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Cancer Center

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CANCER BIOLOGY & GENETICS PROGRAM

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## The Viviane Tabar Lab

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Viviane Tabar, MD

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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.

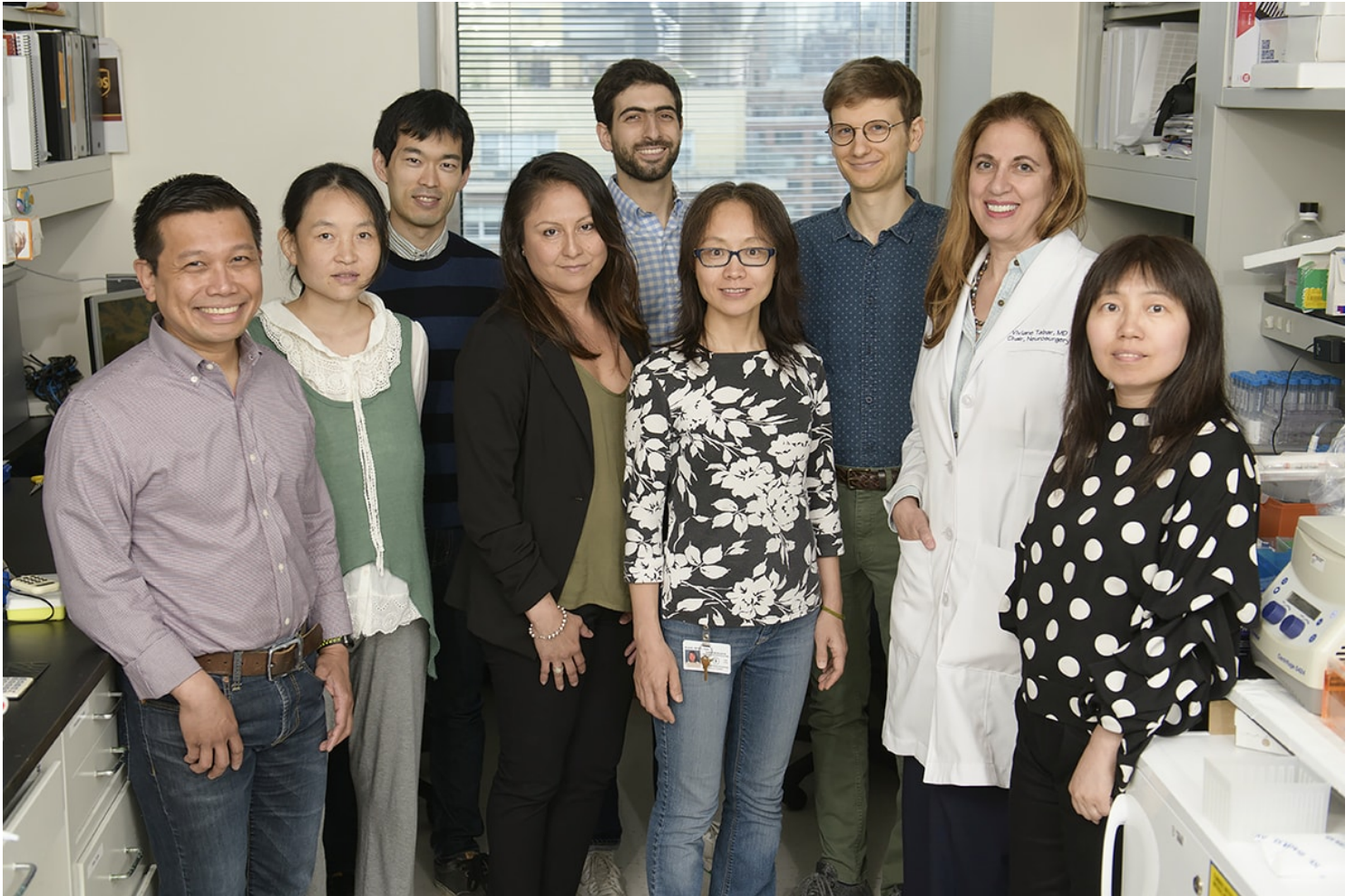
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## Research Projects

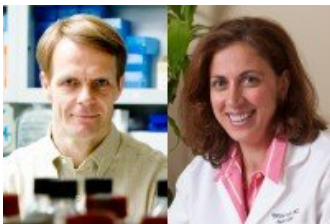
The Viviane Tabar Lab

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

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



## Featured News

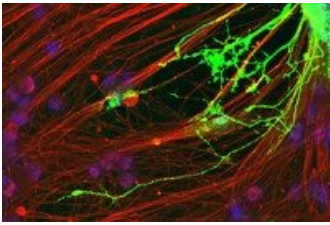


### [Upcoming Clinical Trial Will Test New Cell Therapy for Parkinson's Disease in Humans](#)

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

The Viviane Tabar 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.

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

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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**

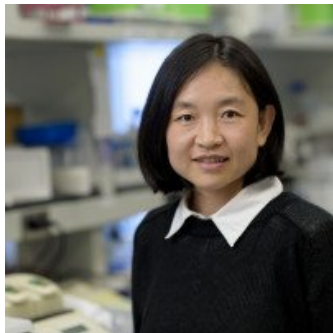
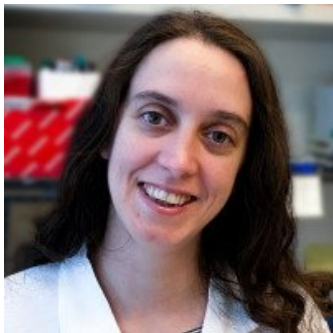
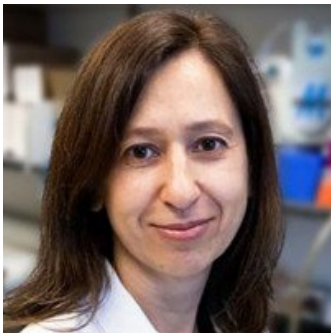
Physician-scientist Viviane Tabar focuses on stem cells as tools for brain repair and for modeling brain cancer.  
MD, American University of Beirut

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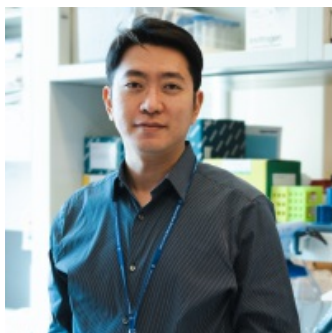


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Lucia Ruiz Perera  
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Yanhong Yang  
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Instructor, Dept. of  
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+

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## Achievements

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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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This page and data include information for a specific MSK annual disclosure period (January 1, 2022 through disclosure submission in spring 2023). This data reflects interests that may or may not still exist. This data is updated annually.

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