

The Marlin Lab 2021 in Review

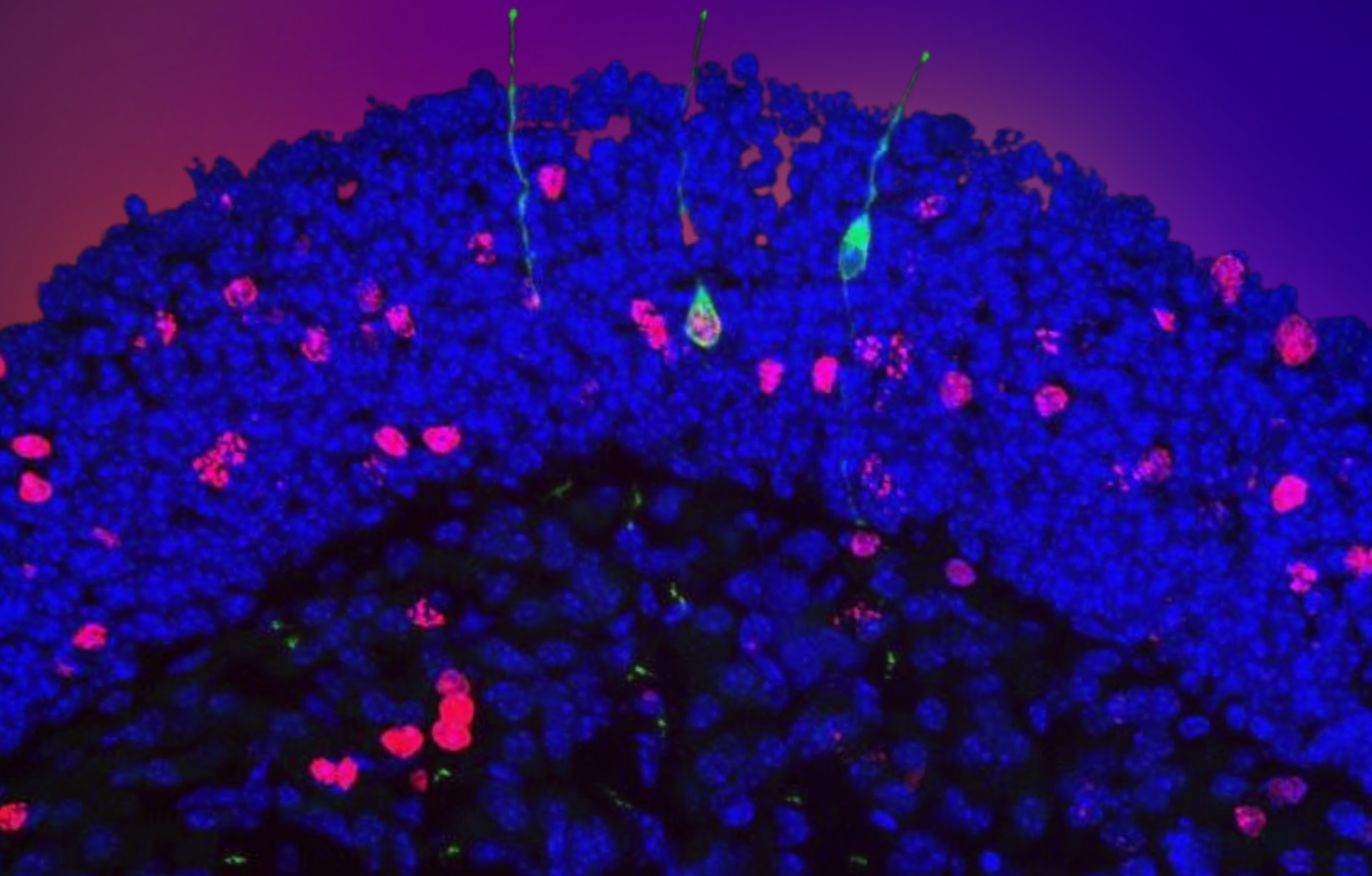
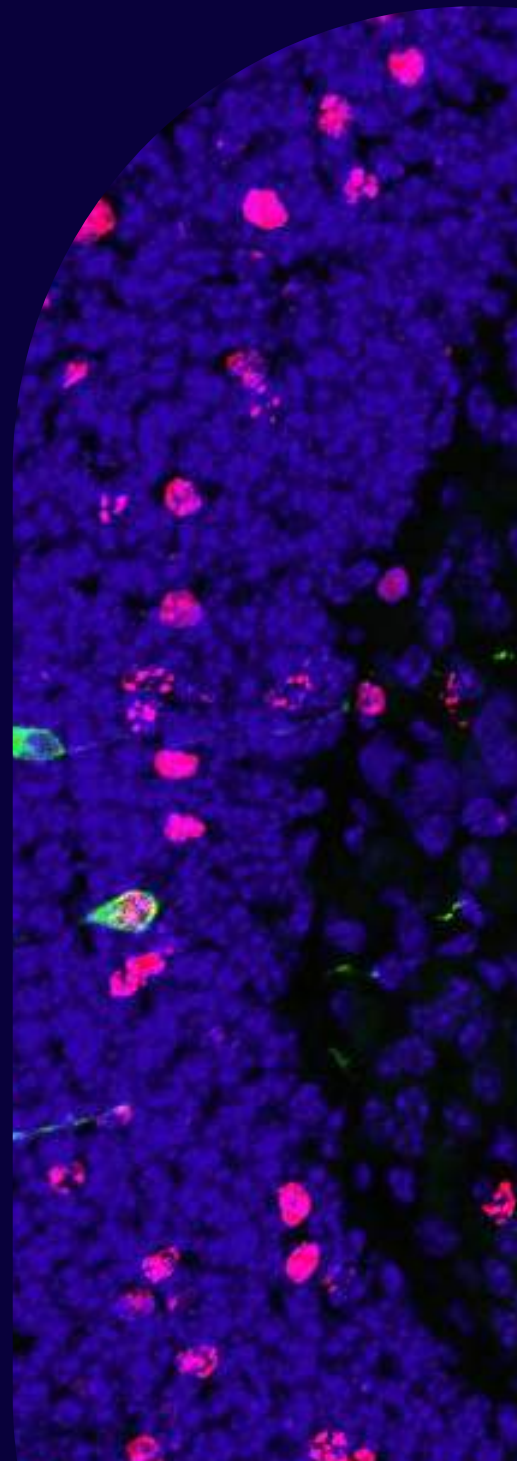


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Our Team



BIANCA JONES MARLIN, PHD



CLARA LIFF
Lab Manager



STEPHEN CADIEUX
Lab Coordinator



BEKA STECKY
Graduate Student



VALENTINE ANDREU
Graduate Student



BRIANA MCRAE
Graduate Student



ALEXIS KIM
Research Technician



YASMINE AYMAN
Research Technician



WILL FOSTER
Research Technician



CHRISTINA JUSTE
Undergraduate Student

Lab & Student **Firsts**

FIRST RNA-SEQ DATA SET

**FIRST PROTOCOLS
APPROVED**

**FIRST CHEMOGENETIC
EXPERIMENT**

**FIRST CO-LABELED
POSITIVE CELLS**

**FIRST PUP CALL
RECORDING**

**FIRST INTACT
OLFACTORY EPITHELIUM
TO CEREBELLUM WHOLE
BRAIN EXTRACTION**

Talking Science

THE MARLIN LAB
PRESENTED OUR SCIENCE

29 TIMES IN 2021



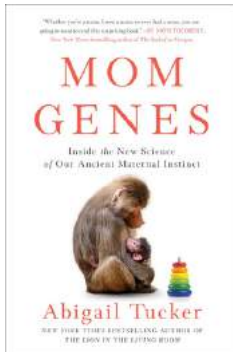
Selected Talks

- Emotions Brain Forum
- Learning & The Brain Conference
- University of Utah Dept. of Neurobiology
- Broad Institute Stanley Center Biennial Symposium
- Chautauqua Lecture Series: The Human Brain: Our Greatest Mystery
- 7th Annual Virtual NEURAL Conference Keynote Address
- University of Pennsylvania, Neuroscience Seminar
- ACHEMS 2021 Meeting, Development of Chemosensation and Perception
- Northeastern Biology Colloquium
- University of California, San Francisco Neuroscience Seminar
- University of Puerto Rico, Rio Piedras
- The City College of New York
- Cornell University, Neurobiology and Behavior
- The Adaptive Brain, Inaugural Weizmann-Columbia Brain Symposium



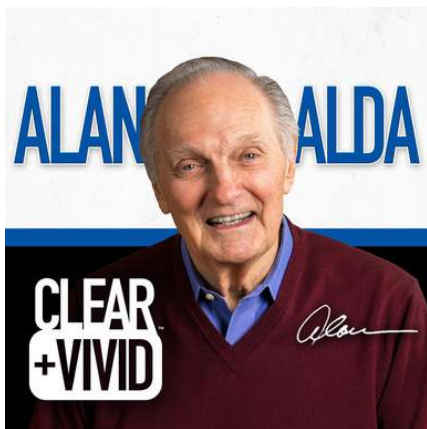
Media Coverage

Our science and perspectives were included in these outlets



The Washington Post

Smithsonian
MAGAZINE



Neuron

Forbes

Risky
Behavior

the pulse



TheScientist
MAGAZINE OF THE LIFE SCIENCES



AMERICAN
PSYCHOLOGICAL
ASSOCIATION

Team Fun

We celebrated 13 events together in 2021



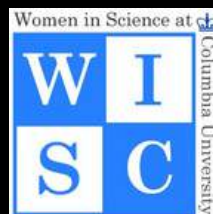
Team Awards

We achieved two funded grants and several awards



Brilliant 10

POPULAR SCIENCE



Team Collaborations

Turning "let's get coffee" into partnerships

**WE INITIATED 3
COLLABORATIONS IN 2021**



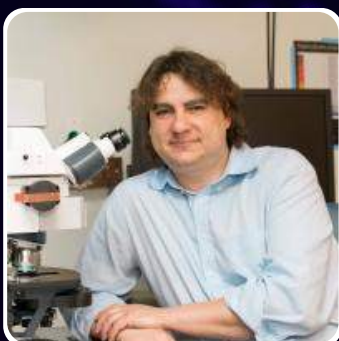
ISHMAIL ABDUS-SABOOR

Exploring the role of the neurotransmitter oxytocin in touch, parental, and social behaviors.



ITAMAR KAHN

Using Dr. Kahn's innovative mouse fMRI technology we are probing the intricacies of brain regions involved in auditory plasticity activated by parenthood and exploring the comparative neurological changes in mice.



STAVROS LOMVARDAS

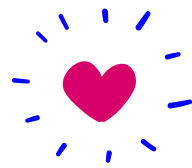
Combining our efforts with Dr. Lomvardas's expertise in olfactory receptor gene regulation and molecular techniques, we aim to unveil a precise timeline of neurobiological changes that occur in the olfactory network with fear learning.

Community Engagement

We served 10 organizations... and counting!



**SOCIETY for
NEUROSCIENCE**



COLUMBIA 
**NEUROSCIENCE
SOCIETY**

**Columbia University
Neuroscience Outreach**



**BIOLOGY TRAINEES
AGAINST EXCLUSION**



Women in Science at Columbia



RADIOLAB

Lab Meetings

**THE MARLIN LAB HELD OVER
30 LAB MEETINGS IN 2021**



Highlights

- Joint lab meetings with Itamar Kahn & Ishmail Abdus-Saboor Labs
- Joint meeting with the labs of Eric Nestler, Ian Maze & Yasmin Hurd from the Icahn School of Medicine at Mount Sinai, New York



2021

**GAVE US SO MUCH TO
CELEBRATE, LEARN FROM,
AND STRIVE FOR**

**To 2022
and beyond!**