



WEIZMANN
INSTITUTE
OF SCIENCE

EMPOWER
TOMORROW

Global Collaborations

BECAUSE SCIENCE HAS NO BORDERS

At the Weizmann Institute of Science, we believe the world's most pressing challenges—climate change, public health, technological disruption—demand bold thinking, shared vision, and global collaboration. Innovation thrives when ideas, resources, and expertise cross borders—and so do we.

Weizmann fosters dynamic international, national, and cross-sector partnerships that accelerate discovery and amplify impact. Over the past five years alone, the Institute has launched more than 600 scientific collaborations around the world, expanding scientific knowledge, accelerating discovery, and building strong professional networks.

At Weizmann, collaboration isn't just a strategy—it's a mindset. By linking the brightest minds across continents, sectors, and scientific disciplines, we're accelerating the pace of discovery—and building a better future for all.

Our global partners include some of the world's most prestigious institutions.



ETH zürich



MIT Massachusetts Institute of Technology



HARVARD
UNIVERSITY

Garvan Institute
of Medical Research



Imperial College
London



Memorial Sloan Kettering
Cancer Center



McGill
UNIVERSITY



Northwestern
University



Fondation
Brain Canada
Foundation



Ucla



Cima
Universidad
de Navarra



THE UNIVERSITY OF TEXAS
MD Anderson
Cancer Center



THE SCHWARTZ
REISMAN
COLLABORATIVE
SCIENCE PROGRAM:
A FRUITFUL
FRIENDSHIP
WITH CALTECH

Established in 2019 through the Gerald Schwartz and Heather Reisman Foundation in Canada, the Schwartz Reisman Collaborative Science Program has fueled partnerships across nearly 30 research teams at the Weizmann Institute and the California Institute of Technology (Caltech). Joint projects span cancer biology, quantum science, material science, and astrophysics, resulting in dozens of publications in journals, as well as scientific advances such as the development of enzymes that help antibiotic effectiveness, a database that helps identify cancer treatment targets, and an index quantifying humanity's environmental footprint.



Both teams were over the moon when the results came in. The project may have started as a collaboration between two groups of scientists who read different journals, attend different conferences, and experiment with very different methods on different scales. But it grew into something much deeper, and I realized that, together, we had a very real chance of leading to a cure for some of the most aggressive bacterial infections. It all came down to making the right connections.

PROF. SAREL FLEISHMAN, WEIZMANN INSTITUTE

TARA OCEAN
FOUNDATION:
ON THE EDGE OF
THE ARCTIC
FRONTIERS

Weizmann Profs. Assaf Vardi and Ilan Koren are among scientists from 14 institutions worldwide working with the Tara Ocean Foundation—a French organization that studies marine biodiversity and the impacts of climate change and pollution on the ocean—on their Polar Station, an unparalleled platform for studying the Arctic Ocean's rapidly changing biosphere. Their expertise in innovative techniques for sampling in extreme conditions could contribute to enhanced extreme weather readiness, improved environmental monitoring, and strategies to mitigate climate change impact. Past collaborations with Tara have explored microplastics in the ocean and the effect of the ocean's ecosystem on the atmosphere.

WEIZMANN-MAX PLANCK JOINT POSTDOC PROGRAM:
CONNECTING ISRAEL AND GERMANY

The Max Planck Society and Weizmann Institute of Science joint postdoctoral program offers exceptional research opportunities in physics, chemistry, mathematics, computer science, earth science, and life sciences, providing a four-year position split equally between Germany and Israel. This prestigious collaboration enables talented researchers to engage with cutting-edge projects at two world-renowned institutions, fostering interdisciplinary research and international scientific cooperation. Fellows receive competitive compensation, comprehensive benefits including health insurance and housing subsidies, and support for conference travel.

This program creates a unique research environment that combines the expertise, resources, and perspectives of both institutions, positioning fellows to make significant contributions to their fields while developing valuable international connections.

PARTNERING FOR DISCOVERY:
ACROSS ISRAEL AND BEYOND

Weizmann scientists team up regularly with their counterparts at academic institutions in Israel, including the Technion-Israel Institute of Technology, the Hebrew University of Jerusalem, Tel Aviv University, Bar-Ilan University, and Ben-Gurion University of the Negev. By pooling intellectual resources, sharing specialized facilities, and creating joint academic programs, these strategic relationships enable cooperative initiatives addressing complex scientific challenges from cancer research to climate technology.

In one particularly powerful partnership, researchers from the Weizmann Institute, the Technion, and the University of Michigan developed cutting-edge autonomous agricultural systems—combining robotics, AI, and human-machine interfaces to create drones for field monitoring, assistive exoskeletons for farm workers, durable all-terrain robots, and advanced coordination tools that are making farming safer, smarter, and more sustainable.

CROSS-SECTOR COLLABORATIONS: UNLEASHING INGENUITY THROUGH STRATEGIC PARTNERSHIPS

Weizmann's model of scientific collaboration extends beyond academia, creating powerful bridges between discovery and real-world impact. Through projects with leading hospitals and pharmaceutical companies, public agencies, and industry, Weizmann cultivates a vibrant ecosystem where scientific discoveries can translate rapidly into clinical applications.

TEVA PHARMACEUTICALS: NEXT-GENERATION DRUG DEVELOPMENT

Dr. Rony Dahan's lab at the Weizmann Institute partnered with the multinational Teva Pharmaceutical Company to serve as its flagship site for high-level drug development. Over nearly six years of intensive collaboration, the partnership has secured two licensing agreements and is now advancing next-generation antibody-based immunotherapies for solid tumors into clinical evaluation.



Our collaboration with Teva's worldwide R&D teams has been extremely successful, leading to the development of two innovative drugs for cancer patients. This partnership has provided a remarkable opportunity to translate our groundbreaking lab research into real-world therapeutic solutions, benefiting humanity. We are excited to continue and expand this collaboration, with the goal of broadening our research to address additional diseases beyond cancer, such as autoimmune disorders and more, while applying our innovative research tools to develop novel treatments for these conditions.

DR. RONY DAHAN, WEIZMANN INSTITUTE

ULTRASAT: OTHERWORLDLY ASTROPHYSICS

Weizmann physicists serve as the scientific heads of ULTRASAT (Ultraviolet Transient Astronomy Satellite), Israel's first Earth-orbiting satellite dedicated to space research and set to revolutionize our understanding of the hot transient universe. This international collaboration includes public sector partners—NASA, the Israel Space Agency, and Germany's Deutsches Elektronen-Synchrotron (DESY)—together with Israeli industry leaders like Israel Aerospace Industries, Elbit Systems, and Tower Semiconductor.

CLALIT HEALTH SERVICES: BIG DATA AND DISEASE PATTERNS

In partnership with Clalit Health Services, Israel's largest HMO, Weizmann researchers led by Prof. Amos Tanay and Prof. Gabi Barbash are harnessing AI to analyze more than 20 years of anonymized medical records. Their groundbreaking work is uncovering new patterns that could revolutionize how we predict, prevent, and treat disease—already identifying risk factors for acute myeloid leukemia (AML) and gestational diabetes.

