



New Voices Cohort 4 Working Group Descriptions (2026-2028)

Questions? Contact:
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About the program

[New Voices in Sciences, Engineering, and Medicine](#) is a cohort-based leadership program that promotes collaboration among outstanding mid-career scientists, engineers, and medical professionals during a two-year term of service. The program aims to expand the expertise engaged in the convening and advisory functions of the National Academies while building a network of emerging U.S. leaders to address national and global challenges.



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Global Competitiveness and Collaboration: A Case Study for Clean Energy Technology

Examines how nations can maintain technological and economic leadership while preserving the international scientific cooperation needed to address shared global challenges. Using clean energy as a case study, they are engaging with experts across sectors and are considering how countries can balance openness and collaboration with strategic priorities related to innovation, resilience, and security.

Facilitating Conditions for Long-Horizon Science

Explores the conditions that enable successful long-horizon efforts in science, engineering, and medicine, taking a multi-perspective approach that considers financial structures, technical requirements, and logistical constraints. By identifying the ecosystem of financial, technical, and logistical conditions that enable long-horizon endeavors, they are assembling a set of learnings and best practices to optimize the use of limited resources in support of ambitious, transformative research.

Grounding Science in Community Engagement: Relevance, Evidence, and Trust

Explores how strengthening community engagement promotes relevance, evidence, and trust in science. This working group examines how research can be done with communities. It will move beyond traditional discussions of science communication and engagement principles to explore concrete, replicable, and community-engaged practices for rooting research in societal relevance.

STEM Education in the Age of AI

Brings together multidisciplinary perspectives to develop a more cohesive, evidence-based understanding of AI's implications for STEM education and workforce development. The group seeks to support the advancement of AI literacy and competency by connecting educators across formal, informal, and workforce learning environments, including K–12 and higher education, community colleges, museums, outreach programs, and family settings.

