



Science as a Mechanism to Engage

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AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



Source: White House, JFK Presidential Library and Museum



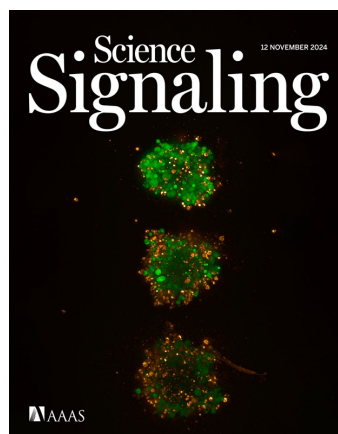
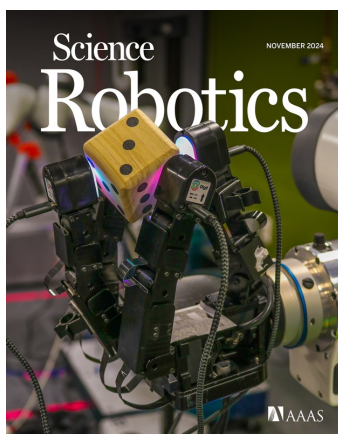
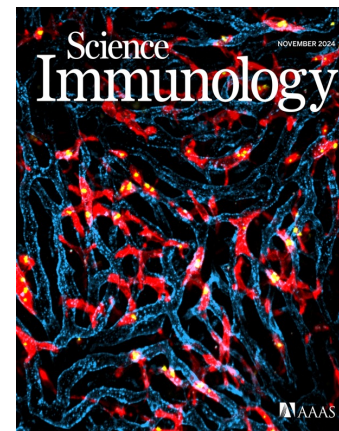
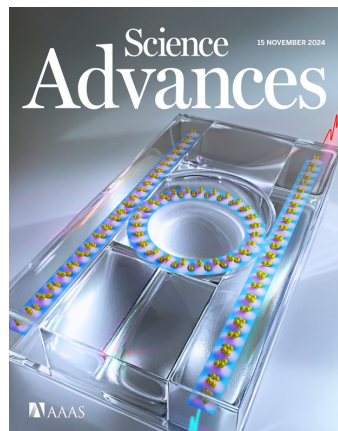
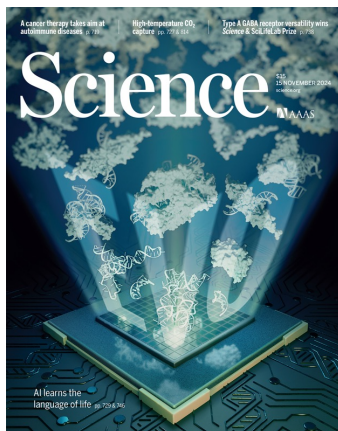
Source: White House, Jimmy Carter Library

A photograph of the exterior of the American Association for the Advancement of Science (AAAS) building. The building features a large, dark stone wall on the left side, which is part of a modern architectural design. The stone wall has the organization's name engraved on it. To the right, there is a glass-enclosed entrance area. The building is multi-storied with many windows. The sky is clear and blue.

The mission of AAAS is to advance science, engineering, and innovation throughout the world for the benefit of all

Advancing Science, Serving Society

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



AAAS Strategic Goals

Focused and Refined

ADVANCE SCIENTIFIC EXCELLENCE AND ACHIEVEMENT

AAAS recognizes, inspires, and enables a robust research ecosystem that drives discovery and innovation and prepares future scientists and engineers

FOSTER EQUITY AND INCLUSION FOR SCIENTIFIC EXCELLENCE

AAAS fosters the diverse, equitable, open, and inclusive scientific enterprise that is essential for scientific excellence

BUILD TRUST AMONG SCIENTISTS AND COMMUNITIES

AAAS builds trust among scientists and engineers and broader communities and is a valued source of accurate scientific information that is foundational to countering misinformation

CATALYZE PROGRESS WHERE SCIENCE MEETS POLICY

AAAS provides actionable evidence for public policy that serves society and promotes policies that enable quality science

AAAS Center for Science Diplomacy

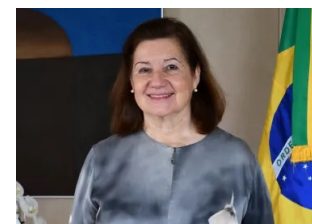
- Established in July 2008
- Focuses on three strategic goals:
 - **Building Relationships:** Demonstrate the important role science can play between nations and regions, even where there are challenging diplomatic relationships.
 - **Building Capacity:** Catalyze and reinforce the intellectual development of the field for the practical benefit of the foreign policy and scientific communities.
 - **Building Community:** Build a cohesive science diplomacy stakeholder community.

Capacity and Community Building

Intellectual Foundations



Capacity & Community Building



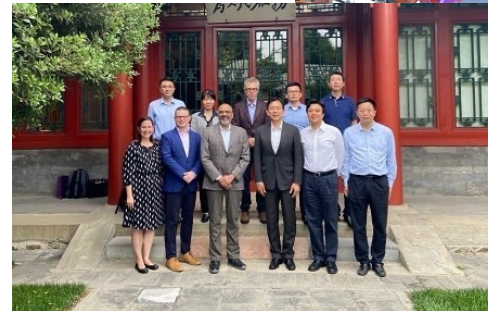
Ambassador Conversation Series



AAAS-TWAS Science Diplomacy Course in Trieste, Italy

Relationship Building

Relationship & trust building despite challenging geopolitics



From L-R: Cuban delegation during their U.S. visit at AAAS; October 2023; AAAS delegation meetings in China to the Ministry of Science and Technology (top) and Tsinghua University, May 2024.

AAAS – Cuban Academy of Sciences



Credit: AAAS



Credit: AAAS

From L-R: *Science* cover that included an editorial and several pieces about Cuba; AAAS Delegation to Cuba in 2014 that included the highest-ranked U.S. official to meet with a Ministry other than Foreign Affairs in 50 years; AAAS CEO Sudip Parikh (R) and Cuban Academy of Sciences President Luis Velazquez Perez (L) renewing an MoU between AAAS and ACC, 2022

Professional Meeting on Public Health and Environment, 2023



Credit for pictures: AAAS

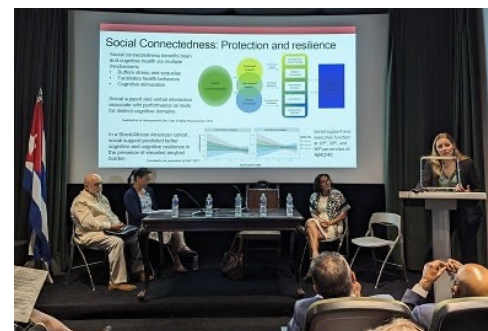


From L-R: U.S. and Cuban delegation; Peter Agre giving a keynote workshop; Juan Ramírez Lugo moderating a session; Joyelle Kalei Dominique from NIAID speaking at a session; and Valerie Miller from the Environmental Defense Fund speaking at a session.

Professional Meeting on Aging and Disaster Management, 2024



Credit: Cuban Academy of Sciences



Credit: AAAS



Credit: AAAS

From L-R: Members of AAAS-led and Cuban Academy-led delegations standing in the courtyard of the former Palace of the Captains General in Old Havana; Dr. Megan Zuelsdorff presenting on social interconnectedness and aging; and Dr. Valda Vinson presenting on the publication process of the *Science* family of journals.

Professional Trinational Meeting – U.S., Cuba, and Mexico, 2024



Credit: Cinvestav



Credit: Cinvestav



Credit: UNAM

From L-R: Participants of the three delegations during the first day of the meeting at the Center for Research and Advanced Studies (Cinvestav) Southern Campus in Mexico City; Dr. Elizabeth Engler-Chiurazzi providing a presentation during the first day of the meeting at Cinvestav; and Dr. Martha Espinosa Cantellano (center, typing on a laptop) acts as rapporteur during the brainstorming session with the working group on infectious diseases.

AAAS – Royal Society Framework for Science Diplomacy



- Science for Diplomacy
- Science in Diplomacy
- Diplomacy for Science

Science Diplomacy is not just another word for International Scientific Cooperation

- The motivation for International Scientific Cooperation is to **advance science**
- The motivation for Science Diplomacy is to **affect relationships**

Since 2010

- Concept of Science Diplomacy **spread rapidly** – conferences, training programs, university course, and grant funded projects
- Science Diplomacy **term used by international scientific leaders, diplomats, and beyond.**
- Countries/Regions adopting or discussing the need to adopt **national science diplomacy strategies.**

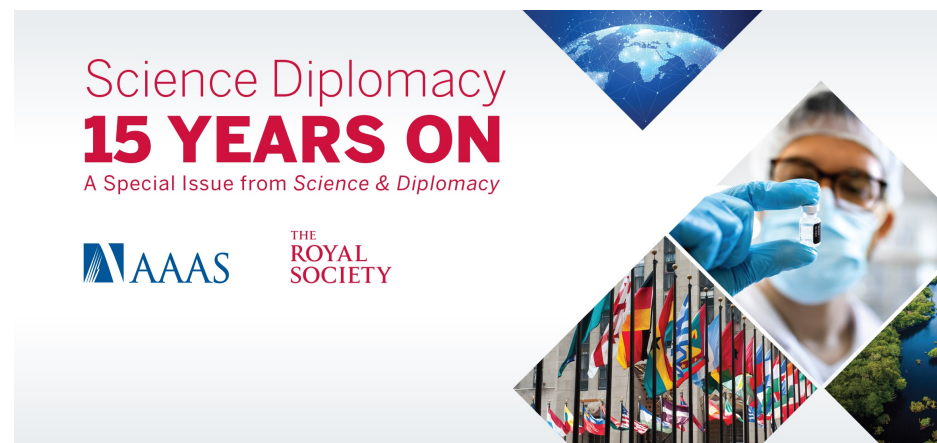
Roundtables, Events, and Discussions

- High-level Dialogue on the Future of Science Diplomacy session at INGSA 2024, with The Royal Society, the European Commission, and Geneva Science and Diplomacy Anticipator (GESDA).
- Science and Technology Diplomacy session at the 2024 STS Forum



Special Issue of *Science & Diplomacy*

- *Science & Diplomacy* special issue on “**Science Diplomacy – 15 Years On**”
- **21 Perspectives** on what is science diplomacy in the 21st century, potential downsides or unintended consequences of science diplomacy.



<https://www.sciencediplomacy.org/tag/science-diplomacy-15-years>

AAAS – Royal Society Framework for Science Diplomacy Revised

- The Royal Society and AAAS are **working on a revision** of the 2010 report.
- Will be **released at the 2025 AAAS Annual Meeting** in Boston (February 13-15).



Challenges for Science Diplomacy

- Complex geopolitical environment where S&T can be the subject of tensions across nations
- Increasing rules and limits on topics for international scientific collaboration
- Creating partnerships where there is asymmetry in scientific capacities
- Lack of resources for science and technology engagement

Opportunities for Science Diplomacy

- Using scientific engagements to foster relationships between countries
- Strengthening connections between the scientific and foreign affairs communities
- Reinforcing the trust in the international scientific enterprise
- Fostering an international science diplomacy community

Thank You!



<https://www.aaas.org/programs/center-science-diplomacy>
<https://www.sciencediplomacy.org/>
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