



Gerstner Sloan Kettering
Graduate School of Biomedical Sciences

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CANCER BIOLOGY & GENETICS PROGRAM

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The Viviane Tabar Lab

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Viviane Tabar, MD

Professor

I am a neurosurgeon-scientist and Chair of the Department of Neurosurgery. I have clinical expertise in the surgical management of brain tumors such as complex gliomas, meningiomas, and skull base tumors.

The lab is focused on two major themes: harnessing the potential of human pluripotent stem cells for brain

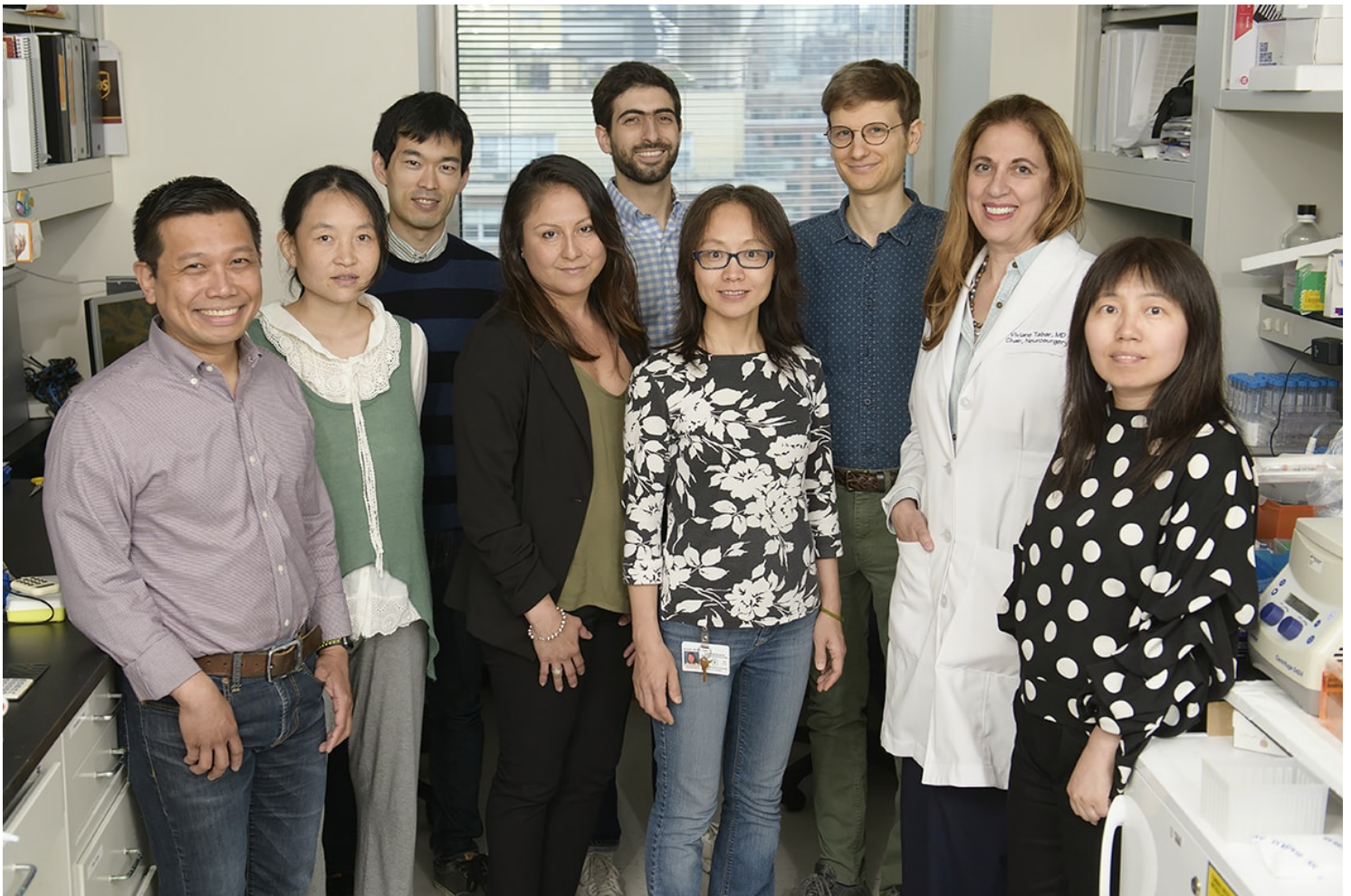
repair and tumor modeling and studying glioma biology with a focus on tumor cell heterogeneity and the microenvironment.

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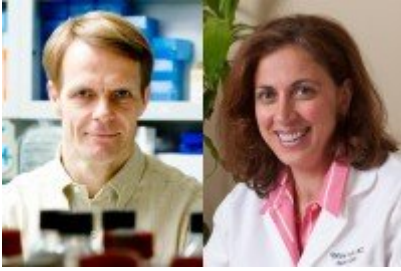
Research Projects

[Human ES cells as a platform for modeling brain tumors](#)

[Human ES-derived grafts for repair of radiation injury](#)



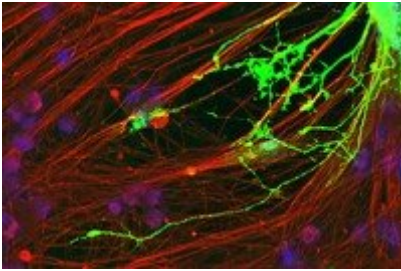
Featured News



[Upcoming Clinical Trial Will Test New Cell Therapy for Parkinson's Disease in Humans](#)

Study will be the first clinical trial testing an investigational stem cell therapy aimed at restoring lost brain cells called neurons in people with advanced Parkinson's disease (PD).

IN THE LAB



[Can Stem Cells Be Taught to Repair a Radiation-Damaged Brain?](#)

In a recent study, Memorial Sloan Kettering scientists used stem-cell engineering to repair brain injuries in rats. The results raise hope for future therapies that could prevent or fix nerve damage in cancer patients who need brain radiation.

IN THE LAB



[Investigators Use Stem Cells to Study Rare Pediatric Brain Tumors](#)

Investigators have created the first-ever genetically engineered model of cancer made from human embryonic stem cells in culture.

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Publications Highlights

Berlin C, Lange K, Lekaye HC, Hopland K, Phillips S, Piao J, Tabar V. Long-term clinically relevant rodent model of methotrexate-induced cognitive impairment. *Neuro Oncol.* 2020 April 2; 22(8): 1126-1137PMCID: PMC7594568.

Dincer Z, Piao J, Niu L, Ganat Y, Kriks S, Zimmer B, Shi S, Tabar V, Studer L et al. Specification of functional cranial placode derivatives from human pluripotent stem cells. *Cell Rep.* 2013;5(5):1387-1402. PMCID: PMC3887225

Funato K, Major T, Lewis PW, Allis CD, Tabar V. Use of human embryonic stem cells to model pediatric gliomas with H3.3K27M histone mutation. *Science.* 2014 Dec 19;346(6216):1529-33. PMCID: PMC4995593

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People



Viviane Tabar, MD

Professor

Physician-scientist Viviane Tabar focuses on stem cells as tools for brain repair and for modeling brain cancer.

MD, American University of Beirut

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Physician profile

Members



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Senior Research Assistant



Jinghua Piao

Senior Research Assistant

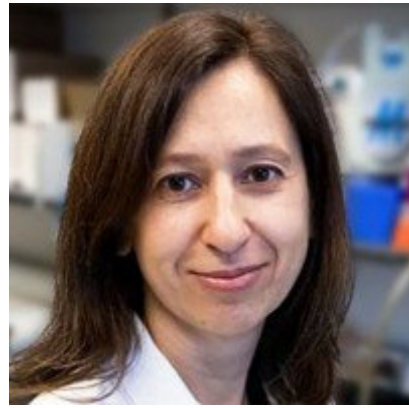


Zaki About

Mrad

Postdoctoral Fellow

Nidia
Claros
Research Lab Manager

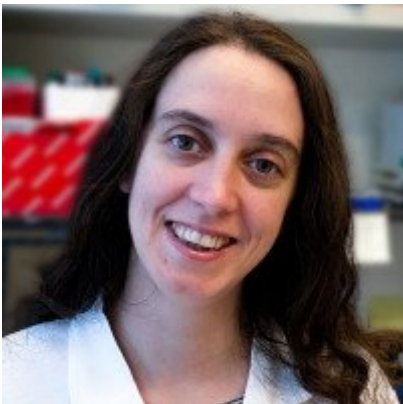


Shkurte Ademi
Donohue
Research Technician

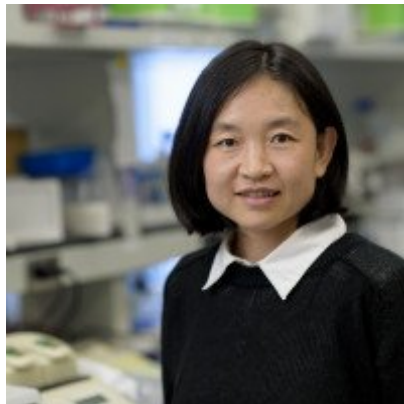
Elena Goldberg
Scientific Research
Manager



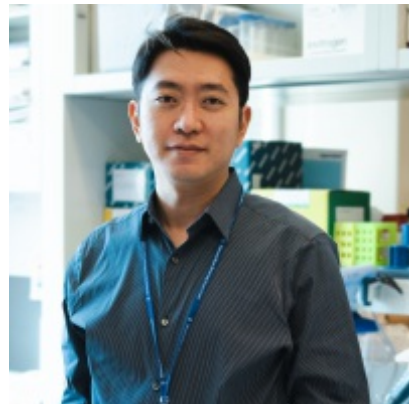
Kelsey Hopland
Graduate Student



Lucia Ruiz Perera
Research Fellow



Yanhong Yang
Research Scholar



Kenny Kwok Hei
Yu
Instructor, Dept. of
Neurosurgery

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+

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Disclosures

Doctors and faculty members often work with pharmaceutical, device, biotechnology, and life sciences companies, and other organizations outside of MSK, to find safe and effective cancer treatments, to improve patient care, and to educate the health care community.

MSK requires doctors and faculty members to report (“disclose”) the relationships and financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public.

Viviane Tabar discloses the following relationships and financial interests:

American University of Beirut

Fiduciary Role / Position

BlueRock Therapeutics

Professional Services and Activities

The information published here is for a specific annual disclosure period. There may be differences between information on this and other public sites as a result of different reporting periods and/or the various ways relationships and financial interests are categorized by organizations that publish such data.

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