

dreams
hope
courage
reality
salk
Where cures begin.



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About Salk

Jonas Salk changed the world. Inspired to rid civilization of polio, he used basic science to solve its mysteries and in the process helped alter the course of the 20th century along with the future of science, medicine and human health. Untold millions have benefited from his work.

The Salk Institute was created to attract the best scientific minds in the world. We've built on his vision and have become the leading center for independent research, delving into the most serious biological questions of our time. Experts come from around the globe to work in open collaboration—conducting innovative and daring research, mapping discoveries and developing the blueprints so that cures can happen, anywhere in the world. Twelve Nobel laureates have called the Salk Institute home.



It's this "critical mass of intellect," which embraces the most modern technologies and prizes discovery over credit, that distinguishes Salk. And it results in some of the world's most breathtaking findings, which advance our understanding of cancer, aging and the brain. These are the first steps that will lead to tomorrow's cures for cancer, Alzheimer's, Parkinson's, heart disease, metabolic diseases, ALS, schizophrenia, childhood development disorders and spinal cord injuries.

Every cure has a starting point. Jonas Salk took his approach and turned it into an institute. He was driven by hope and by the certainty that rigorous science and human determination can cure any disease and improve all lives. Although the world has changed and science has advanced, those values continue to inspire our science at the Salk Institute today.



The Salk Difference

- Thomson Reuters ranked the **Salk Institute's Plant Biology program as the number one** research organization for plant biology in the world, based on the number of highly cited papers with the most impact.
- Impact studies by ScienceWatch measuring scientific citations have ranked **Salk scientists among the world's leaders in neuroscience, molecular biology, genetics and plant biology**, and they are cited more frequently than any other researchers in their fields.
- The SCImago Institutions Rankings (SIR) World Report has identified the **Salk Institute as one of the top five research organizations in the world**, based on excellence and high quality of scientific findings.
- Charity Navigator, the nation's largest evaluator of non-profit business and financial operations, bestowed a **four-star rating for "sound fiscal management" on the Salk Institute.**



Scientific Priorities

Before a disease can be cured, it has to be understood. That's what Salk does.

To conduct pioneering science, Salk has embarked on its first-ever capital campaign to generate the funding necessary to sustain—and accelerate—its extraordinary momentum toward tomorrow's transformative discoveries. The overarching strategic initiatives designed to integrate biological research for disease prevention, therapies and cures are:

Cancer

Salk scientists are pursuing several promising avenues in cancer research, including identifying the cellular pathways of growth and metabolism in tumors, unraveling how cancers override cellular controls, and developing intelligent nanomachines that diagnose and destroy cancers.

Dynamic Brain

Salk scientists are pioneering methods of studying multiple neurons simultaneously to chart these dynamic connections—a historic step in the effort to understand complex psychiatric disorders, such as schizophrenia and autism, and diseases and injuries that impair movement, vision and cognition.



Genomic Medicine

The possibilities for genomic medicine are enormous, but they depend on understanding how genes and environmental factors work together to produce disease. Genomic research at Salk is aimed at identifying common genes and signaling pathways activated in all chronic diseases and at uncovering new targets for therapies.

Healthy Aging

Drawing on their in-depth knowledge of age-related diseases and biological pathways, Salk researchers are working to understand the common mechanisms of aging to help people enjoy a high quality of life in their advanced years.

Plant Biology

Securing the world's food supply in a changing climate is one of the biggest challenges we face in this century, making basic plant science more important than ever. Salk is working to understand the molecular underpinnings of how plants develop, adapt to challenging environments and defend themselves against insects and fungal infections.



Discoveries

Joanne Chory discovered how plants grow to escape shade, a finding that could lead to higher yields of crops for food and biofuels and more efficient use of farmland.

Francis Crick discovered the helical structure of DNA along with James Watson and he went on to build a visionary neuroscience program at the Salk Institute.

Renato Dulbecco and **Robert Holley established** the role of tumor viruses and cell growth factors in cancer, leading to major advances in understanding how human cancer arises and attacks the body. Dulbecco called for sequencing of the human genome to further unravel the mechanisms of cancer.

Joe Ecker mapped the first complete human epigenome leading to a better understanding of how genome function is regulated in health and disease.

Ronald Evans discovered a large family of chemical switches inside cells that regulate virtually every developmental and metabolic event in the body.



Fred Gage established that stem cells give rise to new brain cells throughout life and might be harnessed to repair the aged and damaged brain and spinal cord.

Tony Hunter's discovery of a chemical modification of proteins led to the development of a new generation of drugs including Gleevec for leukemia and drugs for gastrointestinal and lung cancer.

Leslie Orgel and Bob Sanchez discovered a simple and economical way to make cytosine arabinoside (Ara-C), a compound that is now one of the most common treatments for leukemia.

Terrence Sejnowski founded the field of computational neuroscience to study how the human brain learns and stores memories.

Clodagh O'Shea discovered how the common cold virus overpowers a cell. This mechanism could help both understand and treat cancer.

Inder Verma invented a gene-delivery system that enabled an international team to successfully treat children with adrenoleukodystrophy, a rare fatal disease.



Salk Scientists

Faculty

William R. Brody
(President)

Thomas D. Albright

Nicola Allen

Kenta Asahina

Janelle Ayres

Ursula Bellugi

Suzanne Bourgeois

Edward M. Callaway

Hu Cang

Sreekanth Chalasani

Joanne Chory

Melvin Cohn

Joseph R. Ecker

Walter Eckhart

Beverly M. Emerson

Ronald M. Evans

Fred H. Gage

Martyn D. Goulding

Diana Hargreaves

Martin W. Hetzer

Tony Hunter

Juan Carlos Izpisua Belmonte

Xin Jin

Katherine A. Jones

Jan Karlseder

Christopher R. Kintner

Julie Law

Kuo-Fen Lee

Greg Lemke

Björn F. Lillemeier

Vicki Lundblad

Marc R. Montminy

Saket Navlakha

Axel Nimmerjahn

Joseph P. Noel

Dennis D. M. O'Leary

Clodagh O'Shea



Satchidananda Panda
Samuel L. Pfaff
John H. Reynolds
Catherine Rivier
Jean E. F. Rivier
Alan Saghatelian
Paul E. Sawchenko
David R. Schubert
Terrence J. Sejnowski
Tatyana Sharpee
Reuben J. Shaw
Charles F. Stevens
John B. Thomas
Inder M. Verma
Geoffrey M. Wahl
Ye Zheng

Non-Resident Fellows

David Baltimore
Elizabeth H. Blackburn
Caroline Dean
Jack Dixon
Thomas M. Jessell
Eric S. Lander
Jennifer Lippincott-Schwartz
J. Anthony Movshon
Carla J. Shatz
Irving L. Weissman

Distinguished Professors

Sydney Brenner
Roger Guillemin

Salk by the Numbers

5	Nobel Laureates
1	National Medal of Science
3	Fellows of the Royal Society
14	National Academy of Sciences Members
14	American Association for the Advancement of Science Fellows
7	Howard Hughes Medical Institute Investigators
8	Institute of Medicine Members
2	National Academy of Engineering Members
2	American Cancer Society Professors
5	American Philosophical Society Members
14	American Academy of Arts & Sciences Members
325	Research staff
234	Postdoctoral scholars
3,200	Alumni - former postdoctoral and graduate students
46	Countries represented by Salk faculty, staff & students
33	Biotech companies spun off or inspired by Salk discoveries
509	U.S. & foreign patents covering Salk technology (another 100+ pending)
3,000	San Diego middle & high school students involved in Salk Institute education outreach activities

Why I Support Salk...

“My time at Salk in Wylie Vale’s lab literally changed the course of my life. Salk is the place where rigorous science and human determination come together to impact human health.” **Liz Keadle, Salk Trustee**

“There’s simply no substitute for having these remarkable faculty talk about their work and why they are doing it. You can actually speak to Tony Hunter, the Salk researcher whose work led to Gleevec, the number one cancer drug in the world. This is what has endeared me to the Salk.” **Daniel C. Lewis, Salk Trustee**

“Salk is an incubator for Nobel Prize winners. I never thought I’d make it to this age. And it’s all thanks to the Salk that I’m here and enjoying these later years. Any research you can think of, the Salk is doing it!”
Art Woodrow

A background image of vertical wood panels in various shades of brown, from light tan to dark chocolate, with visible grain and knots.

Supporting Discoveries

The Currency of Discovery

A gift to unrestricted endowment is a long-term investment in the Salk Institute's mission and science. It provides scientific agility, and the ability to respond to changes in government funding and to address strategic priorities as they arise. You will be part of an enduring legacy for generations to come.

The Jonas Salk Circle is a philanthropic commitment of an unrestricted gift of \$1 million or more by visionary donors passionate in the belief that Salk is truly "Where cures begin."

Impacting Human Health

Private philanthropy is the cornerstone of support for our faculty and their research. You can make an impact on health and humanity by supporting our scientists in a number of ways:

- Salkexcellerators are the next generation of contributors who support fellowships for young Salk scientists.



- The President's Club recognizes donors of unrestricted gifts of \$2,500 or more dedicated to flexible support for innovative research.
- The Chairman's Circle includes supporters whose unrestricted gifts of \$25,000 or more will directly impact Salk science and discovery.
- Annual Giving is the foundation of the Institute's philanthropic support. Annual gifts tend to be unrestricted gifts to help meet the most pressing scientific needs and challenges.

In contrast to unrestricted giving, designating your gift toward a particular disease area, project or purpose is a personal way to stay close to the science and remain invested in the impact of your contribution.

Partners In Research have lasting legacies at the Salk Institute. Planned gifts maximize tax and other financial benefits for donors, families and the Salk Institute. These gifts are made by naming Salk as a beneficiary of a trust, will or retirement plan, establishing a charitable remainder trust, lead trust, gift annuity or giving remainder interest in real property to the Institute.





Key Contacts

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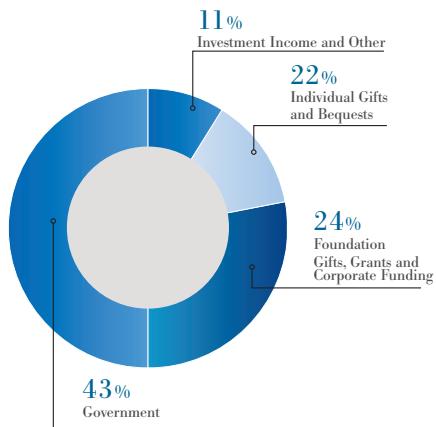
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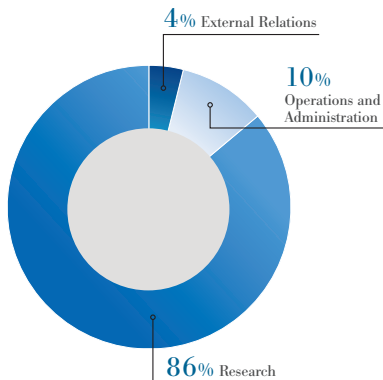


Financial Overview

PERCENTAGE OF REVENUES



PERCENTAGE OF EXPENDITURES





Salk Leadership

William R. Brody

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Senior Vice President,

Chief Financial Officer

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Board of Trustees

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(President)

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(Chair)

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(Vice Chair)

M. Faye Wilson

(Vice Chair)

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Ralph S. O'Connor

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Ernest S. Rady

Mary Jane Salk

Benjamin S. Schapiro

Darlene Marcos Shiley

Jerre L. Stead

Theodore W. Waitt

Harvey P. White

Marna C. Whittington

The Campaign for Salk

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Irwin M. Jacobs

Co-Chairs

Howard H. Newman

Darlene Marcos Shiley

Honorary

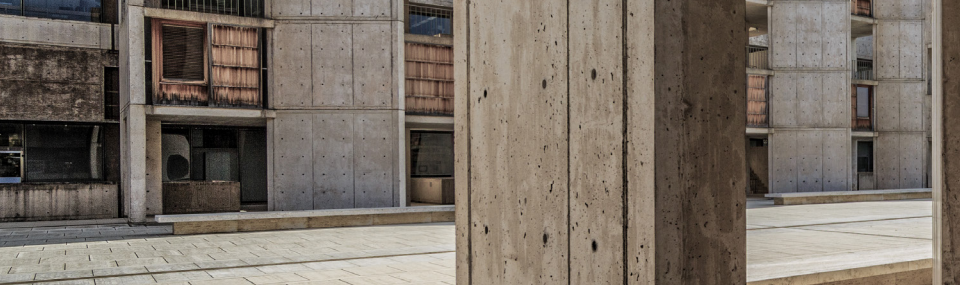
Co-Chairs

Françoise Gilot-Salk

Corinne Mentzelopoulos

G. H. Thyssen-Bornemisza

* Faculty members



Salk Architecture

The Salk Institute was established in the 1960s by Dr. Jonas Salk, developer of the polio vaccine. Salk selected world-renowned architect Louis Kahn to design the facility and bring to life his distinct vision for the Institute. He directed Kahn to provide spacious, unobstructed laboratory spaces that could be adapted to the ever-changing needs of science. The building materials had to be simple, strong, durable and as maintenance-free as possible.

Kahn's creation includes:

- Two mirror-image structures that flank a grand courtyard and are six stories tall
- Three floors containing laboratories
- Separate towers providing space for individual professorial studies
- Six floors of offices overlooking the ocean at the west end of the Institute
- 29 separate structures joined together to form the Institute



Employing his imaginative use of space and high regard for natural light, Kahn flooded the laboratories with daylight.

The materials chosen were concrete, teak, lead, glass and special steel. The poured-in-place concrete walls create the first bold impression for visitors. Kahn actually referred back to Roman times to rediscover the waterproof qualities and the warm, pinkish glow of “pozzolanic” concrete. Once the concrete was set, he allowed no further processing of the finish—no grinding, no filling, and above all, no painting.

The architect chose an unfinished look for the teak surrounding the study towers and west office windows, and he directed that no sealer or stain be applied to the teak. The building’s exterior, with only minor required maintenance, today looks much as it did in the 1960s.

In 1992, the Salk received a 25-Year Award from the American Institute of Architects (AIA) and was featured in the AIA exhibit, *Structures of Our Time: 31 Buildings That Changed Modern Life*. The Salk Institute has been described as one of the single most significant architectural sites in the United States.



Get to Know Us

“A great building must begin with the unmeasurable, must go through measurable means when it is being designed and in the end must be unmeasurable.”

Louis Kahn, Architect

The Salk Institute offers guided architectural tours of its iconic buildings and breathtaking grounds Monday through Friday at 11:45. Requests for reservations are required a minimum of two business days in advance and can be made online at:

www.salk.edu/tours

For all additional information, call Salk Tours at:
858.453.4100, x1287.

Group Tours

Groups of six or more are asked to schedule an individual tour two weeks in advance. A minimum \$150 donation is requested for groups up to 15. Larger groups can be accommodated on a case-by-case basis. Group tours cannot be scheduled during the 11:45 tour. The Institute's normal business hours are:

Monday through Friday, 8:30 a.m. – 5:00 p.m.



Our Mission

Every cure has a starting point. Like Dr. Jonas Salk when he conquered polio, Salk scientists are dedicated to innovative biological research. Exploring the molecular basis of diseases makes curing them more likely. In an outstanding and unique environment, we gather the foremost scientific minds in the world and give them the freedom to work collaboratively and think creatively. For over 50, years this wide-ranging scientific inquiry has yielded life-changing discoveries impacting human health. We are home to Nobel Laureates and members of the National Academy of Sciences who train and mentor the next generation of international scientists. We lead biological research. We prize discovery. Salk is where cures begin.



Salk Institute for Biological Studies

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