34TH ANNUAL HARVARD FOREST ECOLOGY SYMPOSIUM
Looking Forward with Long-Term Research: New Directions and Graduate Student Research in the Harvard Forest LTER
MARCH 19TH 2024, 9 A.M. – 4:30 P.M. | FISHER MUSEUM, HARVARD FOREST

9:00 Jonathan Thompson, Harvard Forest. Welcome and overview of the Harvard Forest LTERVII proposed work
9:40 Alix Contosta, University of New Hampshire. Exploring the impacts of changing winters and shifting seasonality on forest carbon and water dynamics
10:00 Ashley Keiser, University of Massachusetts. Title TBA

10:20-10:50 Break

10:50 Meghan Blumstein, University of Virginia. Using genomics to understand drivers of trait variation in tree species
11:10 Andy Reinmann, CUNY Advanced Science Research Center. Meet CLIFF: The Climate Interactions with Forest Fragmentation Experiment
11:30 Katharine Hinkle, Harvard Forest. The Harvard Forest LTER Schoolyard Program celebrates 20 years

12:00-1:00 Lunch

1:00 Carina Berlingeri, Harvard University OEB. The mycorrhizal type of neighboring trees drives different competitive dynamics for arbuscular and ectomycorrhizal tree species
1:15 Nikhil Chari, Harvard University OEB. Arbuscular mycorrhizal and ectomycorrhizal trees exhibit different root nutrient acquisition strategies in response to long-term soil warming
1:30 Emerson Conrad-Rooney, Boston University. Atmospheric wet deposition in urban and suburban sites across the United States
1:45 Jonathan Gewirtzman, Yale University. Tree-mediated methane cycling: flux pathways, microbial drivers, and novel measurement techniques
2:00 Jack Hastings, University of New Hampshire. Shedding (near infrared) light on our ability to remotely estimate canopy nitrogen concentration
2:15 Cynthia Liu, Harvard Graduate School of Education. Understanding science identity and environmental attitudes in a K-12 community science program

2:30-3:15 Poster Session

3:15 Charlotte Malmborg, Boston University. Yesterday’s trees, tomorrow’s models: forecasting the next forest pest outbreak
3:30 Linghui Meng, Syracuse University. Prediction of climate change and urbanization effects on the carbon, nitrogen, and water dynamics in Northeastern Forest ecosystems
3:45 Corrine Vietorisz, Boston University. Fungal and bacterial guilds and functional genes explain soil nitrogen and phosphorus cycling across Massachusetts forests
4:00 Tyler White, Harvard University Graduate School of Design. Mindful landscapes: making visible history x annotating land narratives

4:15 Wrap-up
4:30 Adjourn