

**Manhattanville in West Harlem Implementation Plan Report
October 15, 2025 Submission**

Declaration Reference and Key Data

Obligation Section Number: **5.07(c)(i)**

Obligation Title: **Mind Brain Behavior K-12 Education Center**

Obligation Page Number: **52**

Obligation Trigger: **Issuance of TCO for Development Site 2**

Obligation Start Date: **August 25, 2016**

Obligation End Date: **25 Years from Commencement of the Education Center's Full Operation***

Obligation Status: **In Compliance**

Obligation

Mind Brain Behavior K-12 Education Center. CU shall locate within Development Site 2 (the proposed Jerome L. Greene Science Center) to be constructed in Stage 1 a Center to educate the community about diseases that affect the mind and brain as well as the advances being studied by CU's faculty and researchers. The Center shall encourage and design programs for local elementary, junior high school, and high school students. The Center shall commence operation upon issuance of the temporary certificate of occupancy for the Jerome L. Greene Science Center and operate for a 25-year period from commencement of full operation.

* The center opened to the public in February 2017. Therefore, this obligation will be in effect until 2042, 25 years from the commencement of the center's full operation.

Evidence of Compliance

1. Press release and/or announcement about center opening
2. Link to website
3. Annual report
4. Signage at Jerome L. Greene Science Center

Columbia University's Implementation Plan and all supporting documentation are made available on the Columbia Neighbors Webpage at <https://neighbors.columbia.edu/content/community-commitments>.


Public Programs at the Zuckerman Institute

Science and community come together at Columbia's Mortimer B. Zuckerman Mind Brain Behavior Institute

The Zuckerman Institute is delighted to call Manhattanville home and eager to share with our neighbors the challenge and excitement of learning how our minds and brains work. Our Education Lab, located near the 129th Street entrance of the Jerome L. Greene Science Center, is open year round and hosts a variety of hands-on brain science programs. Designed with feedback from the community, these programs harness the groundbreaking research of the institute in creative ways for school children, families, after-school groups, teachers and adults. Contact us to learn more about our programs; we have only just begun!

Community Brain Expo

What does a human brain feel like? Come find out at the Zuckerman Institute's Community Brain Expo. We invite our neighbors to join us for this free public event, held every spring, which features head-scratching demonstrations and mind-boggling activities for every age. Visitors put their minds to the test as they learn about how we see the world around us, how our memories work and other fundamental aspects of the mind and brain. Led by actual scientists, the event is organized by Columbia University Neuroscience Outreach, a group of Columbia graduate students devoted to sharing brain science with the public. The event is held in celebration of Brain Awareness Week.



The Zuckerman Institute's
Kelley Remole explains brain
science to a group of students.
Credit: Columbia University



BRAINYAC: Brain Research Apprenticeships in New York at Columbia

Hands-on experience in a laboratory is essential for preparing today's youth to become tomorrow's scientists. With this in mind, the Zuckerman Institute's Brain Research Apprenticeships in New York at Columbia (BRAINYAC) program provides an immersive science research experience in which high school students train and work in neuroscience laboratories at Columbia University. The BRAINYAC program is open to students from select partner programs and schools that serve students in Upper Manhattan and the Bronx. Each student is matched with a Columbia neuroscientist, a mentor who guides the student through a research project. Students come away from the experience with an enhanced understanding of how laboratory research leads to transformative discovery, exposure to a professional academic environment and a stronger connection to science as a career. BRAINYAC receives generous support from the Pinkerton Foundation and the Stavros Niarchos Foundation.

For more information about the public programs at Columbia's Zuckerman Institute, please contact:

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Brain Insight Lectures and Teacher-Scholar Program

At the Brain Insight Lectures, free and open to the public, eminent Columbia scientists and scholars examine how brain science intersects with everyday life. Speakers have included Olajide Williams, MD, who spoke about how to prevent strokes in communities of color and Frances Champagne, PhD, discussed how our early experiences shape our behavior. Upcoming lecture by Thomas M. Jessell, PhD, will share his groundbreaking work on the neuroscience of movement. These lectures are the scientific cornerstone of our Teacher-Scholar Program, which introduces middle and high school science teachers in New York City to cutting-edge brain science for the duration of the school year. Using the lectures as case studies, the teachers participate in workshops and create a lesson plan each semester that brings neuroscience back to their classrooms. Teachers who complete the program emerge with greater knowledge of neuroscience, a deeper understanding of the scientific process and a toolbox of concrete ways to implement their knowledge in the classroom. These programs are made possible with generous support from the Stavros Niarchos Foundation.

Mind Brain Behavior K-12 Education Center

Link to website:

<https://zuckermaninstitute.columbia.edu/engage>



Columbia University in the City of New York

COLUMBIA | Zuckerman Institute

Mind. Brain. Behavior.

SCIENCE | PEOPLE | PROGRAMS | ENGAGE | EVENTS | NEWS | ABOUT

SEARCH | EMAIL | SOCIAL MEDIA | SUPPORT

Engage

Science and community engage with each other at Columbia's Zuckerman Institute. We are delighted to call Manhattanville home and eager to share with our neighbors the challenge and excitement of learning how our minds and brains work.

Students learn about the wonders of the brain at the 2016 Community Brain Expo (Credit: Michael DiVito/Columbia University).

Explore Science with Us!

We host a variety of hands-on brain science programs in the Education lab at the Jerome L. Greene Science Center, located at 609 W 129th St. Designed with feedback from the community, these programs harness the groundbreaking research of the Institute in creative ways for school children, families, after-school groups and adults. Please see below for a list of our current on-site programs and virtual resources.

Many of our programs such as Art in the Education Lab and Breakout Science grow out of community partnerships. If you are interested in partnering with us, please fill out our [interest form](#) or email programs@zi.columbia.edu.

Annual Report: Mind Brain Behavior K-12 Education Center

State Submission Reporting Period: **October 2024 - September 2025**

The ground floor of the Jerome L. Greene Science Center is open to all and is a neighborhood-based resource for brain science education. On February 11, 2017, the Mind Brain Behavior K12 Education center opened, called the Education Lab. Education programs bring together groundbreaking research in creative and exciting ways for school children, families, adults and teachers. Located near the 129th Street entrance to the building, this 1,500 square foot space was designed to resemble the scientific research laboratories of the Zuckerman Institute.

Saturday Science Events and Youth Programming

One of the Institute's programs at the Education Lab is Saturday Science – a themed free event for students, families and community groups held once a month through the school year. Saturday Science activities and demonstrations are engaging and informative, providing launching points for further exploration, reflection and discovery.

During the reporting period, seven Saturday Science events and one Education Lab visit were offered. All events were held in person.

Saturday Science events:

The Saturday Science event on October 19, 2024, attracted 307 children and their families, 53% of whom were first-time attendees and 67% of whom lived in the community zip codes. The event on November 23, 2024, had an attendance of 343, with 55% first-time attendees and 47% community zip code residents. On February 22, 2025, attendance was 180, with 54% first-timers and 58% community residents. On March 15, 2025, attendance was 240 with 50% first-timers & 58% community residents. On April 19, 2025, attendance was 224, with 62% first-timers and 60% community residents. On June 7, 2025, the event, held in coordination with Manhattanville Community Day, attracted 206 attendees, with 68% first-time attendees and 60% community residents. On September 27, 2025 attendance was 286, with 60% first-timers & 67% community residents.

Education Lab visit:

On December 6, 2024, the Education Lab co-sponsored with Columbia Neuroscience Society (CNS) a visit from 15 home-schooled students between the ages of 12 and 15. After a presentation on neuroanatomy and DNA, the youngsters were guided in performing their own strawberry DNA extractions.

Brain Insight Lectures

The Zuckerman Institute's free public lecture series, the Stavros Niarchos Foundation Brain Insight Lectures, examines ways that brain science intersects with everyday life. Each lecture features Columbia researchers whose approaches to the science of brain and mind resonate with a public audience. The lectures, offered four times a year, are the scientific cornerstone of the Stavros Niarchos Foundation Teacher-Scholar program, a competitive program that introduces high school science teachers in New York City to cutting-edge brain science for the duration of a school year. This series is beyond the requirement of Columbia's commitment.

During this reporting period, there were four events held. All were held in a hybrid format with both the option to attend in person or watch the live streaming open to all registrants. A recording was sent to all registrants afterwards and posted on YouTube. Lectures were held on the following dates: November 19, 2024, March 18, 2025, May 13, 2025, and September 9, 2025. Collectively, these events had 330 in person attendees and 675 virtual live attendees. Recordings of the lectures garnered a combined 1,100 views on YouTube afterwards.

Additional Public Programming

For the period October 2024 through September 2025, the Education Lab was open to visitors, and public programming resumed, including the BRAINYAC high school internship program, Saturday Science events, the Stavros Niarchos Foundation Teacher-Scholar program and Brain Insight Lecture series, Art in the Education Lab, the Teacher Institute for Neuroscience and Society (a new pilot program for middle school teachers funded by the Dana Foundation), BrainSTEM In Action (a Chancellor's Day professional development opportunity for middle and high school teachers), and collaborative community events with partners such as the National Jazz Museum in Harlem, A. Philip Randolph Older Adult Center, and Sing for Science. During this period, the Education Lab hosted a total number of 1,264 events for a total of 15,137 hours of science programming for the public. This number also includes activities hosted by our partner program, the independently operated BioBus, Inc.

Program Outreach

Each program has a customized publicity strategy built on targeting communities in upper Manhattan and the South Bronx. For example, the Zuckerman Institute publicizes Saturday Science to reach students, families, teachers and community members in upper Manhattan and the South Bronx. Local schools, libraries and community organizations such as Manhattanville Community Center and NYPL are informed of this free, fun-filled event electronically via email and through printed flyers.

The Stavros Niarchos Foundation Teacher-Scholar and BrainSTEM In Action programs are publicized each spring during its application period to schools in the local community and city-wide via emails and posts to specific mailing lists including I Teach NYC, Math for America, STEM Teachers NYC, and Ingrid's List. Flyers are shared by email with schools including KIPP Infinity Charter School, Frederick Douglass Academy II Secondary School, Opportunity Charter School, Wadleigh Secondary School for the Performing Arts, Edward A Reynolds West High School, Success Academy Charter School - Harlem 1, Urban Assembly for Performing Arts, Harlem Children's Zone Promise Academy Charter School, and Democracy Prep Endurance Charter School.

The Teacher Institute for Neuroscience and Society is publicized starting 3 months prior to each program offering during its application period. In addition to the same mailing lists and platforms listed above, we contact specific schools including Booker T. Washington Middle School, The Young Women's Leadership School, West Prep Academy, Mott Hall 2, New Design Middle School, KIPP Washington Heights Middle School, Community Health Academy of the Heights, and Isaac Newton Middle School.

Additional Supporting Documentation

- Copies of Saturday Science flyers and programming materials
- Copy of Stavros Niarchos Foundation Teacher-Scholar Program flyer
- Copy of BrainSTEM In Action flyer
- Copy of Teacher Institute for Neuroscience and Society flyer (Winter 2025 cohort; May 2025 summit)
- Copies of flyers for additional public programming



BIOBUS



Columbia
University
Neuroscience
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FRIGHTFUL FUN AND FEELINGS

Monthly events for kids of all ages to explore the science of the brain through hands-on activities

Register Here!



Saturday, October
19th, 1-4 PM
Jerome L. Greene
Science Center
605 West 129th Street



bit.ly/SatSciFFF



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MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE





FRIGHTFUL FUN AND FEELINGS

OCTOBER 19 1-4 PM

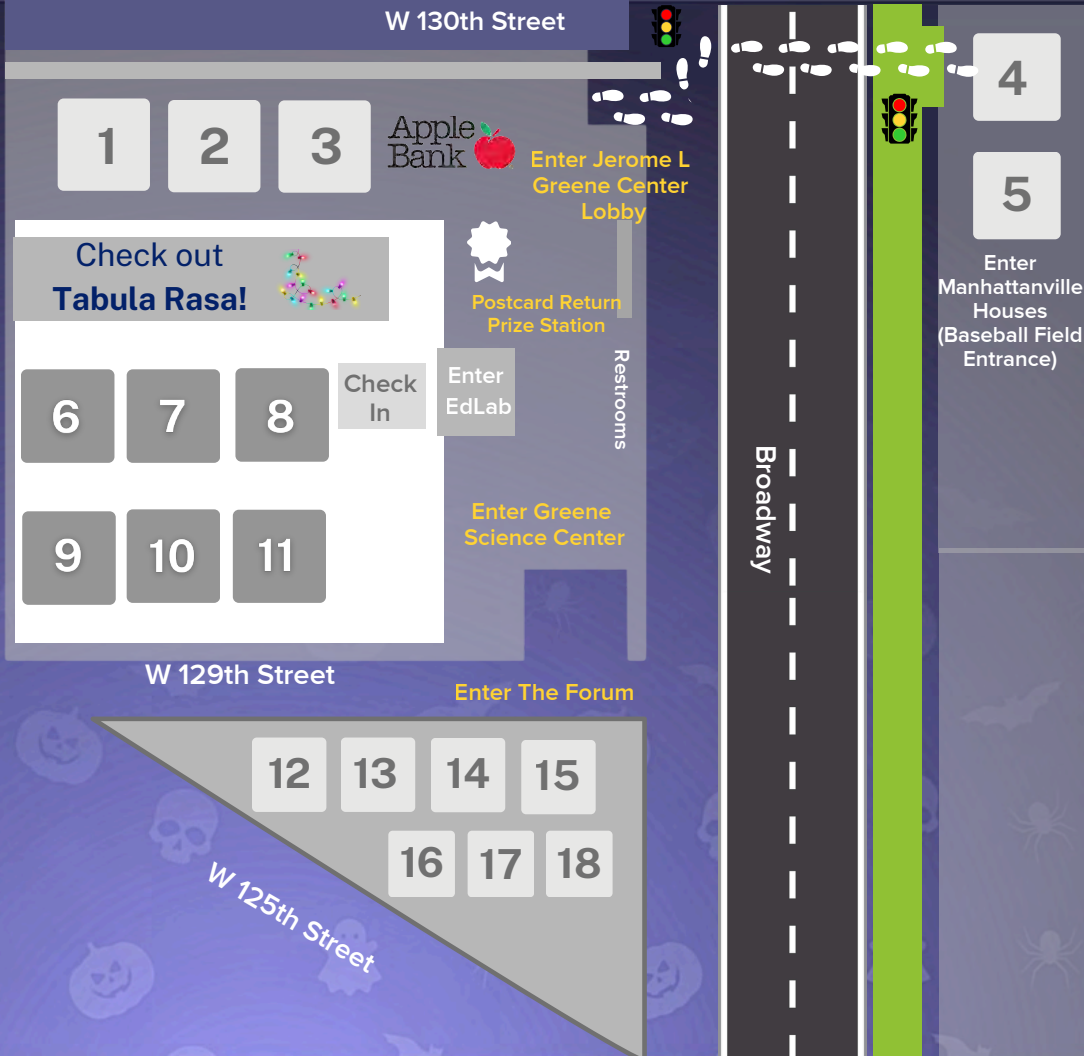
Jerome L. Greene Science Center
605 West 129th Street

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With generous
support from



October Saturday Science Stations

1 Neuro Lounge

Read and listen to books about science and scientists.

2 Neurocognition of Language Lab

Meet your emotions and find out where they live in the brain, and create your own emotion monsters.

3 Emotional Development and Caregivers

Learn how the brain helps feel emotions and how caregivers play an important role in the emotional development of children.

4 Microscopes in Manhattanville

Visit the BioBus Pop-up Lab and use different microscopes to examine anything you find, including our spooky samples!

5 Topsy Turvy Toss

Put your motor skills to the test when you compete in a fun bean bag toss—but with goggles that flip your world around!

Crafting Neurons

6 Create your brain's highway: build your own neural network! Learn about the incredible network that makes up our brain.

Fun or Frightful Feelings?

7 This station will demonstrate how close the feelings of "fun" and "fright" are when it comes to the workings of the brain.

8 Skull and Bones: A History in Mind

Using modern anatomy and the fossil record, scientists can tell a lot about how the human brain has changed over time!

9 Dissect a Brain

Let a neuroscientist walk you through the anatomy of a brain!

10 Spidey Senses Tingling!

See our collection of harmless spiders and understand how they interact with their world, and their prey!

11 Tantalizing Tastes: the Science of Sweet and Sour

Explore the science behind how you experience some of your favorite candies!

12 Art in the Park

Explore your creative side!

13 Brain Bank

Explore our collection of brains from sheep, human, whale, and more!

Mood in the Minds

14 Test your skills at identifying feelings based on facial expressions at our trifold poster! Quick demos, lectures, and activities included.

15 Para)sympathetic Red Light / Green Light

Get Ready to React: The Thrilling Red Light, Green Light Challenge for Your Nervous System!

16 Mindfulness and Relaxation

Find your calm - join us to practice emotional control techniques!

17 Cognition Development Lab

What do you do when you get stressed? Join us in learning easy-peasy ways to feel relaxed!

18 Cosmic Writers

Help us write a story and show us how creative you can be!



**SATURDAY
SCIENCE**



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University
Neuroscience
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BIOBUS



YOUR BODY AT WORK



Monthly events for kids of all ages to explore the science of the brain through hands-on activities

Register Here

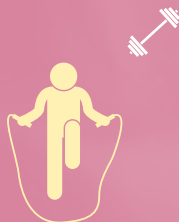


Saturday, November
23rd, 1-4 PM
Jerome L. Greene
Science Center
605 West 129th Street

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MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE





YOUR BODY AT WORK

NOVEMBER 23, 1-4 PM
JEROME L. GREENE SCIENCE CENTER
605 WEST 129TH STREET

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MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE

W 130th Street

1	2	3	4	Enter Jerome L. Greene Center Lobby
Check out Tabula Rasa!				Postcard Return Prize Station
5	6	7	Check In	Restrooms
				Enter EdLab
8	9	10	Enter Greene Science Center	

Enter The Forum

W 129th Street

11	12	13		
Apple Bank		14	15	16
				17
				18

W 125th Street





November Saturday Science Stations



1 **Neuro Lounge**
Para KIDS! joins us to read books about science and scientists and a special dual lingual story in English and Spanish.

2 **New York Public Library**
Do you have a library card? Find out how you can get one and learn more about all the wonderful opportunities the library offers.

3 **Brain Busters**
Play a round of fun-filled trivia and unlock new knowledge on how to keep your mind, body, and brain sharp!

4 **The Brain in Your Belly**
Come learn about your body's "second brain" with a powerful microscope to see light-up pictures of your gut's very own command center.

5 **Sculpt-a-Signal**
Use clay to craft a structure that fits into a given receptor!

6 **Exploring Taste**
Learn about our taste buds and how they work to allow us to taste different things, including bitter, sweet, umami, salty, and sour!

7 **Hungry, Hungry Synapse**
Learn how brain cells "talk to" each other through a game of Hungry Hungry Hippos

8 **Lights, Camera...Eyes?**
Our eyes are "optical instruments" just like cameras, and they work in very similar ways! Compare them to see what's going on!

9 **How Bodies Break Down**
Every ecosystem depends on decomposers to break down organisms after they're gone. See how this work on all scales!

10 **The Beat Goes On!**
Study the heart, the most active muscle in your body, and see how it performs it's incredibly important job!

11 **Brain Bank**
Explore our collection of brains from sheep, human, whale, and more!

12 **Sparks Inside Me**
Record the electrical activity of your own muscles! Patch an electrode to your arm and hear your neurons at work.

13 **Hemoglobin Highway**
Take a ride on the Hemoglobin Highway to figure out the best way to transport oxygen throughout the body!

14 **Cognitive Development Lab**
What do you do when you get stressed? Join us in learning easy-peasy ways to feel relaxed!

15 **Urban Park Rangers**
Meet the NYC Urban Park Rangers and hear how they protect our parks, educate New Yorkers about native fauna, and keep New York parks in top shape!

16 **Antibody Antics**
Play a memory card game to learn about how your immune system uses its memory to help protect you from infection!

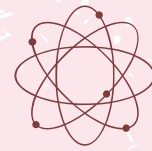
17 **Art in the Park**
Dazzle us with your creativity!

18 **Team Clean**
Keeping our cells clean is no easy job. Learn about how waste management works at the cellular level in a fun group activity!

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"I LOVE LOVE"



Scan Me!



Saturday, February
22nd, 1-4 PM
Jerome L. Greene
Science Center
605 West 129th Street

Monthly events for kids of all ages to explore the science of the brain through hands-on activities.

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I LOVE LOVE



FEBRUARY 22, 1-4 PM

JEROME L. GREENE SCIENCE CENTER
605 WEST 129TH STREET

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MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE



W 130th Street

1 2 3 4

Enter Jerome L
Greene Center
Lobby

Check out
Tabula Rasa!



Postcard Return
Prize Station

5 6

Check
In

Enter
EdLab

Restrooms

7 8 9

Enter Greene
Science Center

Enter The Forum

W 129th Street

10 11 12

13 14 15

16

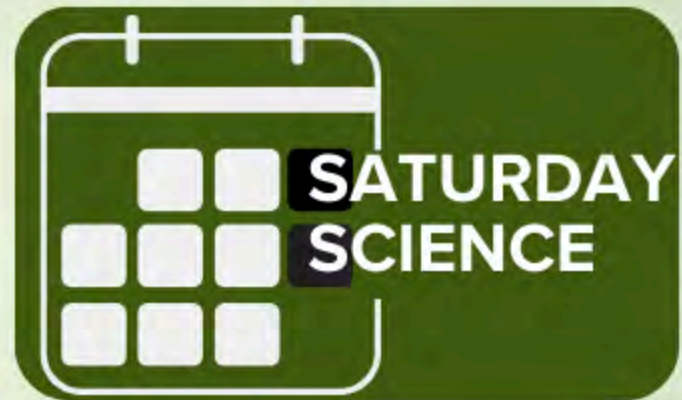
W 125th Street

Broadway

February Saturday Science Stations

- 1 Neuro Lounge**
Read or listen to books about science and scientists!
- 2 Our Bodies Are Ecosystems**
Learn about the many similarities between the human body and the natural world.
- 3 That “Loving” Feeling**
How do we feel love? Learn about the chemicals in your brain that make you feel connected with others.
- 4 Intelligent Microscope**
See how a microscope can be taught to “see” using artificial intelligence. Does the computer make as good of a teacher as a human?
- 5 Animal Family Bonds**
Compare invertebrates and their offspring on the microscope. Do you observe any familial behaviors?
- 6 Don’t Brake My Heart**
Can you control the heart? Maybe with chemicals!?
- 7 Stop Motion in the Name of Love**
Science communication is vital for making research accessible. Learn about “love research” from the Zuckerman Institute through the lens of student projects, and see how they make informative videos!
- 8 Have a Heart?**
Look at real, physical hearts and heart models to understand how the organ that pumps your blood keeps you alive and healthy!
- 9 DIY Love Potion**
Using simple chemistry, make a love potion that you can take home!

- 10 Brain Bank**
Explore our collection of brains from sheep, human, whale, and more!
- 11 Brain Busters**
Play a round of fun-filled trivia with the Laboratory for Clinical and Developmental Studies and unlock new knowledge on how to keep your mind, body, and brain sharp!
- 12 Squishy Circuits: Electric Hearts**
Did you know that your heart uses electrical signals? Mold your own neurons with conductive dough and build an electric circuit!
- 13 Take It Easy**
What do you do when you get stressed? Join the Cognitive Development Lab in learning easy-peasy ways to feel relaxed!
- 14 The Tottenham Lab Presents: Roots of Emotion**
Where do your emotions come from? Learn about the roots of emotion with a hand model of the brain. Make your own emotion tree with your caregiver!
- 15 All Sorts of Families**
Some animals love to be alone, while others need their friends and family to survive! Do you think you can figure out who belongs where? Get ready for a super fun sorting game where we match animals to their families—just like a puzzle! Let’s go on an animal adventure!
- 16 Dance Dance Evolution**
Animals dance for many reasons—some to communicate, some to protect themselves, and some to impress others! Create your own feathered dance props and learn different animal dances by moving like the creatures do!



BIOBUS

MECHANISMS AND MOTION



Register Here!

Saturday, March 15, 1-4 PM
Jerome L. Greene Science Center
605 West 129th Street



Monthly events for kids of all ages to explore the science of the brain through hands-on activities.



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Mechanisms and Motion



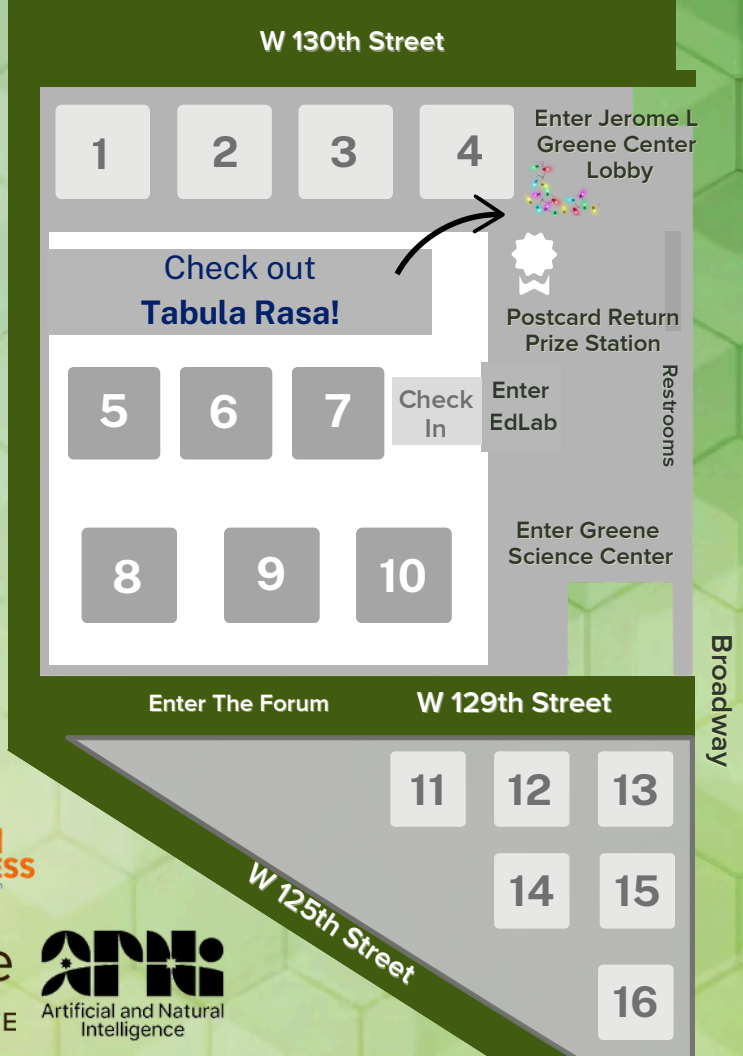
MARCH 15, 1-4 PM

JEROME L. GREENE SCIENCE CENTER
605 WEST 129TH STREET

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MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE



March Saturday Science Stations

- 1 Neuro Lounge**
Read or listen to books about science and scientists!
- 2 New York Public Library**
Do you have a library card? Find out how you can get one and learn more about all the wonderful opportunities the library offers.
- 3 Brain Busters**
Play a round of fun-filled trivia with the Laboratory for Clinical and Developmental Studies and unlock new knowledge on how to keep your mind, body, and brain sharp!
- 4 Intelligent Scope**
See how a microscope can be taught to “see” using artificial intelligence. Does the computer make as good of a teacher as a human?
- 5 Nitinol Wire**
See how Nitinol Wire, a memory material, can 'remember' it's shape even after it is bent!
- 6 What's My Job?**
Watch short GIF animations of proteins and try to guess their function (based on the structure and motion you observe).
- 7 Shine on You Crazy Daphnia**
How can you tell an eye is an eye? See what a small organisms reacts to and how that gives scientists information about light-sensitivity.
- 8 Think Fast!**
How quickly can you respond to a "Go" signal in a reaction time test? How does it compare?
- 9 Immune Defense Bingo!**
Come play bingo and learn about how our body defends itself against harmful invaders.

- 10 Mission: Molecule Creation**
Mimic the creation of proteins from smaller molecules! Use blocks and toys to build tools and complete different missions!
- 11 Brain Bank**
Explore our collection of brains from sheep, human, whale, and more!
- 12 Sparks Inside Me**
Did you know your body has electricity inside it? Patch an electrode to your arm and hear your neurons at work!
- Networking Neurons**
Race to find your perfect neuron partner and create a brain circuit to send a message from your brain to your hand! Learn how your neural networks communicate in the brain, and how these structures inspire modern AI!
- 13 Countless Collisions**
Explore the different ways objects react to colliding with other objects using bouncy balls!
- 14 Robot-Arm Engineering**
Construct your own 'Robot Arm' out of cardboard and string and learn how AI is bridging the human-machine connection!
- 15 Odd Orbits**
Explore how gravity works by creating your own bend in space-time!
- 16**



Columbia
University
Neuroscience
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Science and the City Celebrating Earth Day



REGISTER HERE!!



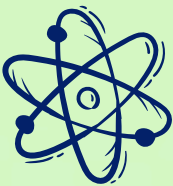
**SATURDAY, APRIL 19
1-4PM
Jerome L. Greene Science
Center
605 West 129th St**

**Monthly events for kids of all ages to
explore the science of the brain through
hands-on activities.**



COLUMBIA | Zuckerman Institute





Science and the City



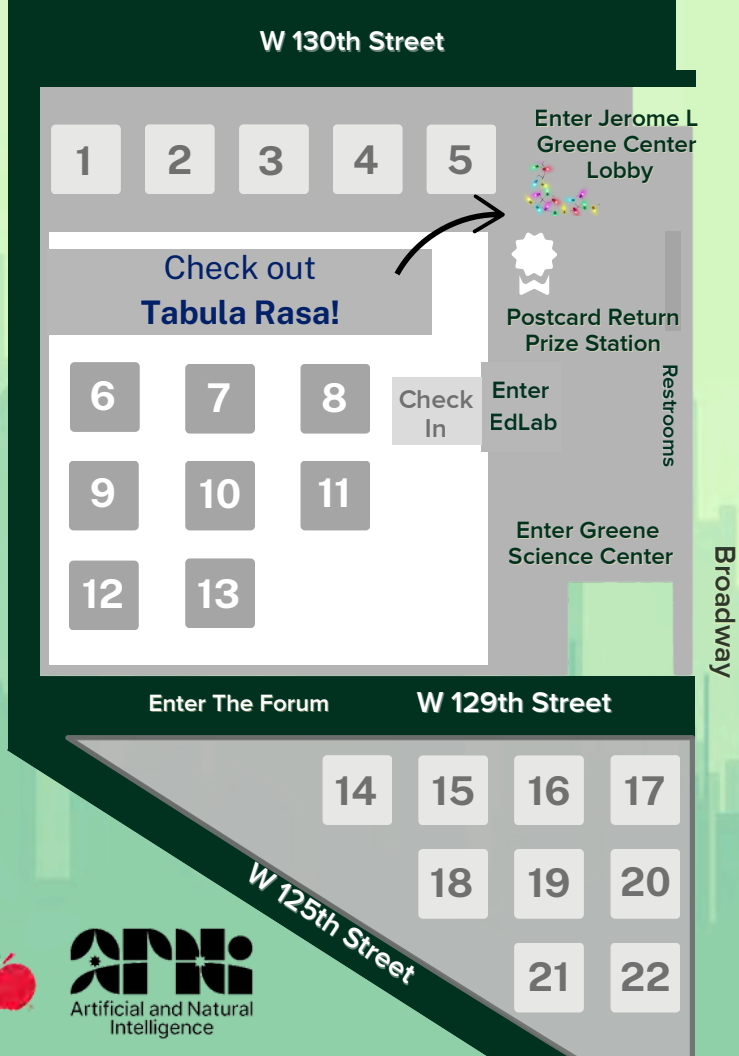
APRIL 19, 1-4 PM

JEROME L. GREENE SCIENCE CENTER
605 WEST 129TH STREET

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April Saturday Science Stations

- 1 Neuro Lounge**
Para KIDS! joins us to read books about science and scientists and a special dual lingual story in English and Spanish. 
- 2 Our Bodies are Ecosystems**
Learn about the many similarities between the human body and the natural world.
- 3 Eyes on Evolution**
Environments are constantly changing. Do all organisms adapt at the same speed? Come learn about how moths and butterflies have faced man-made challenges in their habitats and how they have adapted.
- 4 Intelligent Scope**
See how a microscope can be taught to “see” using artificial intelligence. Does the computer make as good of a teacher as a human?
- 5 NYC Urban Park Rangers**
Meet the Rangers and hear how they protect our parks, educate New Yorkers about native fauna, and keep New York parks in top shape! 
- 6 The New York Aquarium**
Dive into the ocean and learn how the Seascope team researches sharks and helps protect local wildlife and wild places.  **New York Aquarium**
A Wildlife Conservation Society Park
- 7 Dive Into Bettas**
Join the BettaBase to explore how DNA gives these fish style, smarts, and serious attitudes!
- 8 Wild Birds in the City**
Learn about the wild birds of New York City, what challenges they face, and the role the Wild Bird Fund plays in conservation and stewardship. 
- 9 Sounds Stressful**
Do the sounds of the city affect your brain? What is the impact of our noisy environment and how can we measure it?
- 10 New York City Virus Hunters**
Learn about how high schoolers are searching for the next outbreak!
- 11 Exploring Balance**
Finding the balancing point is something we can feel but cannot see. Join the fun as we “play” with gravity and balance. 
- 12 Cognitive Development Lab**
What do you do when you get stressed? Join us in learning easy-peasy ways to feel relaxed!
- 13 Fire Together Wire Together**
Create your own paper circuit to map out how learning in the brain works! 
- 14 Brain Bank**
Explore our collection of brains from sheep, human, whale, and more!
- 15 Battle of the Bird Beaks**
Why do birds have such different beaks? Test how the shape of the beak can help gather some foods better than others!
- 16 Recycling Race**
How fast can you sort this waste? We’re holding a recycling sorting competition!
- 17 Carbon Cleanup**
Learn how trees help clean the air! In this fun, interactive game, kids will take on the role of either Team Carbon or Team Tree to understand how plants absorb carbon dioxide & improve air quality. Then plant your own mini plant to take home!
- 18 Microscopic Multimedia Art**
Join Bronx Children’s Museum and look at different slides under a microscope to create art inspired by the unique shapes, patterns, and colors otherwise invisible to the unassisted eye! 
- 19 Cosmic Writers**
Become a junior monster scientist, create your own monster, and help us cook up some lava to feed them!  **Cosmic Writers**
- 20 Art in the Park**
Dazzle us with your creativity! 
- 21 Layering it On**
What does it mean for a network in a brain or computer to have “layers”? Fold and snip your way through this origami-like challenge to learn more! 
- 22 Picture This**
Play the role of AI detective to figure out the identity of a secret picture, learning more about how both computers and brains recognize images in the process.



Columbia
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Outreach



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MANHATTANVILLE COMMUNITY DAY

MANHATTANVILLE
COMMUNITY DAY



COLUMBIA CELEBRATES COMMUNITY

REGISTER HERE!!



**SATURDAY, JUNE 7th
1-4PM**

**Jerome L. Greene Science
Center
605 West 129th St**

**Monthly events for kids of all ages to
explore the science of the brain through
hands-on activities.**



COLUMBIA | Zuckerman Institute



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Columbia
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Neuroscience
Outreach



SENSING THE WORLD



SCAN ME!



**Saturday, Sept. 27
1-4 PM
Jerome L. Greene
Science Center
605 West 129th Street**

Monthly events for kids of all ages to explore the science of the brain through hands-on activities

COLUMBIA | Zuckerman Institute





SENSING THE WORLD



Monthly events for kids of all ages to explore the science of the brain through hands-on activities

**Saturday, September 27th, 1-4 PM
Jerome L. Greene Science Center
605 West 129th Street**

Register at: bit.ly/SatSciSept2025

Applications are now open!



Are you a high school teacher in New York City?

Do you teach science or math, or have an interest in brain science?
If so, this fellowship is for you!

Based at Columbia University's Zuckerman Institute, the Stavros Niarchos Foundation Teacher-Scholar Program offers an opportunity to learn about cutting-edge neuroscience research and be part of a team creating educational materials to bring neuroscience into your classroom.

This is a paid 1-year fellowship at Columbia University for the 2025-2026 school year.

Questions? Contact programs@zi.columbia.edu

Apply online by June 23, 2025 at 11:59 PM:
<https://bit.ly/TeacherScholar2526>



Scan here for program details and application



BrainSTEM In Action

Teacher Professional Development Workshop

Neuroscience of Anxiety:

STEM learning to promote social-emotional growth



FREE

Open to all secondary school educators in NYC
(preference given to Upper Manhattan & South Bronx schools)

**CTLE
CREDIT**

Learn about the neuroscience of math & testing anxiety

- Join us for a behind-the-scenes fMRI research lab tour
- Apply your knowledge! Collaborate and create custom lesson plans to help your students reframe anxiety

“
The whole workshop was amazing [...] I am going to give these materials to my teachers for them to use ASAP!
”

“
I learned so much about MRIs and got to connect with lovely educators. [I'll be] using the interventions with students before the Regents.
”

Two ways to join us on June 5, 2025

Lab Tour Only
9:00-11:30am

Full Day Workshop
9:00am-4:00pm

Sign up by
April 1, 2025!
bit.ly/bia-2025



TEACHER INSTITUTE

FOR NEUROSCIENCE & SOCIETY

Calling all NYC middle school
STEM teachers!

Do you want to elevate your teaching and deepen
your neuroscience knowledge?

This mid-winter break, join a cohort of 12 teachers
Columbia's Zuckerman Institute for a free 4-day workshop
with hands-on activities, discussions with guest scientists,
and a supportive network of peers

Co-create curricula to help your middle school students tackle
big questions at the intersection of neuroscience and society

2025 WINTER WORKSHOP

- Feb 18:** Addressing Neurodiversity
with Classroom Design
- Feb 19:** The Role of Generative AI
in Schools
- Feb 20:** Screen Time and the
Developing Teen Brain
- Feb 21:** Bringing These Topics Into
Your Classroom

TEACHERS \$1,000 Stipend &
CAN EARN 24 CTLE Credits

“The topics were **relevant** and **applicable**
to my work in my classroom”

“I really **enjoyed** it, thank you!”

Summer 2024 Participants

APPLY ONLINE NOW



Deadline:
November 1, 2024

<https://bit.ly/teacher-neuro-society>



COLUMBIA'S ZUCKERMAN INSTITUTE
Jerome L. Greene Science Center
3227 Broadway, New York, NY 10027



TUES - FRI
February 18-21, 2025



10AM - 4PM
Lunch is provided



This program is generously supported
by a grant from the Dana Foundation.



TEACHER INSTITUTE SUMMIT

SAVE THE DATE & RSVP!

On **Saturday, May 31st**, we welcome participants from the summer 2024 and winter 2025 cohorts of the Teacher Institute for Neuroscience and Society back on campus to convene at our Summit!

Tentative agenda

- Welcome and introductions
- Dr. Diana Li presents Teacher Institute outcomes
- Teacher Institute participants give short talks about their experience teaching neuroscience and society topics
- Student work showcase
- Roundtable discussions - where do we go from here?
- Final wrap-up



RSVP by April 11

Light breakfast and lunch provided!

You can bring a colleague - have them RSVP too!



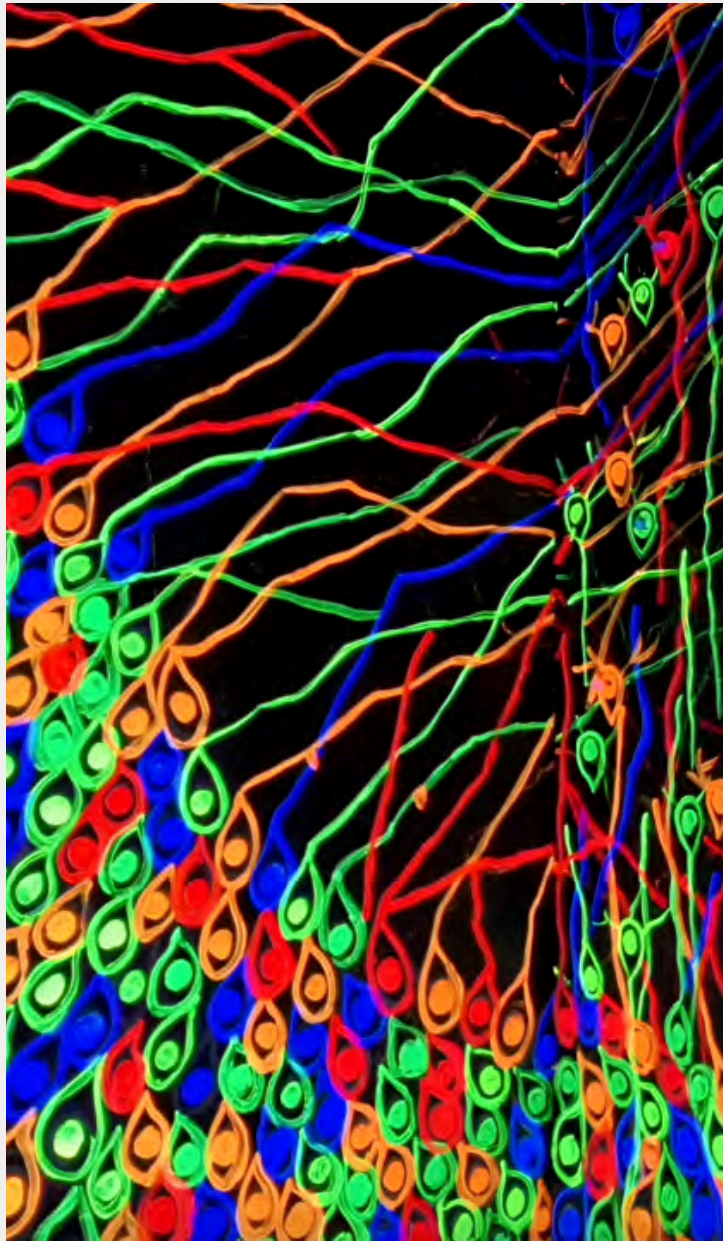
May 31st, 2025
10am-3:30pm



Columbia University
Zuckerman Institute

TABULA RASA

ART UNVEILING



Experience *Tabula Rasa* by Ezra Wube, featuring an interview with the artist led by neuroscience research technician Dianne-Lee Ferguson and an immersive virtual reality journey.

Date & Time

10 December 2024

Open from 1:00 PM – 3:00 PM

Location

**A. Philip Randolph
Senior Center**

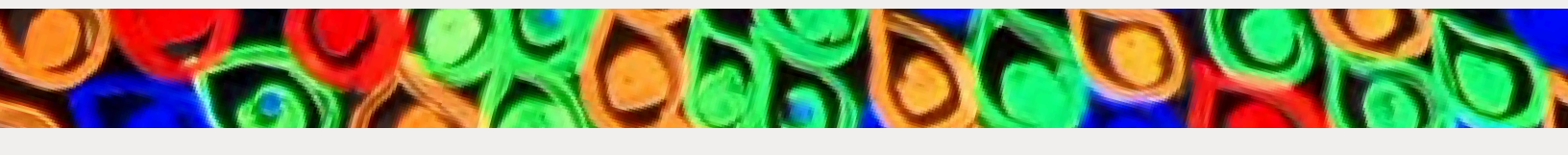
108 W 146th St, New York, NY 10039



Ezra Wube
Visual Artist

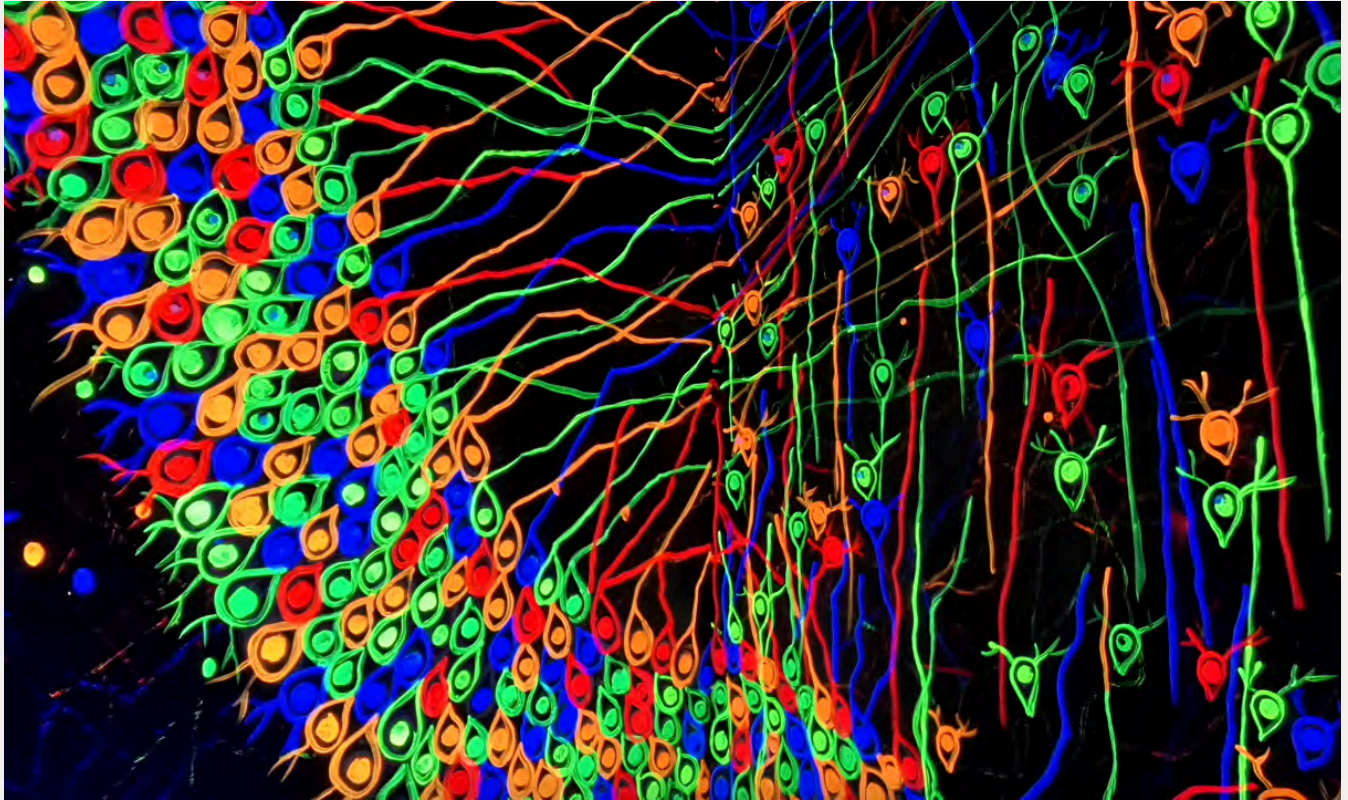


Dianne-Lee Ferguson
Research Technician





TABULA RASA



Art Unveiling

Experience Tabula Rasa by Ezra Wube, featuring an interview with the artist led by neuroscience research technician Dianne-Lee Ferguson and an immersive virtual reality journey.



1-3 PM | 12 December 2024



A. Philip Randolph Senior Center
108 W 146th St, New York, NY 10039



Ezra Wube
Artist



Dianne-Lee Ferguson
Research Tech



MUSIC

on the brain

PERSPECTIVES



JOIN JAZZ PIANIST **KELLY GREEN** AND MD-PHD STUDENT **DAVID GRUSKIN** FOR AN EVENING OF JAZZ AND SCIENCE, EXPLORING HOW MUSIC CAN SHAPE OUR PERCEPTION OF IMAGES.

DAVID GRUSKIN



KELLY GREEN



Register here
bit.ly/OctMotB



SCAN ME

THE NATIONAL JAZZ MUSEUM IN HARLEM

**58 WEST 129 STREET
NEW YORK, NY 10027**

OCTOBER 17TH 7-8 PM

MUSIC ON THE BRAIN

SING ME SOMETHIN' GOOD

Music is often called the universal language, and its connection to language (something entirely unique to the human species) is an exciting field in neuroscience research. Join jazz pianist/composer Helen Sung and Zuckerman Institute Principal Investigator Dr. Michael Shadlen for a musical discussion on how our brains hear, process, and communicate in song and word!



**Helen
Sung**



**Michael
Shadlen**



The
National Jazz Museum
in Harlem

[Register Here](#)



7-8 PM | 27 February 2025

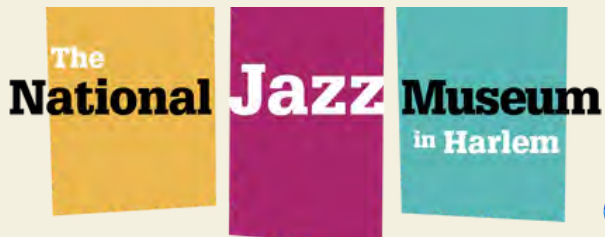


National Jazz Museum in Harlem
58 West 129 Street, New York, NY 10027



COLUMBIA | Zuckerman Institute

MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE



MUSIC ON THE BRAIN

**Jazz, Birds, and the Brain:
The Science Behind Song
and Performance**

March 20th 7-8 PM

Some birds and other animals learn their songs from their parents in a way that parallels language learning among humans. By exploring what happens in the brains of songbirds, we can gain insight into why babies babble, what makes jazz improvisation so delightful, and how performers gauge the success of their performance.

Register Here!



Amanda Humes



Bill Buchman



Dr. George Ordiway

This program is funded in part by the Campus Collaborative Fund
for Students and Student Organizations.



EXPLORING MINDS



COGNITIVE DIFFERENCES
IN THINKING AND LEARNING

JOIN OUR 3-DAY CELEBRATION OF
COGNITIVE DIFFERENCES!

WEDNESDAY, APRIL 9

IMAGINE THIS

THURSDAY, APRIL 10

MUSIC ON THE BRAIN

FRIDAY, APRIL 11

NEURODIVERSITY DAY



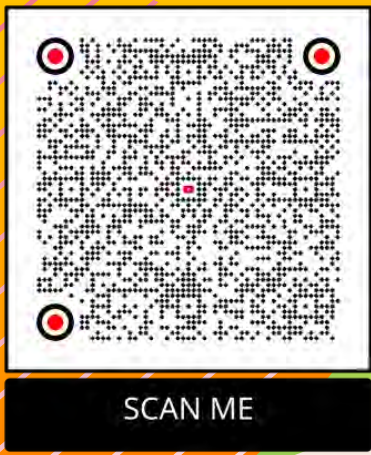
JEROME L. GREENE SCIENCE CENTER
605 WEST 129TH STREET



Presidential Scholars in
Society and Neuroscience

COLUMBIA | Zuckerman Institute

WALLACH ART GALLERY
COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK



APRIL 10 / 7PM-8:30PM

MUSIC ON THE BRAIN UNCONVENTIONAL MINDS



Jerome L. Greene Science Center
9th floor Kavli Auditorium
605 West 129 Street, New York, NY 10027



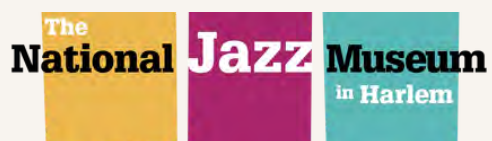
**SANDRA
ROMERO PINTO**



**KELLY
GREEN**



**EMAAD
RAZZAK**



COLUMBIA | Zuckerman Institute

MUSIC ON THE BRAIN

UNCONVENTIONAL MINDS



**What did you think of
this evening's event?**

Please scan the QR code
to complete a brief survey.



**SANDRA
ROMERO PINTO**



**KELLY
GREEN**



**EMAAD
RAZZAK**

The Forum & Zuckerman Institute Present

SIMPSONS NEUROSCIENCE

WITH HANK AZARIA, DR. KEVIN OCHSNER,
AND MOE THE BARTENDER



Hank **Azaria**



Moe **The Bartender**



Dr. Kevin **Ochsner**



FRIDAY, OCTOBER 4 | 6:30 PM

Auditorium | **THE FORUM**

FREE WITH RSVP
theforum.columbia.edu



COLUMBIA | [The Forum](#)

COLUMBIA | [Zuckerman Institute](#)

Interested in the ideas that turn into movies?

This **World Mental Health Day** join us for a panel discussion on *Brainwash*, the latest feature-length screenplay from **Tamika R. Guishard**



CanBe FILMS PRESENTS

HEALER

The Dr. Joycelyn Elders Story



DIRECTED BY
CANDACE BELLAMY

December 5, 2024 | At 7:00 PM

Jerome L. Greene Science Center, Kavli Auditorium, 9th floor Lecture Hall
3227 Broadway, New York, NY 10027

COLUMBIA | Zuckerman Institute

MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE

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605 WEST 129TH STREET**



COLUMBIA

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COLUMBIA | Zuckerman Institute

WALLACH ART GALLERY
COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

COLUMBIA | Zuckerman Institute
WALLACH ART GALLERY  COLUMBIA | Presidential Scholars in
COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK Society and Neuroscience

IMAGINE THIS



REFLECTIONS ON HUMAN IMAGINATION

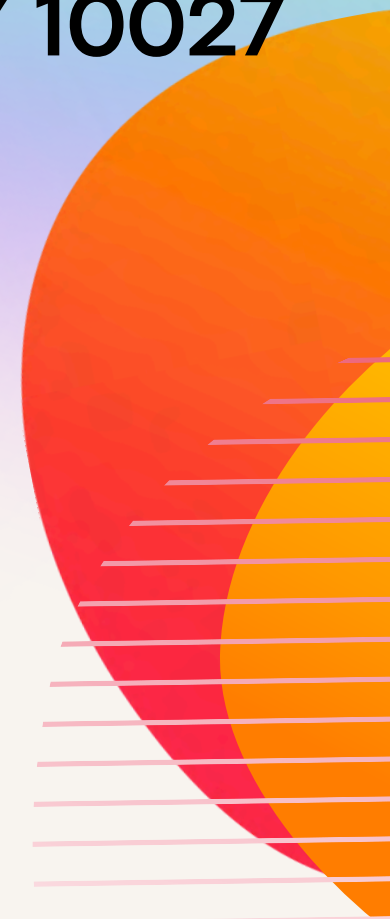
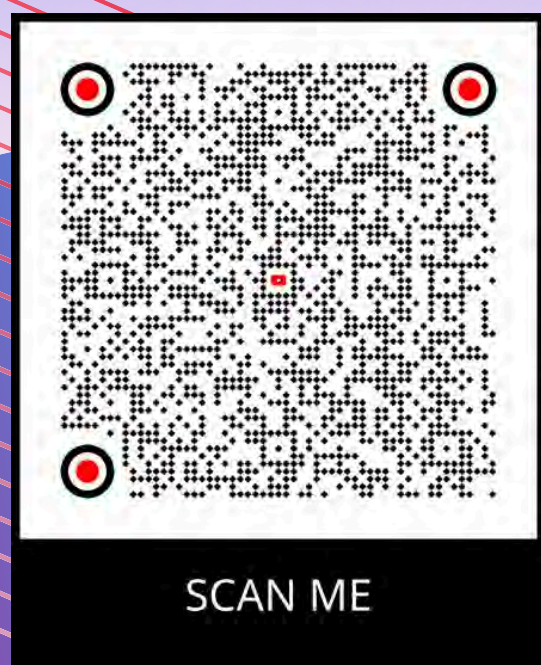
Wednesday, April 9

Jerome L. Greene Science Center



9th floor Kavli Auditorium

605 West 129 Street, New York, NY 10027



IMAGINE THIS



REFLECTIONS ON HUMAN IMAGINATION

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COLUMBIA | Zuckerman Institute

MORTIMER B. ZUCKERMAN MIND BRAIN BEHAVIOR INSTITUTE

NEURODIVERSITY

DAY - APRIL 11

SCIENCE & SOCIETY

**What did you think of
today's events?**

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JEROME L GREENE SCIENCE CENTER

GREENE SCIENCE CENTER
ZUCKERMAN INSTITUTE

DANGER

DANGER

**GREENE SCIENCE CENTER
ZUCKERMAN INSTITUTE**

RECYCLING

NO
SMOKING PERMITTED
WITHIN 25 FEET
OF THE BUILDING



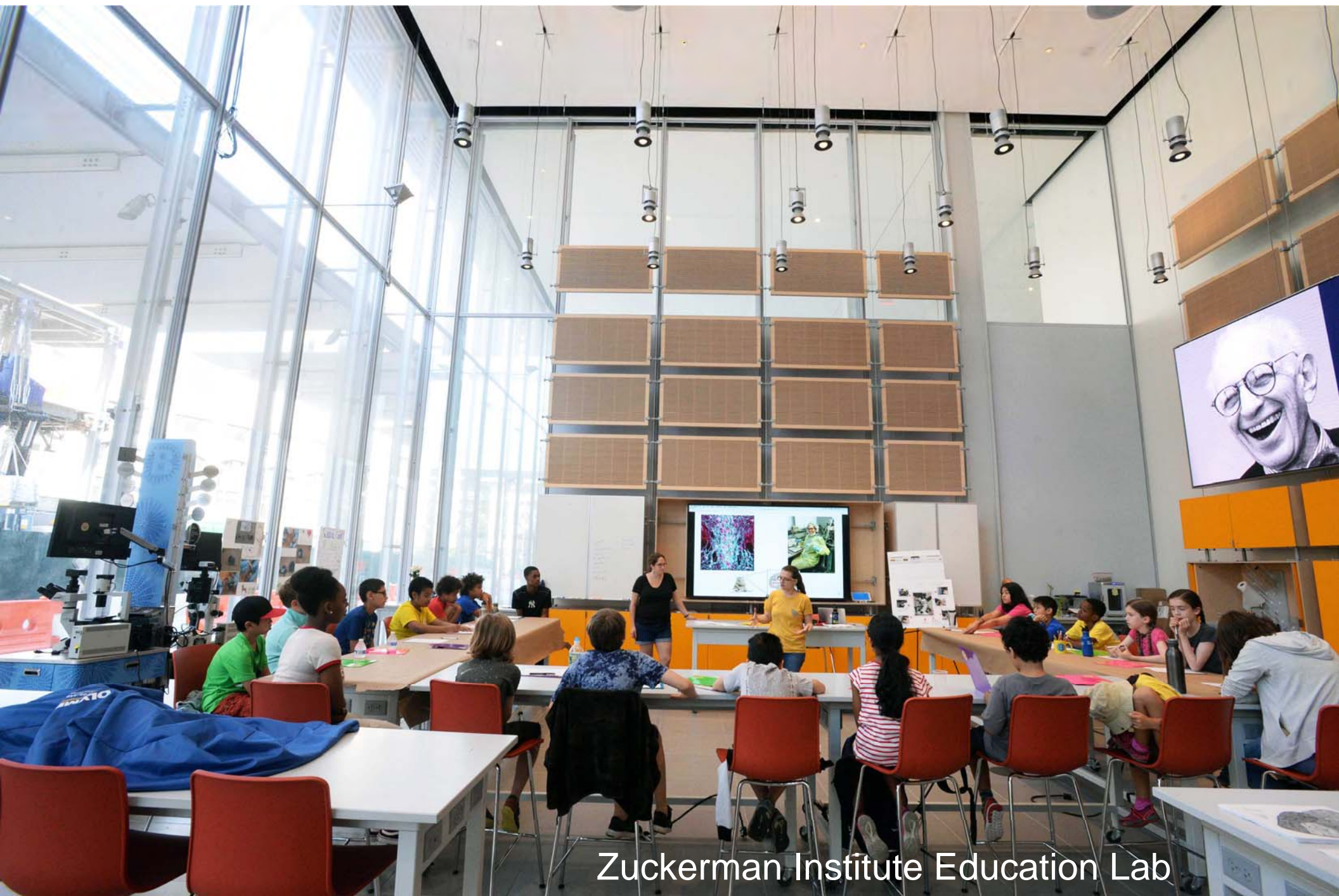
**EDUCATION
LABORATORY**

609 W 129

**EDUCATION
LABORATORY**

 **SMOKING PROHIBITED
WITHIN 25 FEET
OF THE BUILDING**





Zuckerman Institute Education Lab