

New York Stem Cell Foundation

NYSCF The New York
Stem Cell Foundation
Accelerating Stem Cell Research Through Collaboration

178 Columbus Avenue
#237064
New York, NY 10023
(212) 787-4111
www.nyscf.org



Mission

The New York Stem Cell Foundation's (NYSCF) primary mission is to accelerate cures for all major diseases through stem cell research.

Strategy/Approach

NYSCF focuses its programs in four different areas:

- **Research** – Support and enable the unrestricted pursuit of the most advanced stem cell research, both in NYSCF's laboratory and through collaborations with major medical research institutions.
- **Postdoctoral Fellowship Program and Investigator Awards** – Support and train the next generation of scientists, both at the postdoctoral level as Fellows, and as Early Career Investigators pursuing innovative translational stem cell research in their own laboratories.
- **Conference and Symposia** – Convenes annual translational stem cell research conference and an ongoing series of programs for scientists, policymakers, and the public.
- **NYSCF-Robertson Prize** – Honors the most significant achievement in stem cell research each year by a scientist under the age of 40.

Research Portfolio

NYSCF opened its first collaborative human embryonic stem cell research lab in 2006. The lab has since doubled in size three times. It provides a "safe haven" for top stem cell researchers to conduct collaborative, cutting-edge embryonic stem cell work free of federal constraints. The lab's screening facility enables NYSCF's scientists and collaborators to take their current research a step further – using the disease-specific stem cell lines in assays for the screening of curative drug therapies. This shared, multi-institutional center allows for isolation and derivation of embryonic stem cell and adult induced Pluripotent Stem (iPS) cell lines, including patient and disease specific lines.

NYSCF also provides several different types of **grants** annually:

- **Postdoctoral Fellowships** – For researchers in New York, New Jersey, and Connecticut, with a focus on basic, pre-clinical, and translational studies in stem cell research
 - *\$50,000/year for up to three years*
- **Stem Cell Investigator Awards** – NYSCF provides funding to and partners with early-career investigators with the potential to reform the field of stem cell research

- *Maximum \$1.5 million over 5 years*
- **Neuroscience Investigator Awards** – NYSCF provides funding to and partners with early-career investigators with the potential to reform the field of neuroscience
 - *Maximum \$1.5 million over 5 years*
- **NYSCF-Robertson Prize** – Honors the most significant achievement in stem cell research each year by a scientist under the age of 40
 - *\$200,000 prize awarded annually*

Partnership Practices

NYSCF partners with a wide variety of academic investigators through its diverse grant programs. Corporate supporters of NYSCF's Annual Translational Stem Cell Research conferences have included Pfizer, Cell Genix, iPerian, and BD.

NYSCF is partnering with the National Institutes of Health (NIH) Undiagnosed disease program (UDP) to generate stem cell lines from 100 patients in the program. Collaboration with UDP researchers will aim to better understand and potentially treat select rare diseases.

NYSCF partners with biotech and pharmaceutical companies. The foundation's Business Council – comprised of leaders from biotechnology, pharmaceutical, and venture capital companies who share the foundation's vision and mission – assists the foundation in developing strategies for working with the private sector to advance stem cell research, establishing collaborations with industry partners to maximize the possibilities of developing therapeutics derived from research supported by NYSCF.

Financials

NYSCF is a 501(c)(3) charitable organization. The most recent financial information available is from 2012.¹

Year ending 6/30/2012:

- Revenue: \$15,327,528
- Net Assets: \$49,637,635
- Medical Research Grants: \$4,733,063
- Gifts received: \$15,295,167
- Expenditures: \$16,567,568

¹ Information obtained from GuideStar, <http://www.guidestar.org/Home.aspx>, March 2014.

Key Accomplishments

- NYSCF's scientist produced a study that proves that human embryonic stem cells can be used to grow bone tissue grafts for use in research and potential therapeutic application.
- NYSCF's research on using iPS cells to develop treatments for blood-related disorders was highlighted in the White House Office of Science and Technology Policy's National Bioeconomy Blueprint.
- TIME Magazine named NYSCF's research in which adult skin cells from patients with Type 1 diabetes were reprogrammed and differentiated into other cell types in the body the number one medical breakthrough of 2011.
- Several NYSCF scientists published revolutionary stem cell research including:
 - *The finding that stem cells mimic early-stage liver cells.*
 - *The generation of functional insulin-producing cells.*
 - *The discovery that mouse skin cells can bypass the stem cell stage and be converted directly into cells that become the three main parts of the nervous system.*
- NYSCF Chief Scientific Officer Kevin Eggan created a model of Lou Gehrig's disease in a petri dish using induced pluripotent stem cells, and this work was named the number one medical breakthrough of 2008 by TIME and Science magazines.

Leadership

NYSCF is governed by a **Board of Directors**, a **Medical Advisory Board**, a **Leadership Council**, and a **Business Council**.

- **CEO and Co-Founder:** Susan Solomon, ssolomon@nyscf.org
- **Chief Scientific Officer:** Kevin Eggan, PhD, keggan@nyscf.org
- **VP, External Relations:** Medora Falkenberg, mfalkenberg@nyscf.org
- **VP, Research and Development:** Stephen Chang, PhD, schang@nyscf.org
- **Laboratory Director:** Scott Noggle, PhD