

Department of Ecology and Evolution

Stony Brook University
Retreat 2024
March 1 - 2



Schedule at a Glance

9:30	Breakfast and Coffee	
9:55	Welcoming Remarks	
10:00	Talk 1	Tara Smiley
10:20	Talk 2	Megan Wyatt
10:40	Talk 3	Natasha Vitek
11:00	Talk 4	Yijie Tian
11:20	Coffee	
11:40	Lightning Talks	(see Page 2)
12:10	Lunch	
1:00	Excursions	(See Page 3)
2:30	Talk 5	Rafael D'Andrea
2:50	Talk 6	Jose Moscoso Nunez
3:10	Talk 7	Nils Volkenborn
3:30	Talk 8	Alexander Kwakye
3:50	Coffee	
4:10	Talk 9	Nicolas Anderson
4:30	Talk 10	Noah Dean
4:50	Talk 11	Heather Lynch
5:10	Talk 12	Alexandra Pamfilie
5:30	Award Deliberation and Social	
5:45	Awards Announcements	
6:00	Dinner	

Session 1 (10:00 - 11:20)

Chair: Anna Thonis

Coupled landscape and biotic evolution model reveals deep-time history of the topographic diversity gradient

Tara Smiley

Spatial diversity and trait disparity of modern Heteromyidae (Rodentia) with implications for the relationship between dynamic landscapes and evolutionary history

Megan Wyatt

Inferring plasticity in the fossil record: linking neo- and paleobiology

Natasha Vitek

Connectivity and communication in the 5-6th century Little Hungarian Plain

Yijie Tian

Coffee (11:20 – 11:40)

Lightning Talks (11:40 – 12:10)

Chair: Rafael D'Andrea

Fruitful channeling in feliform morphological evolution

Paul Barrett

The macroevolutionary singularity of snakes

Pascal Title

Drone-based photogrammetry reveals differences in humpback whale body condition across North Atlantic foraging grounds

Chelsi Napoli

Integrated mechanisms of environment-host-virome interactions

Kristen Rayfield

Inferring Species Interactions from Co-occurrence Patterns at Varying Spatio-temporal Scales

Caroline Fabian

Do marine protists have herpes?

Jackie Collier

Lunch (12:10 – 1:00)

Excursions (1:00 – 2:30) - All excursions will depart together from the Village Center.

Port Jeff Brewery

Join Graduate Student Megan Wyatt at a local brewery where the # 1 priority is brewing beer with the highest quality ingredients and incredible attention to detail. Their grain is imported from the UK, their hops from the Pacific Northwest, and their yeast from points around the globe.

Kilwins Port Jefferson

Join Graduate Student Alejandro Gil-Gomez for some delicious ice cream! From the moment you walk in the door, your senses will be romanced by the sensuous aromas of chocolate and fresh, homemade waffle cones. With warm and friendly service, the world's best Mackinac Island fudge, their Original Recipe ice cream, and many decadent chocolate-dipped treats to choose from, a visit to Kilwins is the perfect complement to a morning of engaging science.

Local's Café

Join Graduate Student Sixto Taveras Lopez for some coffee-house fun! Local's is a modern café serving specialty coffee and a health conscious but delicious menu. At Local's they believe passionately in good food for the body, palate, and soul.

Tiger Lily Café

Join Graduate Students Anna Thonis, Caroline Fabian, and Immy Welles for some the funkier alternative vegetarian eatery to be found! Tiger Lily is a café specializing in original, innovative vegetarian and non-vegetarian cuisine, including gluten-free dishes. They are known for their wraps, salads, juice bar, tea, and coffee.

Guided Bird Walk

Join Graduate Student Maddy Hallet for a guided tour of local birding spots to hear and see local avian biodiversity!

Ice Skating

You can also stay at the Village Center and relax or go ice skating at the lower level of the Village Center from 1 p.m. to 2:30 p.m.

\$12.00 adult admission

\$6.00 skate rental

Session 3 (2:30 - 3:30)

Chair: Caroline Fabian

Biodiversity-ecosystem function relationships in pitcher plant microbial communities

Rafael D'Andrea

Disentangling causes of microbiome variation using reciprocal transplants of *Schizoporella* sp.

Jose Moscoso Nunez

Big questions - tiny sensors: Assessing ecophysiological responses of marine invertebrates to environmental changes

Nils Volkenborn

Population dynamics during freshwater adaptation by marine Threespine Stickleback

Alexander Kwakye

Coffee (3:30 – 3:50)

Session 4 (3:50 - 5:30)

Chair: Alejandro Gil-Gomez

Musseling a way home

Nicolas Anderson

Assessing different management actions for the conservation of the grand skink

Noah Dean

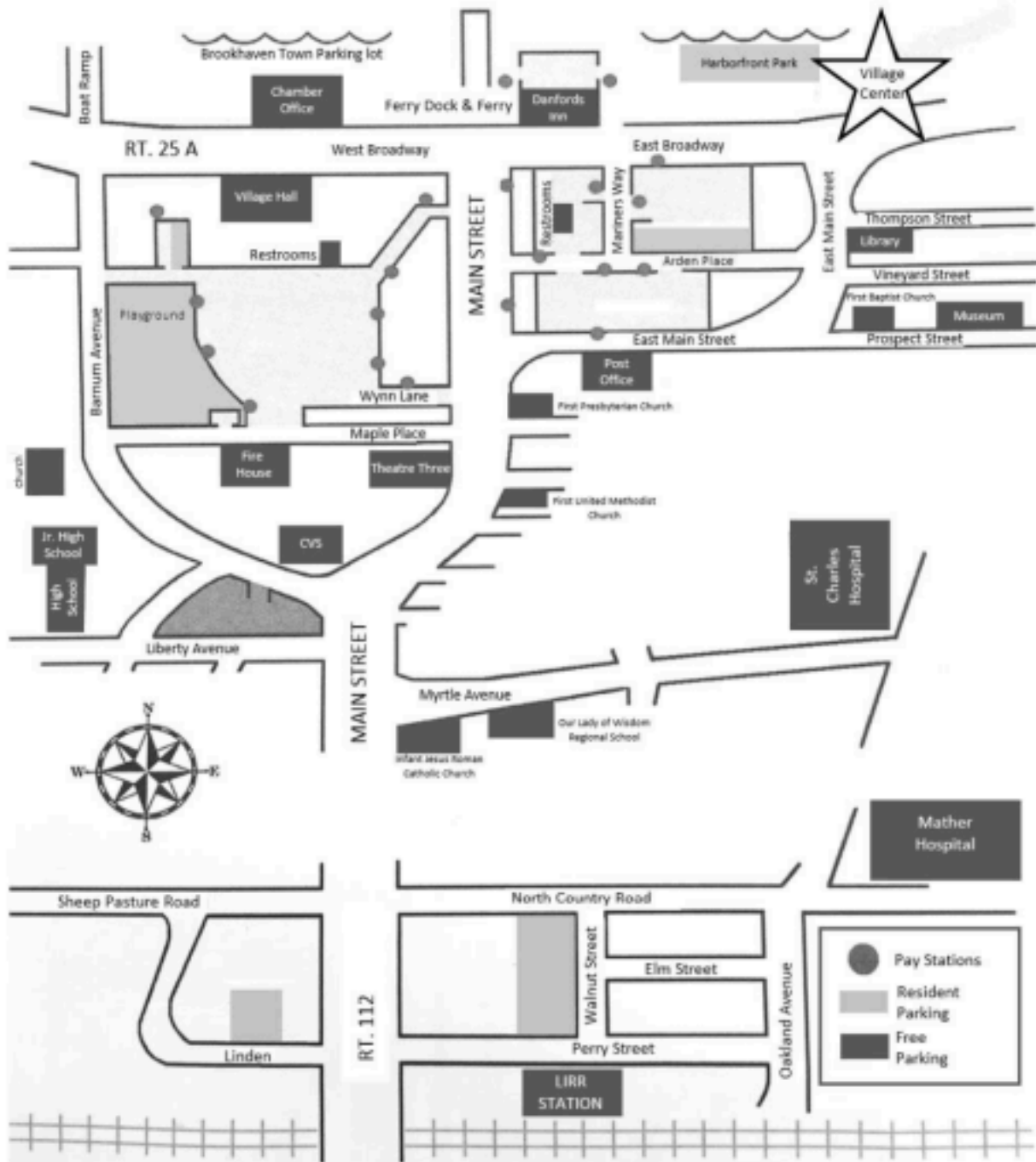
The What, Why, Who, and How of the Collaborative for the Earth

Heather Lynch

Morphological Elongation as a Driver of Adaptive Radiation in Coastal Taxa

Alexandra Pamfilie

Port Jefferson Map



Thank you all for helping!

Retreat Organizing Committee

Rafael D'Andrea

Nils Volkenborn

Melissa Cohen

Coffee Committee

Rupert Ikeh

Urmi Poddar

Food Committees

Beth Watson

Bob Thacker

Dianna Padilla

Josh Rest

Cleanup Committee

Jose Moscoso Nunez

Program

Natasha Vitek

Cover Art

Immy Welles

Anna Thonis

AV Committee

Megan Wyatt

Pascal Title

Krishna Veeramah

Photography Committee

Alex Chege

Saturday Water Committee

Marin Beaupré

Friday Campus Tour

Rupert Ikeh

Sam Lavin

Friday Graduate Student Panel

Immy Welles

Derek Fucich

Ian Shuman

Henry Chao

Alex Pamfilie

Alex Gil Gomez

Student Hosts

Maddy Hallet

Sam Lavin

Raisa Campos Rizzieri

Sixto Taveras Lopez

Sarah Vaccaro

Evan Abreu

Alex Chege

Carlos Morantes Ariza

Anna Thonis

Nicolas Anderson

Yijie Tian

Saturday Excursion Leaders

Megan Wyatt

Sixto Taveras Lopez

Alex Gil-Gomez

Maddy Hallet

Anna Thonis

Caroline Fabian

Immy Welles

And thanks to everyone else who helped!