored by funding organizations, including the federal government, state agencies, private research foundations, other non-government organizations and community education about the science of peer review.
- Community Programs that advance the field and profession of biology while promoting and providing leadership, with a particular emphasis on public policy and advocacy, education and professional development, as well as public awareness of science.
- Publications and Communications, including reliable reports, analyses, and the peer-reviewed journal *BioScience*, which is a forum for integrating the life sciences and educating the public about biological sciences.

Scientific Peer Advisory and Review Services

Independent, highly credible, subject matter expert peer review is critical for rigorous science. Recognized as a center of excellence for peer review, we work with a diverse group of scientific funding organizations and in a wide range of scientific disciplines to provide peer review of proposed, ongoing, or past research. As a Valued Partner in Science[®], our goal is to plan, coordinate, and facilitate highly reputable advisory services to support informed decision-making.

In 2022, during a period of organizational growth and continued transformation, AIBS remained agile to meet the changing needs of clients to continue to support important scientific research. Furthermore, we were able to expand our base and initiated strong relationships with several new funding organizations. Over the past year, our work involved research efforts focused on several areas, including but not limited to: psychological health, several cancer programs, developmental biology, heart disease, environmental conservation, emergency medicine, infant mortality, gastrointestinal health, infectious diseases, marine science, neurodegenerative disease, and spinal cord injury. Some specific expertise that was brought to bear in these reviews included: clinical trials, animal research, device development, technology transfer, regulatory approval, intellectual property rights, and commercialization.

During this transformational year, we continued to refine and expand capabilities of the SCORES[®] software suite, which has supported AIBS peer review processes since 2007. This modern, cloud-based platform was developed in-house and, with our expert review management staff, is used to efficiently facilitate all steps of material submission and review.

As the leader in the Science of Peer Review, we analyze and publish research on the peer review process to not only inform our own work but also to optimize peer-review practices in the greater scientific community. In 2022, AIBS continued to contribute to the Science of Peer Review, analyzed review data and published the results; we continued to inform our own review processes and added to the literature base of the greater scientific community so that peer review practices in general can be optimized.



Our National Science Foundation grant entitled “Risk Preference and Reviewer Scoring” ended in 2022, which resulted in a publication in Plos One on the main results as well as two other manuscripts submitted (one on participants’ perceptions of grant review and one on undergraduate knowledge of peer review). We continued our work with collaborator, Dr. Karen Schmaling, focusing on gender bias, not only using the results of the NSF grant, but also on a systematic literature review on research funding. We also continued our collaboration with Dr. Elena Erosheva on using both ranking and rating processes in peer review, and submitted a manuscript on the subject. We also examined the diversity of *Bioscience* authorship and looked at its relationship to authorship characteristics. Additionally, we considered participation levels of scientists from minority serving institutions, comparing these to levels of scientists from traditionally white institutions. And finally, we continued to bolster our bibliography of studies on peer review, as well as added to our available open data sets on the subject, available here: <https://www.aibs.org/spars/bibliography.html#aibs-papers>.

Publications

Since 1964, AIBS has helped biologists, policymakers, educators, students, and members of the general public make informed decisions about the life sciences by publishing expert-vetted and highly cited articles in its flagship journal, BioScience.

2022 marked the conclusion of Scott L. Collins's second three-year term as Editor in Chief of *BioScience*. Stepping into the role will be Charles B. Fenster, professor and director of the Oak Lake Field Station at South Dakota State University. Dr. Fenster previously served as a member of AIBS's Board of Directors, its treasurer, and a two-term president.

In 2022, *BioScience* articles were downloaded 2,133,213 times, in line with our typical performance. Our readership numbers were supported by the 2022 update to the "World Scientists' Warning of a Climate Emergency." Another strong performer was "Rewilding the American West," a commentary calling for the reintroduction of wolves and beavers across their historical US range. The accompanying press release was downloaded over 110,000 times and the commentary was extensively discussed in the media. Usage was further buoyed by a special section marking the 40th anniversary of the US National Science Foundation's Long Term Ecological Research (LTER) Network.



**BioScience's 2021
Impact Factor
reached 11.566**



BioScience continued its work in the diversity, equity, and inclusion space, publishing articles including Ash Zemenick and colleagues' "Six Principles for Embracing Gender and Sexual Diversity in Postsecondary Biology Classrooms" and Sara Bombaci and Liba Pejchar's "Advancing Equity in Faculty Hiring with Diversity Statements," which outlines a framework for diverse hiring practices.

Released in summer of 2022, *BioScience*'s 2021 Impact Factor reached 11.566, another all-time record and a significant jump from the prior year. The new score maintains the journal's position as second in Clarivate's general biology category.

Information Technology Office

During 2022, AIBS's Information Technology Office enjoyed supporting and advising the organization on a range of initiatives. Our goals were to use modern technology to improve overall strategic outcomes, better support the organization's clients, increase engagement with AIBS's audiences, and to ensure modern, high performing, secure, and compliant services underpinned all efforts.

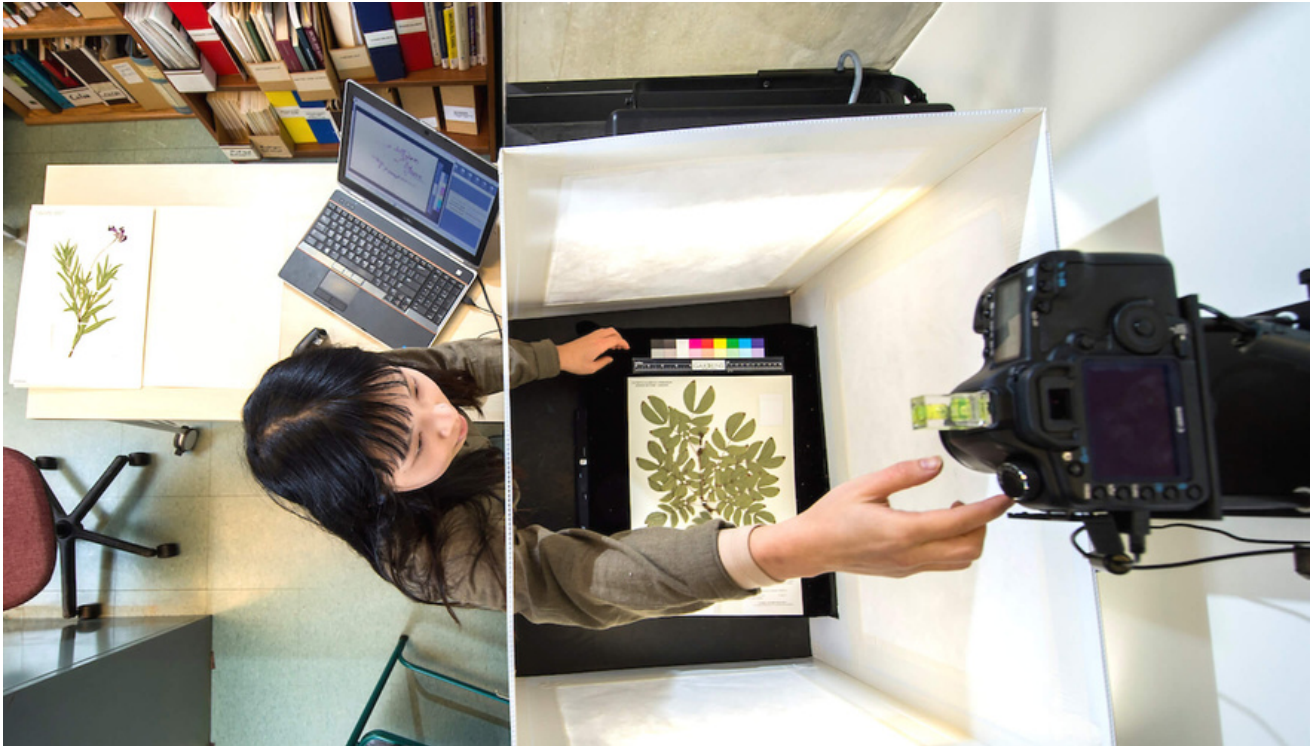
We provided technology assistance for AIBS partners like the Natural Science Collections Alliance, the Biodiversity Collections Network, and supported AIBS's Board of Directors via electronic voting and employee review services.

Throughout the year, we supported many peer review clients. We delivered new features and high availability to the SCORES® peer review software suite, managed our clients' presence in our proposal solicitation portal, and imported and exported peer review data for their projects.

Secure computing is an ever-present responsibility, and over the year we were reviewed by a third party for vulnerabilities, began a project to ensure our staff computers were security standard conformant, continued educating and testing staff on general cyber security and detecting phishing attempts, and created a living document for our clients which describes our approach to ensuring service and data security, availability, and redundancy.

We deployed new computers and software to our staff, and we donated our old computers to a group providing technology for children in need.

We continued to learn about applicable laws which govern holding personally identifiable information, and because compliance is a shared responsibility, began to work with staff to ensure their own understanding and obligations as well.



Improving diversity, equity, and inclusion is a critical component of all AIBS's efforts. During the year, the ITO supported our IDEA Conference 2.0, and we also reviewed and responded to staff member ideas about accessible computing.

We expect 2023 to be as busy, productive, and impactful as 2022, and hope our efforts allow AIBS to provide quality services to our audiences and clients, and to actively deliver its mission, for the benefit of science and society.

Community Programs

The AIBS Community Programs Division is home to membership services, science policy and advocacy programs, communications programs, professional development and education programs, the AIBS Council Meeting, and scientific programs and workshops. Uniting these programs, and connecting these initiatives to other AIBS programmatic areas, is critical to the organizational goal of promoting informed decision-making that advances biology for the benefit of science and society.

AIBS continued to actively engage current and potential Member Society and Organizations (MSO) in virtual meetings to discuss new and ongoing initiatives among our organizations. These calls explored synergies and ways to further our collaborations to promote the use of science to inform decision-making.

In 2022, AIBS worked with key lawmakers and our partners in the scientific community to secure passage of the historic CHIPS and Science Act. This landmark law supports major new investments in the U.S. science and technology enterprise, including doubling the National Science Foundation's (NSF) authorized budget over five years and significantly expanding the authorized budgets for the Department of Energy Office of Science and the National Institute of Standards and Technology. We worked with our members and partners to ensure that language supporting biological collections and field stations were included in the finalized CHIPS and Science Act. AIBS continued to provide scientists—from early career to senior scientists and program leaders—with science policy and communications training in both virtual and in-person formats. In addition, AIBS sustained its commitment to early career scientists by recognizing graduate student leaders with the Emerging Public Policy Leadership Award.



AIBS worked with key lawmakers and our partners in the scientific community to secure passage of the historic CHIPS and Science Act



The AIBS public policy office continued to strongly advocate for increased federal investments in scientific research, provide timely input on new federal policies and initiatives, and facilitate meetings between scientists and lawmakers. Among our accomplishments in 2022 were:

- Worked with our science community partners to secure notable funding increases for science in fiscal year 2023, including a \$1 billion or 12 percent boost for NSF—the largest funding increase the agency has ever received.
- Helped 112 scientists become advocates for science.
- Through the USA Nagoya Protocol Action Group, provided input to the U.S. State Department and United Nations Convention on Biological Diversity stakeholders on policy options for access and benefit sharing of digital sequence information.
- Increased awareness of the needs of the biological sciences community by facilitating 62 meetings between scientists and lawmakers.
- Weighed in on the Supreme Court’s Waters of the United States case by filing an amici curiae brief with 11 other scientific societies.
- Secured inclusion of nearly all provisions of the Tracking Pathogens Act, a legislation aimed at strengthening pathogen genomics surveillance, in the fiscal year 2023 omnibus spending package.
- Endorsed and provided input on the One Health Security Act, a bill aimed at enhancing interagency coordination, streamlining funding, and strengthening early warning and detection networks to rapidly respond to biological threats.
- Facilitated a science briefing for policymakers, in partnership with the Association of Ecosystem Research Centers, on the role of Horizon Scanning in ecosystem research.

AIBS continues to expand the delivery of professional development programming, providing training courses to scientists ranging from early career to senior researchers. In addition to offering in-person courses in Washington, DC and at professional society meetings and universities across the country, all of our professional development programs are also offered in an online format. In 2022, 162 scientists participated in our professional development programs, which include the AIBS Communications Boot Camp for Scientists, Writing for Impact and Influence, Enabling Team and Interdisciplinary Science, and Employment Acquisition Skills Boot Camp for Scientists.



In 2022, we further solidified our commitment to changing the culture of biology. Over October and November, AIBS convened the IDEA Conference 2.0—a follow-up to the 2021 meeting of the AIBS Council of Member Societies and Organizations, Enabling Scientific Societies to Support Inclusive, Diverse, Equitable, and Accepting (IDEA) Scientific Environments. Supported by NSF and the Doris Duke Foundation, the IDEA Conference 2.0 focused on society commitment to IDEA. It started with a series of virtual mini-sessions that explored societies’ internal structure, external communication, and assessment, and culminated with a half-day virtual Council meeting. The meeting provided a forum for leaders and staff of more than thirty societies and organizations to engage in shared learning, discussion, and reflection on a range of topics. A summary report of conference outcomes will be published in 2023.

AIBS Looking Forward

A diligent Board of Directors and staff will position AIBS to emerge from the many challenges faced by the pandemic.

AIBS efforts to work with the like-minded organizations that collectively serve the biological sciences community will continue. We strive to maximize our impact by leading national scientific discussions that gather and synthesize information to inform decisions made in support of scientific research and education endeavors.

AIBS is taking intentional steps to increase diversity, equity, and inclusion (DEI) in the biological sciences. In 2022, the Board of Directors approved the second AIBS Diversity Plan for years 2022-2024, continuing our steadfast commitment that includes multiple priorities identified in three main areas: assessment, communication, and training. AIBS refined tasks and completed the activities toward accomplishing many goals. As part of our Diversity Plan, AIBS remains committed to focusing the annual Council Meeting of Member Societies and Organizations (MSOs) on DEI related topics. AIBS was awarded a LEADING cultural change through Professional Societies (LEAPS) of Biology conference grant by the National Science Foundation for the IDEA Conference. The IDEA Conference, also known as the Enabling Scientific Societies to Create Inclusive, Diverse, Equitable, and Accepting (IDEA) Scientific Environments Conference, consisted of 2 meetings, one held in 2021 and the second (IDEA 2.0) held in 2022. The IDEA Conference 2.0 was funded via the LEAPS conference grant and received additional support from the Doris Duke Foundation. The successful conferences laid the foundation for additional collaboration with dozens of organizations, specifically focusing on identifying barriers to IDEA scientific environments, focusing on internal organization structure, external communication, and assessment.

The Public Policy Office (PPO) engaged with policymakers and the scientific community at large to ensure their decisions were based on credible science and responsive to the biological sciences community. The PPO continued to provide excellent analysis and insights to the scientific community to assist them in



understanding and advocating decisions that impact biological research and education. We worked diligently to support the passage of the historic CHIPS and Science Act, a major step toward ensuring the United States is positioned as the global leader in science and technology. We continued to enable scientists to engage in the federal budget process, and advocate to ensure Congress follows through in funding scientific agencies at the levels authorized by the law. We worked with the broader scientific community through several of our initiatives to secure robust federal funding.

AIBS continued to advocate for policies to strengthen biodiversity-related and biodiversity-enabled research. Through the Biodiversity Collections Network (BCoN), we ensured that important provisions supporting biological collections were included in the finalized CHIPS and Science Act. In 2023, we will continue to engage the research community and federal decisionmakers to inform the implementation of these provisions.

In 2022, we also worked to urge policymakers to ensure open access to genetic sequence data, to urge investments in pathogen sequencing and surveillance, to oppose legislative provisions that would restrict federally funded research projects focused on gain of function research, to support legislation to enhance federal scientific integrity policies, to urge investments in agricultural research and innovation that improves climate outcomes, and to promote research-based efforts to prevent gun violence.

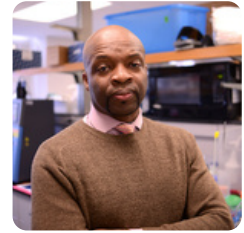
In 2023, AIBS will continue to work with a diverse group of organizations that fund research in a wide range of scientific disciplines. We will provide merit review and scientific program analysis, program management and other support services to funding organizations and other research programs that seek independent, unbiased, high-quality, and vetted information to guide scientific research funding decision-making. Our work as a Center of Excellence in the Science of Peer Review will continue as we conduct new research on peer review, publish our findings in peer-reviewed journals, continue to expand and diversify our database of subject matter experts, participate in scientific conferences, and collaborate with organizations that seek to partner with us on peer review and related scientific support.



We will continue to work to increase the readership, use, and impact of our *BioScience* articles. To further increase public and scientific community access to timely research findings, we will continue to produce our podcast, *BioScience Talks*, and work to increase the diversity of authors and podcast participants. We will publish podcasts and articles on topics related to diversity, equity, and inclusion and by authors who are members of underrepresented minority groups. We will also continue to expand and diversify the expertise and perspective of the *BioScience* Editorial Board.

Through these efforts and all other initiatives undertaken in 2023, AIBS will remain steadfast to our mission to promote the use of science to inform decision-making for the benefit of biology and society while we strive to meet our vision of improving our understanding and appreciation of all life.

Board of Directors



Row 1: Michael Cato, Gabriela Chavarria, Todd Crowl, Charles Fenster, De'Broski Herbert; **Row 2:** Betsy Myers, Raymond Mejía, Eric Nagy, Richard Nakamura, Kathie Olsen; **Row 3:** Susan Perkins, Steward Pickett, Clifton Poodry, Muriel Poston, Krissa Skogen; **Row 4:** Pamela Soltis, Michael Willig



Board Officers

Charles Fenster
President
South Dakota State
University
2021–2022

Charles Fenster is a Professor of Biology at South Dakota State University. His research is focused on using plants as model organisms to study evolutionary process, as well as using basic ecological and evolutionary principles to inform conservation and agricultural policy. He has served as Executive Vice President of the Society for the Study of Evolution and served on the AIBS Board from 2011–2022, including several executive positions. He holds a Ph.D. from the University of Chicago.

Eric Nagy
Vice President
University of
Virginia
2022–2023

Eric Nagy is a Professor of Biology at the University of Virginia, and Associate Director of Mountain Lake Biological Station (MLBS). His research focuses on the ecological, reproductive, and selective dynamics driving the evolution of plant populations. He holds a Ph.D. from the University of California, Davis. Eric's work at MLBS concentrates on research and instructional support. He enjoys building the structure and organization needed for field-based science and learning. At MLBS he directs university and NSF-funded programs and spearheads advancements in scientific services and infrastructure that serve researchers and students.

Steward T.A. Pickett
Secretary
Cary Institute of
Ecosystem Studies
2020–2022

Steward Pickett is an ecologist with Cary Institute of Ecosystem Studies whose work focuses on spatial heterogeneity in community and landscape structure and dynamics. Pickett has contributed more than two decades of research and community engagement in the Baltimore Ecosystem Study, and through comparative international research, has improved understanding of urban regions worldwide as social-ecological systems. He holds a Ph.D. from the University of Illinois at Urbana–Champaign.

Michael G. Cato
Treasurer
Bowdoin College
2020–2022

Michael Cato is Senior Vice President and Chief Information Officer at Bowdoin College, where he facilitates all aspects of information technology strategy. Previous positions include Chief Information Officer at Vassar College, and IT leadership roles at UNC Charlotte and UNC Chapel Hill. Affiliations include the Higher-Ed IT associations EDUCAUSE, NERCOMP, CAUDIT, and the IT Senior Management Forum. He holds a B.S. in Zoology from Andrews University and an M.B.A. from Wake Forest University.

Pamela Soltis
*Council
Representative*
American Society of
Plant Taxonomists
2022–2024

Pamela S. Soltis is a Distinguished Professor and Curator in the Florida Museum of Natural History and Director of the Biodiversity Institute at the University of Florida (UF). She is Director for Research at iDigBio, the NSF-funded national center for digitization of biodiversity collections. She received a Ph.D. in Botany from the University of Kansas, and an Honorary Doctorate of Humane Letters from Central College. She is the Past President of the American Society of Plant Taxonomists, the Botanical Society of America, and the Society of Systematic Biologists

Board Members Elected by the Board

Gabriela Chavarria
Burke Museum of
Natural History
and Culture at the
University of
Washington,
Seattle
2022-2024

Gabriela Chavarria is currently the Executive Director at the Burke Museum of Natural History and Culture at the University of Washington. She is responsible for providing a vision and leadership for the new Inside-Out model of Museum, while caring for and sharing natural and cultural collections so all people can learn, be inspired, generate knowledge, feel joy, and heal. Previously, she was the Vice President and Chief Curator of the Science Division at the Denver Museum of Nature & Science. She received her Ph.D. in Organismic and Evolutionary Biology from Harvard University. She became an American Association for the Advancement of Science Fellow in 2021.

Todd Crowl
Florida
International
University
2022-2024

Todd Crowl is Professor and Director of the Institute of Environment at Florida International University. He is also the director and lead PI of FIU's NSF Center of Research Excellence in Science and Technology. Prior to joining Florida International, he served as an NSF program officer leading the Long-term Ecological Research Program and was the director and lead PI of the NSF iUTAH EPSCoR program. He holds a PhD from the University of Oklahoma.

De'Broski Herbert
University of
Pennsylvania
2020-2022

De'Broski R. Herbert is Associate Professor of Infectious Immunology in the Department of Pathobiology at the University of Pennsylvania. His laboratory is investigating mechanisms of host protection against helminthes, Type 2 inflammation, and the resolution of chronic mucosal inflammation in several model systems. He received a Ph.D. in Immunology from Thomas Jefferson Medical College and completed his postdoctoral training at the University of Cape Town.

Betsy Myers
Doris Duke
Foundation
(retired)
2022-2024

Elizabeth (Betsy) Myers is retired from the position of Program Director for Medical Research at the Doris Duke Foundation, where she worked to advance the understanding, diagnosis, and treatment of human disease by strengthening and supporting biomedical research. She has a BS from Duke University and PhD from Rensselaer Polytechnic Institute. She held academic appointments as instructor and assistant professor at Harvard Medical School and associate professor at Weill Medical College of Cornell University.

Board Members Elected by the Board

Richard Nakamura
National Institutes
of Health (Retired)
2020–2022

Richard Nakamura is retired from the National Institute of Health, where he served as Director of the Center for Scientific Review, NIH, and as Scientific Director and Deputy Director of the National Institute of Mental Health. He holds a Ph.D. in Psychology from SUNY Stony Brook.

Kathie Olsen
KLO International,
LLC
2020–2022

K. L. Olsen, a neuroscientist, is Founder and President of KLO International, a consulting company that provides guidance, strategic planning, and review for individuals, institutions, and governments, both domestic and foreign, on science and engineering research. KLO International is the culmination of a distinguished career. Previous positions include Deputy Director and COO of the National Science Foundation, Associate Director of Science of Office of Science and Technology Policy in the Executive Office of the President, and NASA Chief Scientist.

Clifton Poodry
University of
Oregon
2022–2024

Clifton Poodry is a retired Senior Fellow in the Science Education Department at Howard Hughes Medical Institute (HHMI). Prior to joining HHMI, he served as the Director of the Training, Workforce Development, and Diversity Division at the National Institute for General Medical Sciences (NIGMS), NIH, for 20 years. Prior to this work, he was a Professor of Biology at the University of California, Santa Cruz, and did a rotation as a Program Director in Developmental Biology at NSF. He received a Ph.D. in Biology from Case Western Reserve University.

Muriel Poston
Pitzer College
2022–2024

Muriel Poston is Professor Environmental Analysis at Pitzer College, where she previously served as Dean of the Faculty/Vice President for Academic Affairs. Within the Claremont Colleges she has also served as Vice President for Strategic Initiatives at Claremont McKenna College. Prior to joining Pitzer, she held positions at the National Science Foundation, Skidmore College, and Howard University. She was elected as a Fellow by the American Association for the Advancement of Science. She received a J.D. from the University of Maryland and a Ph.D. from the University of California, Los Angeles.

Board Members Elected by the AIBS Council of Member Societies and Organizations

Raymond Mejía
Society for
Mathematical
Biology
2020–2022

Raymond Mejía retired at the National Institutes of Health as a Math Biology Scientist in 2007. He was President of the NIH Hispanic Employee Organization in 2000. He is currently a guest worker at the Laboratory of Cardiac Energetics in the Systems Biology Center at NHLBI, NIH. He is a member of the Society for Mathematical Biology, Society for Industrial and Applied Mathematics, American Mathematical Society, and American Association for the Advancement of Science. He holds an M.A. from the University of Maryland.

Susan Perkins
American Society
of Parasitologists
2022–2024

Susan Perkins has been the Martin and Michele Cohen Dean of Science at the City College of New York since 2020. Prior to joining CCNY, Dr. Perkins held positions at the American Museum of Natural History, NSF, Division of Environmental Biology, and the University of Colorado. She was the President of the American Society of Parasitologists from 2017–2018 and a Council Member for the Society of Systematic Biologists in both 2012–2015 and 2018–2021. She holds a PhD from the University of Vermont.

Krissa Skogen
Botanical Society
of America
2020–2022

Krissa Skogen, Ph.D., is an associate professor at Clemson University. Dr. Skogen’s research focuses on plant reproduction, pollination and interactions between plants and animals and she is committed to plant conservation efforts, including investigating the impacts of anthropogenic factors on plants and pollinators. She currently serves as co-chair on the Public Policy Committee of the Botanical Society of America.

Michael Willig
University of
Connecticut
2020–2022

Michael Willig is the Executive Director of the Institute of the Environment and Board of Trustees Distinguished Professor of Ecology and Evolutionary Biology at the University of Connecticut. His work focuses on application of quantitative and statistical techniques to understand ecological dynamics in time and space, as well as conservation of biodiversity. He has held positions as program officer in the Ecological Studies Cluster and division director for Environmental Biology, both at NSF. He has served on the Board of Directors for the American Society of Mammalogists, and the Conservation International’s Tropical Ecology Assessment and Monitoring Program. He holds a Ph.D. from the University of Pittsburgh.

Our Team



Diane
Bosnjak



DaJoie
Croslan



Arati
Deshmukh



Stephen
Gallo



Scott
Glisson



Ian
Johnson



Syreeta
Jones



Michael
LeMaster



Jyotsna
Pandey



Jennifer
Petitt



Joanne
Sullivan



Lisa
Thompson



James
Verdier



Joel
Wagener

AIBS Past Presidents

Throughout its history, AIBS has benefited from the leadership of many distinguished individuals on its Board. The list of presidents is presented below. To ensure better continuity in AIBS's vision, AIBS presidents are now required to serve for two consecutive years, with the potential for re-election.

2013–2018 Joseph Travis
2012 Susan Stafford
2011 James P. Collins
2010 Joseph Travis
2009 May R. Berenbaum
2008 Rita R. Colwell
2007 Douglas J. Futuyma
2006 Kent E. Holsinger
2005 Marvalee H. Wake
2004 Joel Cracraft
2003 Gary S. Hartshorn
2002 Gene E. Likens
2001 Judith S. Weis
2000 Alan P. Covich
1999 Gregory J. Anderson
1998 Gary W. Barrett
1997 Frances C. James
1996 John E. Burris
1995 W. Hardy Eshbaugh
1994 Harold A. Monney
1993 Diana W. Freckman
1992 Thomas Lovejoy
1991 Paul G. Risser
1990 Paul R. Ehrlich
1989 John P. Jordan
1988 Boyd Strain
1987 H. Edward Kennedy
1986 W. Donald Duckworth
1985 C. Herb Ward
1984 Peter H. Raven

1983 Kendric C. Smith
1982 Forest Stearns
1981 Winslow R. Briggs
1980 Beatrice M. Sweeney
1979 Paul B. Siegel
1978 Paul G. Pearson
1977 George Cries
1976 Robert Gordon
1975 David M. Gates
1974 George Sprugel, Jr.
1973 Robert W. Krauss
1972 W. Frank Blair
1971 David E. Davis
1970 George L. McNew
1969 LaMont C. Cole
1968 William D. McElroy
1967 J. Roger Porter
1966 Clement Markert
1965 Kenneth V. Thimann
1964 Paul J. Kramer
1963 James D. Ebert
1962 Frits Went
1961 Tracy Sonneborn
1959–1960 James G. Dickson
1957–1958 Wallace O. Fenn
1954–1956 H. Bentley Glass
1952–1953 Ted C. Byerly (Chairman)
1951 Frank P. Cullinan (Chairman)
1949–1950 Elmer G. Butler (Chairman)
1948 Ralph E. Cleland (Chairman)

Financial Summary

	December 31,	
	<u>2022</u>	<u>2021</u>
Assets		
Current Assets		
Cash & cash equivalents	\$794,929	\$1,081,908
Investments	1,149,377	1,267,692
Accounts receivable, net	727,437	976,902
Prepaid expenses	19,128	15,239
Total Current Assets	<u>\$2,690,871</u>	<u>\$3,341,741</u>
Property and Equipment, net Other Assets	24,463	16,600
Total Assets	<u><u>\$2,715,334</u></u>	<u><u>\$3,358,341</u></u>
Liabilities & Net Assets		
Current Liabilities		
Loan Payable	\$2,668	--
Accounts Payable and Accrued Expenses	300,288	\$312,452
Deferred Revenue	458,224	439,874
Total Current Liabilities	<u>\$761,180</u>	<u>\$752,326</u>
Long-Term Liabilities		
Loan payable, net of current portion	147,332	150,000
Deferred Revenue	--	75,000
Total Liabilities	<u>\$908,512</u>	<u>\$977,326</u>
Net Assets		
Unrestricted		
Undesignated	\$1,272,716	\$1,829,756
Board designated	533,439	533,439
Total Unrestricted Net Assets	<u>\$1,806,155</u>	<u>\$2,363,195</u>
Restricted	667	17,820
Total Net Assets	<u>\$1,806,822</u>	<u>\$2,381,015</u>
Total Liabilities & Net Assets	<u><u>\$2,715,334</u></u>	<u><u>\$3,358,341</u></u>

Financial Summary

	December 31,	
	<u>2022</u>	<u>2021</u>
Support and Revenue		
Non-federal contracts	\$2,022,973	\$1,444,970
Grants & contributions	19,509	328,328
Publications	440,313	450,241
Federal contracts	61,385	121,916
Membership	120,950	102,481
Employee retention credit income	--	315,000
Investment income (loss)	(117,596)	67,114
Other	205	43
Total Support and Revenue	<u>\$2,547,739</u>	<u>\$2,830,093</u>
Expenses		
Direct		
SPARS Non-Federal S	\$911,932	\$587,009
Government	--	--
Membership benefits	318,838	343,724
Federal community programs	38,648	69,566
Non-federal community programs	--	--
	<u>\$1,269,418</u>	<u>\$1,000,299</u>
Indirect	\$1,852,514	\$1,951,876
Total Expenses	<u>\$3,121,932</u>	<u>\$2,952,175</u>
Change in Net Assets	<u>(\$574,193)</u>	<u>(\$122,082)</u>
Net assets at beginning of year	<u>\$2,381,015</u>	<u>\$2,503,097</u>
Net Assets at End of Year	<u><u>\$1,806,822</u></u>	<u><u>\$2,381,015</u></u>

Member Societies and Organizations

Through AIBS membership, biological societies and related organizations are connected to matters that are of collective concern, including trends in research and biology funding, public policy, education, and public understanding of science.

Academy of Natural Sciences of Drexel University
American Arachnological Society
American Fern Society
American Institute of Biological Sciences
American Museum of Natural History
American Ornithological Society
American Phytopathological Society
American Society of Ichthyologists and Herpetologists
American Society of Mammalogists
American Society of Naturalists
American Society of Parasitologists
American Society of Plant Taxonomists
American Society of Primatologists
Animal Behavior Society
Association for Tropical Biology and Conservation
Association of Ecosystem Research Centers
Association of Southeastern Biologists
Biodiversity Institute – University of Kansas
Biological Sciences Curriculum Study
BioQUEST Curriculum Consortium
Bishop Museum
Botanical Research Institute of Texas
Botanical Society of America
California Botanical Society
Cary Institute of Ecosystem Studies
Center for Advancing Research Impact in Society (ARIS)
Coastal and Estuarine Research Federation
Coastal Education and Research Foundation
Crustacean Society
Delaware Museum of Natural History
Denver Museum of Nature and Science

Duke Lemur Center
Ecological Society of America
Florida State University
Genetics Society of America
Harvard University
Helminthological Society of Washington
Herpetologists' League
Human Anatomy & Physiology Society
iDigBio
Illinois Natural History Survey
Illinois State Museum
Institute of Environment, Florida International University
International Association for Bear Research and Management
International Association for Landscape Ecology, U.S. Division
International Society for Ecological Modelling
Kansas (Central States) Entomological Society
KU Biodiversity Institute and Natural History
Lepidopterists' Society
Medaille College, Department of Science, Mathematics and Technology
Milwaukee Public Museum
Missouri Botanical Garden
Moore Laboratory of Zoology
Morris Animal Foundation
National Museum of Natural History
National Shellfisheries Association
Natural History Museum of Los Angeles County
Natural History Museum of Utah – University of Utah

Member Societies and Organizations

New York Botanical Garden
North Carolina Botanical Garden
Organization of Biological Field Stations
Paleontological Society
Phycological Society of America
Poultry Science Association
Radiation Research Society
San Diego Natural History Museum
San Diego State University Natural Resource
Management
Society for Advancement of
Chicanos/Hispanics and Native Americans in
Science
Society for Behavioral Neuroendocrinology
Society for Economic Botany
Society for Freshwater Science
Society for In Vitro Biology
Society for Integrative & Comparative
Biology
Society for Mathematical Biology
Society for Northwestern Vertebrate Biology

Society for Sedimentary Geology
Society for the Preservation of Natural
History Collections
Society for the Study of Amphibians and
Reptiles
Society for the Study of Evolution
Society of Mineral Museum Professionals
Society of Nematologists
Society of Systematic Biologists
Society of Vertebrate Paleontology
Southwestern Association of Naturalists
State University of New York-College of
Environmental Science and Forestry
The Field Museum of Natural History
Torrey Botanical Society
University of Florida
University of Minnesota
University of New Mexico-MSB
University of Oklahoma
University of Texas-El Paso
Weed Science Society of America

Our Donors

The Board of Directors gratefully acknowledges the individuals and organizations whose financial contributions to AIBS supported our activities to advance biology research and education in 2022.

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Diana Wall



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The Society of Systematic Biologists



American
Society of
Mammalogists



Our Gratitude

Thank you to all AIBS staff, consultants, and members who help AIBS in its vision to inform and lead research, education, and policymaking at the frontiers of the life sciences.

Thank you to all biologists who submitted to AIBS's Faces of Biology photography contest, several of the photographs from which decorate this year's Annual Report.



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