



TRANSFORMING **TOMORROW**

Accelerate the Next 75 Years of Scientific Breakthroughs

THE CASE FOR GIVING

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The year 2019 is a milestone in the life of the American Committee for the Weizmann Institute of Science. It marks 75 years since a handful of visionary leaders rallied like-minded Americans in support of a small research facility in a dusty village in what would become the State of Israel. 75 years that have seen the phenomenal growth of the Weizmann Institute of Science into a globally renowned powerhouse of basic science research. 75 years of Institute-developed drugs, products, technologies, and ideas not only changing lives worldwide, but saving them. 75 years of talented students and young scientists becoming the finest researchers in cancer, neuroscience, alternative energy, computer science, chemistry, astrophysics, biology... 75 years of American philanthropy helping the Weizmann Institute build on today's strengths to transform tomorrow, together shaping our future.

Through their volunteer leadership and unprecedented generosity, our early leaders inspired generations to come; now many thousands strong, U.S. friends have contributed more than \$2.5 billion to the Weizmann Institute over the course of the American Committee's existence.

These past accomplishments have made a tremendous difference in the world, and our efforts today will carry Weizmann science even further. This is why we are inviting you to join us in the Transforming Tomorrow Campaign.

Underway through 2019, the Campaign celebrates our historic anniversary, reaffirms the essential bond between science and philanthropy, and deepens our pledge to continually strengthen our partnership with the Weizmann Institute. As a broad-scope fundraising initiative that will support major needs at the Institute, the Transforming Tomorrow Campaign will provide substantial, enduring funding for a range of science, scientists, and students... and continue to advance our mission of *science for the benefit of humanity*, transforming tomorrow.



OUR RENEWED COMMITMENT

Science is more important now than ever—as is support for STEM education, increasing the numbers of women in academia, international cooperation in advancing knowledge and discoveries, and harnessing the phenomenal potential of new technologies. And at a time when medical research is moving in fantastic new directions and our lives are increasingly intertwined with technology, it is imperative that we have a science-literate citizenry. People must understand science’s impact upon the world in order to make informed decisions.

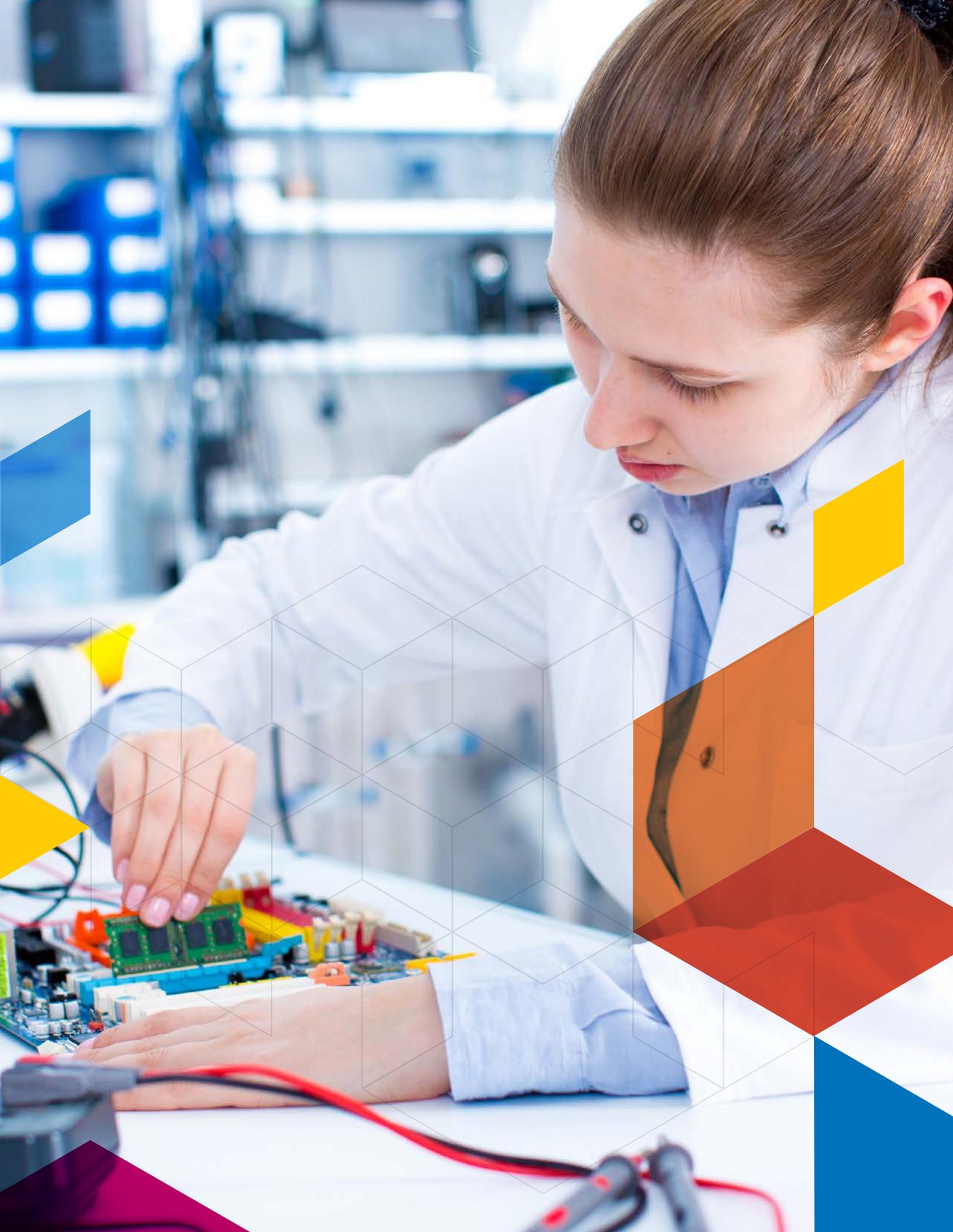
In addition to our 75th anniversary, the Transforming Tomorrow Campaign comes at a time of profound global change, thus offering us the chance to shape and advance basic research to a remarkable degree—perhaps more than at any other time in our history.

The key to moving forward is active partnership. Collaboration is a core tenet of the institutional philosophy at Weizmann, and has long been key to its success. When Sir Isaac Newton said, “If I have seen further, it is by standing on the shoulders of giants,” he was paying tribute to his fellow scientists; likewise, Weizmann scientists elevate each other every day, not only working cooperatively and building upon each other’s research, but collaborating with colleagues worldwide to share, combine, and expand knowledge.

After all, science is a universal language, one that is objective and bridges all boundaries: geographic, political, cultural. And collaboration is humanity’s best chance for finding solutions to the unprecedented challenges facing our modern world.

Philanthropists are crucial members of this partnership. Thanks to your generosity, Weizmann science produces lifesaving breakthroughs in cancer, the environment, neuroscience, medicine, security, and other key fields.

We live in an exciting time, one that offers the opportunity for you to take your place as one of today’s visionaries: the right time to recommit to the Weizmann Institute of Science. It is essential that today’s American Committee family, like its founders, leads the way, lifting up the scientists so that they can “see further” and transform tomorrow.



THE TRANSFORMING TOMORROW CAMPAIGN

It takes a remarkable philanthropist to not only appreciate the significance of basic science research, but be inspired by it. To believe in its limitless potential and personally commit to its advancement. Fortunately, the donors who invest in the science and scientists of the Weizmann Institute possess such imagination and understanding. They know that fundamental research is behind every major discovery, and they take pride in seeing research advance from “what if?” to a “wow!”

The Transforming Tomorrow Campaign provides American supporters with opportunities for deep impact in a number of always-important areas. Every one of these core initiatives is central to advancing the Institute’s tradition of excellence and sustaining its culture of collaborative curiosity.

With a goal of \$225 million—\$75 million per year for three years—the Transforming Tomorrow Campaign aims to accelerate the next 75 years of breakthroughs and advances.

It will secure the future for Weizmann’s world-class scientists and their innovative research, with far-reaching impacts: A safer, more livable planet. Effective treatments for conditions ranging from Alzheimer’s to autism, from influenza to cancer. To not only invent the technologies of tomorrow, but harness them for the good of humankind. To understand life by looking into the reaches of space and at the earth around us. To inspire the scientists of tomorrow.

The Transforming Tomorrow Campaign will fund the building blocks upon which discoveries made by Weizmann scientists—and their colleagues around the world—will be based. This is truly *science for the benefit of humanity*—now and for decades to come. And you can make it happen.

THE PEOPLE

- Professorial, Research Fellow, and Career Development Chairs honor experienced scientists; the staff scientists who maintain the steady flow of research; and young scientists just establishing their labs.
- Scholarships and fellowships provide major support for master's and doctoral students and for postdoctoral fellows, including programs to advance female scientists.
- Science education programming offers more than 70 initiatives, increasing science literacy by reaching children and teens, high school teachers, and the general public.

THE SCIENCE

- Centers and Institutes bring together, direct, and promote multidisciplinary research in a given field.
- Research Funds directly stimulate work in an area of science that you particularly care about.

THE ESSENTIALS OF RESEARCH

- Instrumentation and equipment purchase and upgrade is a critical and constant need in all areas of science.
- Buildings and facilities—both new and renovated—support the Institute's growth and are needed to house labs, graduate students, and longer-term visiting scientists.

A HISTORY OF REMARKABLE ACHIEVEMENT... AND A FUTURE OF TRANSFORMATIVE DISCOVERY

Over the past 75 years, thanks to forward-thinkers like you, Weizmann Institute research has been central to innovation and discovery in a host of scientific disciplines.

The Institute today is an international powerhouse, renowned for its success in technology transfer—moving discoveries from the lab to the marketplace—and for its numerous patents in fields such as health and medicine, the environment, and technology.

We are entering an era of rapid advancement, as a number of recent technological leaps have launched whole new fields and revolutionized scientific research—and Weizmann scientists are again in the lead, standing on our history of achievements to make tomorrow's breakthroughs.



HEALTH & MEDICINE

The Weizmann Institute's myriad successes in medicine include laying the foundation of amniocentesis, establishing the basis of two FDA-approved frontline drugs for multiple sclerosis, inventing a non-invasive method for diagnosing breast and prostate cancer, and creating an immunotherapy technique that is today saving the lives of cancer patients.

Our scientists are also working toward a vaccine to reverse Alzheimer's and other signs of aging in the brain, revealing that our gut microbiome affects our health and well-being to an astonishing degree, and developing a headline-making prostate cancer treatment that is moving onto the global market. Advances in personalized medicine and gene editing could even eliminate some diseases forever.

THE ENVIRONMENT

Weizmann Institute scientists were working to understand and solve global environmental problems long before "climate change" became a common term. The Institute is a leader in efficient water management, studying methods such as desalination, upcycling, irrigation, and removal of pollutants. Our scientists are developing the range of alternative energies—solar, wind, biofuel, hydrogen—that we need to replace fossil fuels. They also apply their plant sciences expertise to help fight global hunger and malnutrition.

TECHNOLOGY

Technology research has been a foundation of Weizmann Institute science since its early days, when pioneering mathematicians and engineers built Israel's first computer, thus laying the groundwork for the country's powerful high-tech economy. Today, their equally innovative successors are building miniscule biocomputers out of DNA and developing quantum computers.

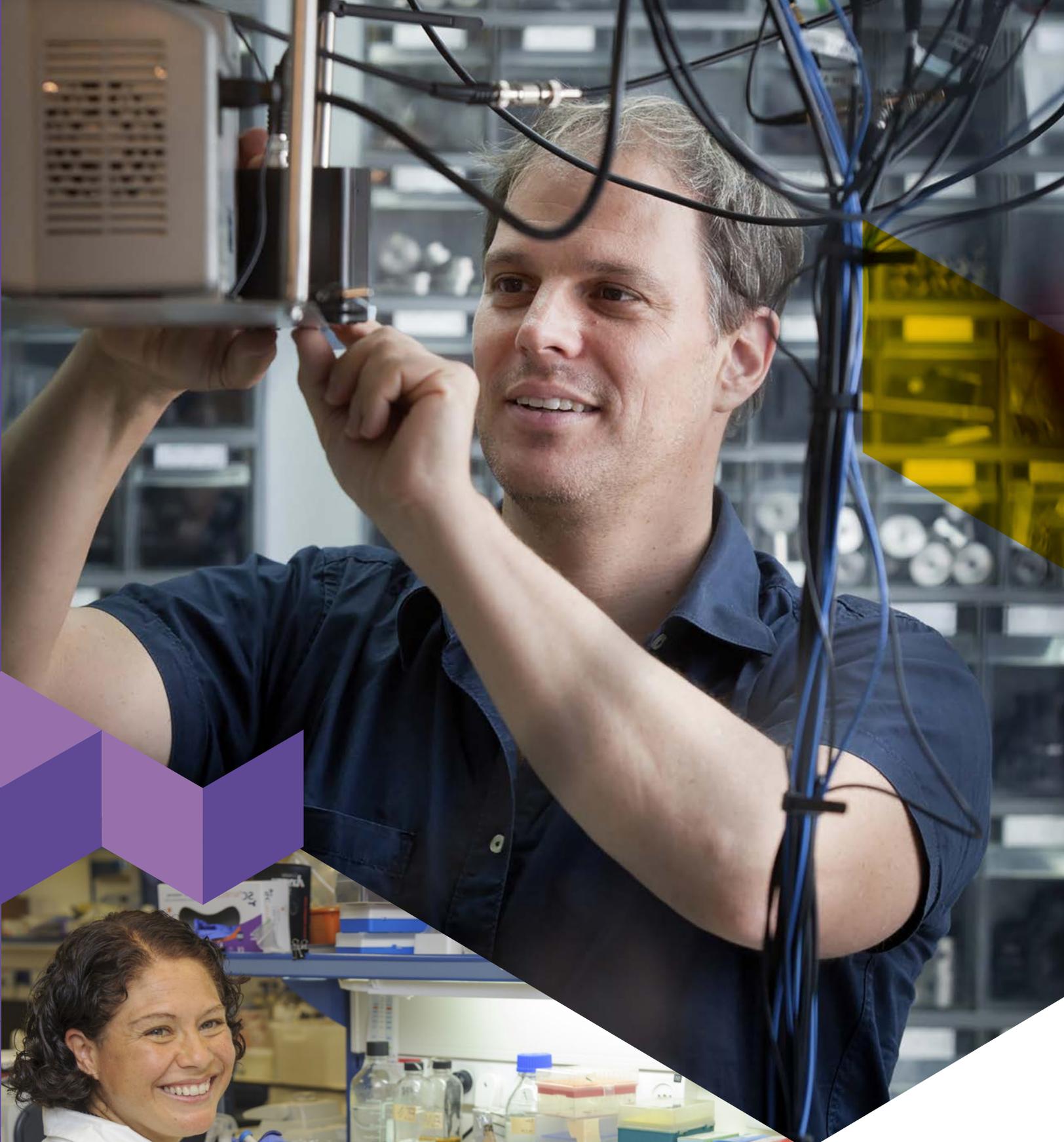
They are also using cryptography to secure our privacy in the digital age; employing machine learning in fields from neuroscience to artificial intelligence; and deciphering big data, which holds the keys to so many mysteries. Immensely powerful telescopes have opened a window to the universe, with Weizmann taking its place in a global network of astrophysicists.

EDUCATION

Since its earliest days, sharing the love of science has been a major focus of the Weizmann Institute's mission, and it extends to everyone: schoolchildren and senior scientists, high school graduates and high school teachers, the underprivileged student and the gifted—and, crucially, the general public. As Weizmann President Prof. Daniel Zajfman says, at a time when our world is increasingly reliant on science to solve unprecedented problems, an open-minded, science-literate citizenry is essential.

Thanks to committed philanthropists, more than 70 programs at the Weizmann Institute's Davidson Institute of Science Education provide instruction and engagement—both in person and online—to students and the broader community. Our renowned Feinberg Graduate School attracts master's and doctoral students from all over the world. Conferences bring foreign scientists—and new perspectives—to campus, igniting collaborations and the exchange of fresh ideas.





A CALL TO ACTION

The past 75 years of Weizmann Institute research have had an impact on a scale the American Committee's founders could never have dreamed. And now, with your personal partnership, the Transforming Tomorrow Campaign will further raise up the Institute's extraordinary students and scientists, carrying them forward as they seek solutions to our world's most urgent challenges.

We invite both long-time and new friends of the Institute to unite for science, recommit to the Institute, and make history once again. This is not only a time to celebrate, but to act: like our founders in 1944, we have the opportunity to effect major change—not just for the Weizmann Institute of Science, but for everyone, everywhere.

Please join us in the Transforming Tomorrow Campaign and accelerate the next 75 years of scientific breakthroughs. Thank you for your shared vision and personal commitment to shaping a brighter tomorrow, in our time and for generations to come.



SCIENCE FOR THE BENEFIT OF HUMANITY

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