

# NYBCe RESEARCHER PROFILE



## LARRY LUCHSINGER, PhD

Senior Vice President and Chief Scientific Officer  
Associate Member and Director, LFKRI

Twitter: [@L\\_Luchsinger](#) LinkedIn: [@larryluchsinger/](#)

### BACKGROUND

#### Degree Institutions

- Marquette University - BS (Chemistry)
- Boston University - MS (Chemistry)
- Boston University School of Medicine - PhD (Biochemistry)

#### Postdoctoral Training

- Columbia University Medical Center

### AREAS OF RESEARCH

- Hematopoietic Stem Cell Research
- Induced Pluripotent Stem Cell Bank
- COVID19 Research

### KEY PUBLICATIONS



### CONTACT

To contact the lab, email Dr. Luchsinger at [LLuchsinger@nybc.org](mailto:LLuchsinger@nybc.org) or the Office of Sponsored Programs at [researchadmin@nybc.org](mailto:researchadmin@nybc.org).

To learn more about NYBCe patents and licensing, visit our webpage: <https://www.nybce.org/our-research/nybce-technology-discoveries/>.

### NYBCe LAB DESCRIPTION

Laboratory of Stem Cell Regenerative Research: focuses on investigating novel signal transduction machinery and pathways underpinning hematopoietic stem cell (HSC) maintenance and self-renewal that have yet to be explored.

iPSC Program: research focuses on isolation, reprogramming and characterization of HLA-homozygous iPSC lines derived from CD34+ cord blood cells and establish the NYBCe Haplobank of clinical-grade HLA homozygous iPSCs.

### INDUSTRY & ACADEMIC PARTNER COLLABORATIONS

- Associate Editor: Blood Cells, Molecules and Diseases (BCMD) Journal
- Ad Hoc Reviewer: NIH Basic Biology of Blood, Heart, Vasculature (BBHV) and Fellowships in Vascular and Hematological Systems (F grants)
- NIH R01 - Hormetic ER Stress response in HSCs (2021 - 2026)
- Sub-awardee participation with Columbia and Mt. Sinai (2022 - 2027)

### COLLABORATIONS OF INTEREST

- Partners that can assist in the advancement of the following project goals, with an emphasis on translating research into the clinic.

### PROJECT GOALS

- Stress Response Regulation of HSC Maintenance
- Mechanisms of Ca<sup>2+</sup> Signaling
- Plasma Membrane Signal Transduction
- Cord Blood HLA Homozygous iPSCs
- Serological and Convalescent Plasma Research

