

MSB NEWS

Monthly Newsletter



Department of

MSB Molecular and Systems Biology

Geisel School of Medicine at Dartmouth

Let's stay connected...

What an exciting start it has been to the academic year! We celebrated the [inauguration of Dartmouth's inspiring new president](#) and learned of her 5-point plan with an emphasis on wellness and well-being for faculty, students and staff. In an unprecedented visit to Dartmouth, we heard from a panel of distinguished Surgeons General on the mental health crisis, and who uniformly stressed the importance of educating through science and how their apolitical messaging builds public trust. Our partnership with BCB on the Discovery Science seminar series is well underway, with many exciting speakers to come. MSB also brought the department together for a fun and informative retreat at Lake Morey. As the leaves (finally) begin to change color, we look forward to another month of stimulating events in our beautiful environment. Get outside, breathe the fall air, and submit photos for your next MSB newsletter.

President Beilock visited the Vail Zebrafish Facility at Geisel in September and viewed fluorescent zebrafish embryos prepared by Halpern lab technician Kate Moss.



[GEISEL CALENDAR](#)

[SUBMIT CONTENT](#)

[MSB CALENDAR](#)



DISCOVERY SCIENCE SEMINARS

10/16 Ai Yamamoto, Columbia University, Kellogg 200, 12:15pm

"Determining the relevance of protein aggregation in neurodegenerative disease"

10/23 Nancy Speck, Perleman School of Medicine, Chilcott, 12:00pm

"Regulation of innate immunity by RUNX1"

10/30 Eduardo Torres, UMASS Chan Medical School, Chilcott, 12:00pm

"Increased Metabolic Demands Upon Gaining an Extra Chromosome"

UPCOMING EVENTS



Integrative
Neuroscience
at Dartmouth

IND 600
October 4, 2023
9:00–10:00 am
DHMC, Auditorium F

Single Neuron Genomes: Lenses into the Pathogenesis of Neurodegeneration



Dr. Michael Miller, MD, PhD
ASSISTANT PROFESSOR
OF PATHOLOGY
HARVARD MEDICAL SCHOOL

PRINCIPAL INVESTIGATOR
AND NEUROPATHOLOGIST
BRIGHAM AND WOMEN'S HOSPITAL



Indigenous Peoples' Day - October 9, 2023

On the Second Monday of October (this year, Monday, October 9th, 2023), we celebrate alongside many Indigenous communities, Indigenous Peoples' Day. At Dartmouth College, the Native and Indigenous community recognizes Indigenous Peoples' Day through reflection, advocacy, programming, and community engagement found [here](#).

2023 Dartmouth Symposium for the Life Sciences

Please join us for this day-long symposium to hear about and discuss groundbreaking research at the frontier of this field.

The event will be held at the Life Science Center at the Geisel School of Medicine on the Dartmouth Campus in Hanover, NH

Tuesday, October 10, 2023 from 8:00am to 5:00pm

Continental breakfast and lunch will be provided

VISIT THE [WEBSITE](#) FOR MORE INFORMATION

2023 Geisel Hispanic/Latinx Heritage Month

Fortaleciendo Raíces / Strengthening Our Roots

Please join the [Latino Medical Student Association \(LMSA\)](#), the Office of Diversity, Inclusion, and Community Engagement (DICE), the Dartmouth Health BIPOC Employee Resource Group, The Dartmouth Institute, Office of Alumni Engagement, Project Salud, and Fuerza Farmworkers' Fund in celebrating Hispanic/Latinx Heritage Month Celebration!

[REGISTER HERE](#)

Flu Vaccine Clinics

If you are enrolled in any of the Cigna medical plans through Dartmouth the flu vaccine is covered under your medical benefit so you can receive a free flu shot, with no copay. Click [here](#) for clinic options.

RYAN FELLOW NOMINATIONS

If you have a graduate student in your lab, or know of other worthy graduate students, whom you would like to nominate as a **Ryan Fellow for 2024**, please send your nomination to **Amy Potter by October 20, 2023**.

The Albert J. Ryan Foundation promotes graduate education in basic research in any and all fields of medicine and related sciences, and MSB is charged with identifying Ryan Fellows. Fellows will be supported to present their work at the **Annual Harold B. Amos Foundation Symposium of Ryan Fellows on May 30, 2024 - June 1, 2024**, although this may be the extent of the financial support associated with being named a Fellow.

Select candidates for the Ryan Fellowship based on the following criteria:

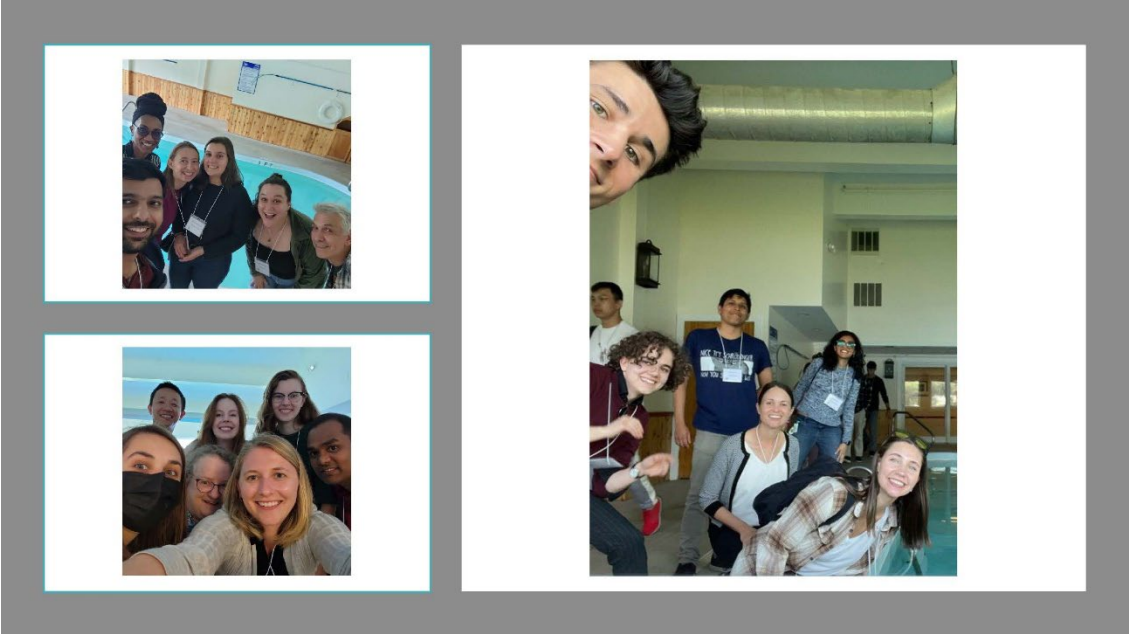
- The student candidate may only be nominated after they have completed their qualifying examination.
- The student candidate must be
 1. in excellent academic standing, and
 2. able to show research productivity as well as skills in oral presentation of his/her research.

The student's advisor should submit A ONE PAGE OR LESS nominating letter stating

1. the qualifications of the candidate and
 2. confirmation that the **student** being nominated **will, if chosen, attend the upcoming Annual Harold B. Amos Foundation Symposium** of Ryan Fellows on May 30, 2024 – June 1, 2024, to **present the results of his/her research** and to represent Dartmouth.
- The student candidate's cv must be included in their nomination.

MSB RETREAT- LAKE MOREY

A great time was had by all at the MSB retreat. Special thanks to organizer Amy Potter and her great support team of Cheryl, Stephanie and Rosanne and to keynote speaker Dr. Josh Rosenthal from the MBL.



UPCOMING CHALLENGE

The 5th Annual

LONE PINE PUMPKIN DERBY

The Biological Sciences Department has constructed a 2 lane 16' ramp to race pumpkins in a single elimination vegetable race to determine the greatest graduate lab on campus in a random but highly quantitative fashion.

**Friday 10/27 at 5pm Graduate
Student Lounge Lawn outside
Anonymous Hall**

RULES:

- 1 One pumpkin (any species) per lab (any department)
- 2 A max diameter of 10" and weight of 15 lbs
- 3 You may remove the stem and paint your pumpkin but no wheels or other modifications

****If you have the gourds to enter this competition please email your laboratory name to amelia.j.ralowicz.GR@dartmouth.edu by 10/26 at 4pm!****



NH Peak Foliage Map

When Will the Leaves [Peak?](#)



Leave your cellphone in the car. Check the mountain views instead of your messages. Exhale. Relax. And take away the good feeling of being more connected to the apples, the bees, the maple trees, and the people of our beloved Green Mountain state.

RECIPE OF THE MONTH

Apple Cinder Pie, [Cooking Light](#)



Ingredients

Crust:

2 cups all-purpose flour, divided
1/3 cup ice water
1/2 teaspoon salt
1/4 cup chilled stick margarine or
butter, cut into small pieces
1/4 cup vegetable shortening

Filling:

2 cups apple cider
1/3 cup sugar
3 tablespoons cornstarch
2 tablespoons fresh lemon juice
2 teaspoons vanilla extract
1 1/4 teaspoons pumpkin-pie spice
7 Braeburn apples, peeled and
quartered (about 3 pounds)
Cooking spray
1 large egg, lightly beaten
1 tablespoon water
1 tablespoon sugar

Instructions

To prepare crust, lightly spoon flour into dry measuring cups; level with a knife. Combine 1/3 cup flour and ice water, stirring with a whisk until well-blended. Combine 1 2/3 cups flour and salt in a bowl; cut in margarine and shortening with a pastry blender or 2 knives until mixture resembles coarse meal. Add ice water mixture; toss with a fork until moist. Divide dough in half. Gently press each half of mixture into a 4-inch circle on heavy-duty plastic wrap, and cover with additional plastic wrap. Roll one half of dough, still covered, into a 12-inch circle, and chill. Roll other half of dough, still covered, into an 11-inch circle; chill.

To prepare filling, bring cider to a boil in a large, heavy saucepan over high heat. Cook until reduced to 1/2 cup (about 20 minutes). Cool completely.

Preheat oven to 450°.

Combine cooled cider, 1/3 cup sugar, cornstarch, lemon juice, vanilla, and pie spice in a large bowl. Cut each apple quarter crosswise into 1/4-inch-thick slices. Stir apple slices into cider mixture.

Remove 1 sheet of plastic wrap from the 12-inch circle; fit dough into a 9-inch pie plate coated with cooking spray, allowing dough to extend over edge of plate. Remove top sheet of plastic wrap. Spoon apple mixture into crust, and brush edges of crust lightly with water. Remove 1 sheet of plastic wrap from the 11-inch circle, and place on top of apple mixture. Remove top sheet of plastic wrap. Press edges of dough together; fold edges under, and flute. Cut 6 (1-inch) slits into top of pastry using a sharp knife. Combine egg and 1 tablespoon water. Brush top and edges of pie with egg mixture, and sprinkle with 1 tablespoon sugar. Place pie on a baking sheet, and bake at 450° for 15 minutes. Reduce oven temperature to 350° (do not remove pie from oven), and bake an additional 45 minutes or until golden. Cool on a wire rack.

WHAT TO DO IF YOU TESTED POSITIVE FOR COVID-19

If you test positive for COVID-19, follow CDC guidance, including isolating for at least five days and wearing a mask for at least 10 days. Wear a mask for longer if you continue to test positive or have new or worsening symptoms.

Notify your close contacts. Keep your health-care provider updated. Students, contact the Dartmouth College Health Service at dicks.house.nurse@dartmouth.edu or 603-646-9440. People without an established health-care provider, read <https://dartgo.org/health-guidance>



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