



| 2020 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 2020 accomplishments and some of our goals for the coming year. Despite the sorrow and hardships brought about by the pandemic, AIBS remains strong, resilient and fully capable of serving the needs of the community. Please review our newly enhanced website (<https://www.aibs.org/>) for further information.

In 2020 we began the transition away from individual membership to focus on our member societies and organizations. We initiated a process to identify opportunities for increased engagement with member societies and organizations. Recently we have begun roundtable discussions with one or several of our member societies and organizations to identify sustainable strategies to advance recommendations and requests you have shared with us in recent years. AIBS also experienced an organizational transition with the departure of Executive Director, Dr. Robert Gropp. At this time, we are working with a simplified structure of leadership, with Scott Glisson as the sole lead of the staff as Chief Executive Officer.

We will 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 17th 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 2020. 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. 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.

Events during this past year 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. Whether in the pages of BioScience, analyses of the peer review process, or our professional development training, we are committed to leveraging the communities 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.

Sincerely,

A handwritten signature in blue ink that reads "Charles B. Fenster". The signature is written in a cursive, flowing style.

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, with a Public Policy Office in Washington, DC. 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 clients; 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, education, public understanding of science, and matters of professional concern. AIBS has individual members and member societies and organizations that support our work. AIBS has clients ranging from government agencies to scientific organizations to nonprofit and for-profit corporations that use our expert services for a fee.



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 educate the community 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, expert peer review is critical for supporting strong science. Recognized as a Center of Excellence for peer review, we work with a diverse group of clients and in a wide range of scientific disciplines to support peer review of proposed, ongoing, or past research. As a Valued Partner in Science[®], our goal is to coordinate and facilitate targeted review and advisory services to support informed decision-making.

In 2020, during an intense period of tumult due to the SARS COVID-19 pandemic, AIBS was able to flex as needed to meet the changing needs of clients to continue to support important scientific research. Furthermore, we were able to expand our client roster and began support partnerships with several new funding organizations. Over the past year, we supported research efforts focused on: many forms of cancer, developmental biology, emergency medicine, infant mortality, gastrointestinal health, infectious diseases, marine science, neurogenerative disease, physical therapy, spinal cord injury, and many other topics. 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 remarkable year, we were well positioned to operate in a virtual world and continued to refine and expand capabilities of the SCORES[®] software suite, which has supported AIBS 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 a center of excellence, we analyze and publish on the science of peer review to not only inform our own work but also to optimize peer-review practices in the greater scientific community. In 2020 we published on review panel discussions and quality, and finding scientific communities in citation graphs. These recent publications (as well as others) may be found at:
<https://www.aibs.org/spars/bibliography.html#aibs-papers>



Also of note in our science of peer review work, AIBS, in collaboration with Karen Schmalzing, received a 2-year grant from the National Science Foundation titled “Risk Preference and Reviewer Scoring.” The study will look at reviewer scoring based on fictitious NIH-style overall impact statements which vary in level and source of risk.

Finally, we presented at two professional meetings. These included a poster session at the National Council for Science and Environment meeting held in early January and a talk at the Joint Statistical Meeting for the American Statistical Association in August (virtual).

2020 was a challenging year in many ways, but it marked continued rigorous and critical scientific peer review work from AIBS and further established us as a center of excellence in this field.

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.

In 2020, BioScience articles were downloaded a record 2,498,502 times. This improvement over the prior year's figure is particularly notable because the 2019 count was heavily skewed by the popular "World Scientists' Warning of a Climate Emergency." This year also saw the launch of the journal's Arts in Science category, a venue for poetry and other forms of artistic expression, and In Their Own Words, a BioScience and BioScience Talks podcast oral history series chronicling the lives of scientists who have made great contributions to their fields. Early In Their Own Words interviewees included Rita Colwell, Peter Raven, and Neil deGrasse Tyson.



*BioScience's 2019
Impact Factor reached
8.282, an all-time
high, which resulted
in a rank of 4th
among journals in the
general biology
category*



This year also marked the initiation of the journal's work in conjunction with the AIBS Diversity Committee, with goals including an improvement in the number of authors who are members of underrepresented groups and broader coverage of issues related to diversity, equity, and inclusion. BioScience Talks podcasts and In Their Own Words oral histories will also be used to support these efforts.

Released in summer of 2020, BioScience's 2019 Impact Factor reached 8.282, an all-time high, which resulted in a rank of 4th among journals in the general biology category, a jump of two places compared to the prior year.

Information Technology Office

In 2020 the Information Technology Office continued efforts to be a streamlined, agile, and modern unit, utilizing best practices to provide our organization with operational and strategic value.

We continued environment simplification to maximize available staff resources; supported clients, staff, and infrastructure; and began new efforts using technology to best engage with AIBS's audience, and to help staff use data to guide decisions.

A connected and wide-ranging effort to renew AIBS's presence included: developing new organization logos and styles; developing and releasing a new and simplified website; updating all social media and other public presences; and beginning efforts to centralize around a single, modern outreach and customer relations platform.

Throughout the year, we adopted and advocated for best practices, with examples including: communicating effectively online, website usability, low vulnerability content management systems, web application firewalls, content delivery networks, and more. To help the organization make fully informed and guided decisions, we also focused on ensuring staff have full access to any and all audience engagement data.

We've seen positive results from these initiatives and projects, and in 2021 we'll continue providing technology which helps AIBS understand, and be relevant to, our audiences and clients.

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 the division 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.

In 2020, we saw the emergence of a deadly pandemic with enormous implications for the U.S. research enterprise. AIBS worked with our partner organizations to secure timely economic aid for the research community, including for nonprofit scientific organizations. Furthermore, we fought to secure new funding for federal science programs at the National Science Foundation (NSF), Environmental Protection Agency, and Department of the Interior.



AIBS worked with our partner organizations to secure timely economic aid for the research community.



In 2019, through the Biodiversity Collections Network, AIBS launched the Extended Specimen Network—a community-informed initiative that provides a framework for stimulating new research and education in the coming decade. In 2020, we joined forces with the Natural Science Collections Alliance and the Society for the Preservation of Natural History Collections to remind federal science policy officials of the important role biodiversity-related and biodiversity-enabled research play in helping to understand current global health and environmental problems, as well as for identifying methods to monitor, model, forecast, and mitigate future problems, including zoonoses like SARS-CoV-2. We called for a 10-year investment of \$1 billion to support collections-enabled research and education to spur new scientific discoveries that grow our economy, improve our public health and well-being, and increase our national security.

The AIBS public policy office continued to aggressively advocate for increased federal investments in scientific research, opposed harmful new immigration policies, and fought to prevent the politicization of science. Among our accomplishments in 2020 were:

- Secured pandemic-related economic relief for non-profit scientific societies and organizations under the CARES Act.
- Helped 89 scientists become advocates for science.
- Secured reversal of a guidance by the U.S. Immigration and Customs Enforcement (ICE) requiring international students to leave the U.S. if they did not participate in in-person instruction during the fall 2020 semester.
- Called on the Office of Science and Technology Policy and the National Science Foundation to make sustained investments to support biodiversity research and education over the next decade.
- Secured inclusion of AIBS recommendations in a congressional report on the climate crisis.
- Helped secure an increase in the number of awards made under the National Science Foundation's Graduate Research Fellowship Program.
- Provided recommendations to the White House on strengthening the American research environment.
- Endorsed legislation to provide \$26 billion in emergency relief funding for federal science agencies.
- Highlighted to NSF the important work scientific associations, including AIBS, led during the COVID-19 pandemic.
- Supported call to study systemic racism in academic 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, we have now successfully converted all our professional development programs to an online format. In 2020, more than 250 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.

With the end of the Individual Membership in early 2020, AIBS provided new and targeted programs and services for our organizational membership. As the pandemic continued, we saw the need to help our organizational members by



starting the Building Resilient Scientific Societies series. Representatives of our member societies and organizations joined a series of virtual Council Meetings that helped the leadership of biology serving organizations guide their societies through the chaotic period of the SARS-CoV-2 pandemic.

In December, AIBS convened “Strengthening the Bioeconomy” – a meeting of the AIBS Council of Member Societies and Organizations. Supported by the Biodiversity Collections Network and BioOne, the meeting brought together a diverse group of scientific society leaders, educators, federal agency personnel, and economists to explore if our current research and education environment optimizes the conversion of biological information into economic benefit. The meeting delved into workforce needs and the role of professional societies in supporting and growing the bioeconomy.

AIBS Looking Forward

In 2021, AIBS will continue efforts to work with the professional societies, research institutions, companies, and other organizations that collectively serve the biological sciences community. We will strive to maximize impact in the scientific community by leading national discussions that gather and synthesize information that informs decisions by everyone involved in scientific research and education endeavors.

In 2020, the Board of Directors approved the AIBS Diversity Plan. AIBS is committed to increasing diversity, equity, and inclusion (DEI) in the biological sciences. In order to demonstrate our commitment, AIBS will focus on developing programs that focus on our core activities of assessment, training, communication, and advocacy. We will convene an inaugural conference in 2021 that will directly engage scientific society leadership in: working together to understand the components of inclusive, diverse, equitable, and accepting (IDEA) cultures, describing the current culture in biology, identifying barriers to enabling IDEA environments, creating action plans to overcome the barriers, and collaborating in mutual commitment to move forward in changing the culture of biology. The conferences will inform longer-term steps such as expanding the program to additional scientific societies and academic institutions, developing workshops or training sessions, and engaging additional participants.

The scope of the challenges facing society is immense—unprecedented biodiversity loss, the climate crisis, and threats to public health, food security and availability. Importantly, 2020 saw the emergence of a deadly pandemic with enormous implications for the U.S. research enterprise. Responsible public policy promoting investments in biological research and education enable the new discoveries and the development of the skilled workforce required to solve these problems while simultaneously promoting economic growth through the expansion of the bioeconomy.

In 2021 we will continue to lead efforts that have provided a foundation for new investments, particularly in biodiversity-related and biodiversity enabled research. In 2020, through the Biodiversity Collections Network (BCoN), we launched the Extended Specimen Network – a community-informed initiative that provides a framework for stimulating new research and education in the coming decade. We reminded policymakers that biological collections can be critical to better understand important societal problems, such as zoonoses like SARS-CoV-2, and called for significant new investments to be made in the next decade to support collections-enabled research and education. Our efforts are not limited to advocacy for funding. We also work to help inform White House initiatives to enhance research rigor and integrity in the American research environment. We will continue to promote efforts to address systemic racism in academia, to oppose political interference with federally funded coronavirus research and data, to fend off policies targeting international students, and to oppose efforts to block funding for important biomedical research using fetal tissue.

AIBS will continue to work with a diverse group of clients and in a wide range of scientific disciplines to support peer review of proposed, ongoing, or past research. We will provide merit review and scientific program management 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, 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 monthly 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

Through these efforts and all other initiatives undertaken in 2021, AIBS will strive to meet our vision of improving our understanding and appreciation of all life.

Board of Directors



Row 1: John Burris, Michael Cato, Gabriela Chavarria, Charles Fenster, Lisa Gaines; **Row 2:** De'Broski Herbert, Raymond Mejía, Eric Nagy, Richard Nakamura, Kathie Olsen; **Row 3:** Steward Pickett, Clifton Poodry, Muriel Poston, Judith Skog, Krissa Skogen; **Row 4:** Pamela Soltis, Micheal 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 how adaptations evolve 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 has worked with AIBS to achieve common goals, especially with regard to influencing science policy. He holds a Ph.D. from the University of Chicago.

Judith Skog
Vice President
George Mason
University
2020–2021

Professor Emerita in the Biology Department and Environmental Science and Policy at George Mason University, in Fairfax, VA. Past appointments have included Division Director and Deputy Division Director for Biological Infrastructure at the NSF, Program Officer in the Division of Environmental Biology (NSF BIO) and program officer in the Division of Earth Sciences (NSF GEO). Her service to scientific societies includes President of the Botanical Society of America and President of the American Fern Society. She holds a Ph.D. from Cornell University.

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
2019–2021

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.

Board Members Elected by the Board

John Burris
Burroughs
Wellcome Fund,
President Emeritus
2019–2021

John Burris recently retired as President of the Burroughs Wellcome Fund. His previous positions include President of Beloit College, Director and CEO of the Woods Hole Marine Biological Laboratory, and Executive Director of the Commission on Life Sciences at the National Research Council / National Academies. He holds a Ph.D. from the Scripps Institution of Oceanography at the University of California, San Diego.

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.

Eric Nagy
University of
Virginia
2019–2021

Eric Nagy is a Professor of Biology at the University of Virginia, and Associate Director of the Mountain Lake Biological Station. His research is focused on the ecological, reproductive, and selective dynamics driving the evolution of natural plant hybrid populations. He holds a Ph.D. from the University of California, Davis.

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.

Board Members Elected by the Board

Kathie Olson
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
2019–2021

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
2019–2021

Muriel Poston is Professor Environmental Analysis at Pitzer College where she previously served as Dean of the Faculty/Vice President for Academic Affairs. 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

Gabriela Chavarria
Denver Museum of
Nature and Science
2019–2021

Gabriela Chavarria is the vice president and chief curator of the science division at the Denver Museum of Nature & Science. She is responsible for providing vision and leadership for the research and collections team, and ensuring the Museum engages in quality scientific research, appropriates its collections responsibly, and provides relevant exhibition content and education programming. Her previous positions include science advisor to the director of the U.S. Fish and Wildlife Service, and director of the Natural Resources Defense Council's (NRDC) Science Center. She received her Ph.D. in Organismic and Evolutionary Biology from Harvard University.

Krissa Skogen
Chicago Botanic
Garden
2020–2022

Krissa Skogen, Ph.D. is a conservation biologist and botanist at the Chicago Botanic Garden and adjunct professor at Northwestern 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 as well as the Plant Conservation Alliance – Non-Federal Cooperators Committee.

Pamela Soltis
University of Florida
2019–2021

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.

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.

Board Members Elected by the AIBS Individual Membership

Lisa Gaines
Oregon State
University
2020–2022

Lisa Gaines is the Director of the Institute for Natural Resources at Oregon State University. Lisa has more than 25 years of experience working with universities, government agencies, and NGOs to develop and manage multi-institutional natural resource and international development projects and programs. Her areas of interest include the human dimensions of environmental risk, environmental policy and decision-making, citizen participation, evaluation, and international transboundary waters. She holds a Ph.D. from Oregon State University.

Raymond Mejia
Society for
Mathematical
Biology
2020–2022

Raymond Mejia worked at National Institutes of Health as a Math Biology Scientist until 2007. He was President of the NIH Hispanic Employee Organization in 2000. He is currently on the Board of Director's at the Society for Mathematical Biology and is a guest worker for LCE, NHLBI, and 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 a M.A. from the University of Maryland.

Our Team



Diane
Bosnjak



DaJoie
Croslan



Arati
Deshmukh



Stephen
Gallo



Scott
Glisson



Ian
Johnson



Syreeta
Jones



Michael
LeMaster



Jyotsna
Pandey



Jennifer
Pettit



Joanne
Sullivan



Lisa
Thompson



James
Verdier



Joel
Wagener



Mariam
Zaka

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 Gerooge 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

	2020	2019
Assets		
Current Assets		
Cash & cash equivalents	\$ 1,876,188	\$ 1,244,445
Investments	1,200,611	1,122,194
Accounts receivable, net	333,938	711,427
Other assets	--	--
Prepaid expenses	16,139	39,313
Total Current Assets	\$ 3,426,876	\$ 3,117,379
Property and Equipment, net	3,056	4,928
Other Assets	--	--
Total Assets	\$ 3,429,932	\$ 3,122,307
Liabilities & Net Assets		
Current Liabilities		
Loan Payable	\$ 1,445	\$ --
Acct payable & accrued exp	271,015	314,377
Deferred Revenue	355,820	142,963
Total Current Liabilities	\$ 628,280	\$ 457,340
Long-Term Liabilities		
Loan payable, net of current portion	148,555	--
Deferred Revenue	150,000	225,000
Total Liabilities	\$ 926,835	\$ 682,340
Net Assets		
Unrestricted		
Undesignated	1,952,366	1,924,854
Board designated	531,382	493,927
Net Assets with Donor Restrictions	19,349	21,186
Total Net Assets	\$ 2,503,097	\$ 2,439,967
Total Liabilities & Net Assets	\$ 3,429,932	\$ 3,122,307

Financial Summary

	2020	2019
Support and Revenue		
Non-federal contracts	\$ 2,963,112	\$ 3,079,904
Grants	317,741	975,779
Publications	463,342	447,178
Federal contracts	130,076	99,795
Membership	113,581	135,135
Education, policy & other programs	0	3,941
Investment income (loss)	78,067	81,958
Other	44	--
Total Support and Revenue	\$ 4,065,963	\$ 4,823,890
Expenses		
Direct		
SPARS Non-Federal S	\$ 1,658,401	\$ 2,194,205
Government	--	--
Membership benefits	353,720	382,991
Federal community programs	77,794	74,208
Non-federal community programs	--	3,692
	\$ 2,089,915	\$ 2,655,096
Indirect	\$ 1,912,918	\$ 1,732,447
Total Expenses	\$ 4,002,833	\$ 4,387,543
Change in Net Assets	\$ 63,130	\$ 436,147
Net assets at beginning of year	\$ 2,439,967	\$ 2,003,820
Net assets at end of year	\$ 2,503,097	\$ 2,439,967

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 Malacological Society
American Museum of Natural History
American Ornithological Society
American Society for Gravitational and Space Research
American Society of Ichthyologists and Herpetologists
American Society of Mammalogists
American Society of Naturalists
American Society of Parasitologists
American Society of Plant Biologists
American Society of Plant Taxonomists
American Society of Primatologists
Animal Behavior Society
Arkansas State University
Association for the Sciences of Limnology and Oceanography
Association for Tropical Biology and Conservation
Association of College & University Biology Educators
Association of Ecosystem Research Centers
Association of Southeastern Biologists
Audubon Alaska
Bailey-Matthews Shell Museum
Biodiversity Institute - University of Kansas
Biological Sciences Curriculum Study
BioQUEST Curriculum Consortium
Bishop Museum
Botanical Research Institute of Texas

Botanical Society of America
Brooklyn Botanic Garden
Cactus and Succulent Society of America
California Botanical Society
Cary Institute of Ecosystem Studies
Coastal and Estuarine Research Federation
Coastal Education and Research Foundation
Cornell University
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-MCZ
Helminthological Society of Washington
Herpetologists' League
Human Anatomy & Physiology Society
iDigBio
Illinois Natural History Survey
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
Lepidopterists' Society
Long Term Ecological Research Network
Louisiana State University-MNS
Michigan State University
Milwaukee Public Museum
Missouri Botanical Garden

Member Societies and Organizations

Monte Bean Life Sciences Museum at
Brigham Young University
Mycological Society of America
National Museum of Natural History
National Shellfisheries Association
National Tropical Botanical Garden
Natural Areas Association
Natural History Museum of Los Angeles
County
Natural Science Collections Alliance
NatureServe
New York Botanical Garden
North Carolina Botanical Garden
North Carolina Museum of Natural Sciences
Oak Ridge Associated Universities
Occidental College-MLZ
Organization of Biological Field Stations
Paleontological Society
Phycological Society of America
Poultry Science Association
Project Noah
Purdue University, Dept. of Entomology
Radiation Research Society
San Diego Natural History Museum
Santa Barbara Museum of Natural History
Sitka Sound Science Center
Society for Behavioral Neuroendocrinology
Society for Conservation Biology
Society for Economic Botany
Society for Freshwater Science
Society for Industrial Microbiology and
Biotechnology
Society for Integrative & Comparative
Biology
Society for In Vitro Biology
Society for Mathematical Biology
Society for Northwestern Vertebrate Biology

Society for Sedimentary Geology
Society for the Study of Amphibians and
Reptiles
Society for the Study of Evolution
Society of Environmental Toxicology &
Chemistry
Society of Herbarium Curators
Society of Mineral Museum Professionals
Society of Nematologists
Society of Systematic Biologists
Society of Vertebrate Paleontology
SDSU Natural Resource Management
Southern Appalachian Botanical Society
Southern California Academy of Sciences
Southwestern Association of Naturalists
State University of New York-College of
Environmental Science and Forestry
Texas A & M University
Natural Science Research Laboratory,
Museum of Texas Tech University
The Field Museum of Natural History
Torrey Botanical Society
Natural History Museum of Utah
University of Alaska, Museum of the North
University of Connecticut, Department of
Ecology and Evolutionary Biology
University of Florida
University of Iowa, Museum of Natural
History
University of Minnesota
University of Nebraska
University of New Mexico-MSB
University of Oklahoma
University of Texas, Austin - Texas Natural
Science Center
University of Texas-El Paso
Washington State University-NHM
Weed Science Society of America

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Our Gratitude

Thank you to all AIBS staff, consultants, and members that 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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