

# EVOLUTION 2026

Society of Systematic Biologists  
Society for the Study of Evolution  
American Society of Naturalists



## VIRTUAL EVOLUTION 2026

May 20-22, 2026

Zoom Events Platform

## CONFERENCE PROGRAM

# **EVOLUTION 2026**

**Society of Systematic Biologists  
Society for the Study of Evolution  
American Society of Naturalists**



## **VIRTUAL CONFERENCE OVERVIEW**

	Wed May 20	Thu May 21	Fri May 22
8:00-9:00	<p>SSE Presidential Dissertation Awards (8-10 am EDT)</p> <hr/> <p>Diverse Careers Workshop for Students &amp; Postdocs (10-11 am EDT)</p> <p>Navigating Scientific Publishing (11 am - 2:30 pm EDT)</p> <p>NSF BIO Information Session (1:30-2:30 pm EDT)</p> <p>How Can Scientists Inform and Shape Public Policy? A Panel Discussion (2:45-4:30 pm EDT)</p>	2026 Lifetime Achievement Plenary	2026 IDEA Award Plenary
9:15 – 10:30		SSE Presidential Symposium Pt. 1 Behavior I Phylogenetics I	ASN Symposium SSE Research Group Symposium Pt. 2 Paleobiology & Parallel Evolution
10:30-11:00		Break	Break
11:00-12:30		SSE Presidential Symposium Pt. 2 Adaptation I Speciation	SSE Hamilton Award Session I Macroevolution Adaptation II
12:30-1:30		Break Diverse Careers Workshop for PIs	Break
1:30-3:00		SSB Mayr Award Session I Evolutionary Ecology I Behavior II	SSE Hamilton Award Session II Modeling & Education Genomics I
3:00-3:30		Break	Break
3:30-5:00		SSB Mayr Award Session II Evolutionary Ecology II Phylogenetics II	SSE Hamilton Award Session III Evolutionary Theory Adaptation III
5:00-5:30		Break	Break
5:30-6:30	<p>Navigating Scientific Publishing (9 pm – 12:30 am EDT)</p>	2025 Lifetime Achievement Plenary	<p>ASN Student Research Awards Molecular Evolution Genomics II</p>
6:30-7:30		SSE Research Group Symposium Pt. 1 Population Genetics Systematics	
7:30-8:00			

# **EVOLUTION 2026**

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**May 20, 2026**

**Plenaries & Workshops**

# MAY 20, 2026 – Sessions

## ***SSE Presidential Dissertation Awards***

***8:00 AM - 10:00 AM EDT***

***Virtual Plenary***

### **Presentations**

8:00 AM - 9:00 AM EDT

Ancient stickleback genomes reveal the early stages of parallel adaptation

**Jan Tapio Laine**

NTNU

9:00 AM - 10:00 AM EDT

Evolutionary trends in the emergence of skeletal cell types

**Amor H Damatac**

Friedrich Miescher Laboratory of the Max Planck Society

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## ***Diverse Careers Workshop for Students & Postdocs: Which career is right for you?***

***10:00 AM - 11:00 AM EDT***

***Virtual Workshop***

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## ***Navigating Scientific Publishing - International Focus***

***11:00 AM - 2:30 PM EDT***

***Virtual Workshop***

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## ***National Science Foundation (NSF) Directorate of Biology Information Session***

***1:30 PM - 2:30 PM EDT***

***Virtual Workshop***

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## ***How Can Scientists Inform and Shape Public Policy? A Panel Discussion***

***2:45 PM - 4:30 PM EDT***

***Virtual Workshop***

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## ***Navigating Scientific Publishing - International Focus***

***9:00 PM - 11:59 PM EDT***

***Virtual Workshop***

# **EVOLUTION 2026**

**Society of Systematic Biologists  
Society for the Study of Evolution  
American Society of Naturalists**



**May 21, 2026**

**Plenaries, Symposia,  
Concurrent Sessions &  
Workshop**

# 2026 Lifetime Achievement Award

**Samuel Scheiner**

Myriad modes:  
adaptation and its study

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# MAY 20, 2026 – Sessions

## ***SSE Presidential Symposium: Navigating Uncertainty: Individual Resilience and Collective Action in Evolutionary Biology (Session 1)***

Thu, May 21 - 9:00 AM - 10:30 AM

Virtual Symposium

### *Description*

#### **Part 1: Recommendations for the Community**

Lightning Talks from Past SSE Presidents and Leaders in the Field

This session will feature past SSE Presidents and leaders in the field, each giving a 5-minute lightning talk offering concrete, actionable ideas for maintaining research programs, supporting trainees, and strengthening the field during periods of funding constraint. The emphasis will be on practical recommendations at multiple scales—individual researchers, departments, universities, the society, and the field as a whole. There will be a 30-minute Q&A following the talks.

### *Presentations*

9:00 AM - 9:05 AM

Introduction - Regina Baucom

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9:05 AM - 9:10 AM

What trainees need in uncertain times: Paths to resilient science

**Pro Manna** - Clemson University

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9:10 AM - 9:15 AM

How to ask for help in uncertain times

**Mohamed Noor** – Professor, Duke University

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9:15 AM - 9:20 AM

Realigning scholarly evaluation to support scientists' agency

**Ruth Geyer Shaw** - University of Minnesota

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9:20 AM - 9:25 AM

What Departments Can/Must Do to Support Junior Faculty in an Anti-Science Climate

# MAY 20, 2026 – Sessions

**Joseph L. Graves** - Department of Biology, North Carolina Agricultural & Technical State University

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9:25 AM - 9:30 AM

Make your science indispensable: expanding your network and showcasing your research

**Scott Vernon Edwards** - Harvard University

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9:30 AM - 9:35 AM

A snapshot of current US federal science funding

**Emily Josephs** - Michigan State University

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9:35 AM - 9:40 AM

Museums as a vehicle of hope

**Alison Davis Rabosky** - University of Michigan

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9:40 AM - 10:10 AM

Q&A

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All times EDT

9:00 - 9:15 am

Talk Withdrawn, 15 min break

9:15 - 9:30 am

Reproductive status modulates colour preference and multimodal cue integration in host plant location by butterflies - **Anaswara K. S.**

9:30 - 9:45 am

Breeding around agriculture: the disadvantage of abundance - **Aviad Heifetz**

9:45 - 10:00 am

Behavioral co-option of plant secondary compounds by a cavity-nesting bird is an adaptation against competition and predation - **James Mouton**

10:00 - 10:15 am

Variación fenotípica de los colibríes andinos en gradientes ambientales y ecológicos - **Stefany Rodriguez Hernandez**

10:15 - 10:30 am

Ancient origin of an urban underground mosquito - **Yuki Haba**

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**Behavior I**  
9:00 - 10:30 am

All times EDT

9:00 - 9:15 am

Molecular Clock Dating of Deep-Time Evolution Using Complex Mixture Models - **Sishuo Wang**

9:15 - 9:30 am

Patterns and drivers of diversification rates across geographic space in the Western Ghats - **Pragyadeep Roy**

9:30 - 9:45 am

Bayesian divergence time estimation using Hamiltonian dynamics - **Laura Mulvey**

9:45 - 10:00 am

Mothers face immediate, but family-size dependent, costs of sons in preindustrial Finland - **Hannah Dugdale**

10:00 - 10:15 am

A comprehensive phylogenomic framework for spiralia confirms roussozoa clade - **Giovanni Galassi**

10:15 - 10:30 am

Template Switching as a Driver of Promoter Evolution in Yeast - **Einat Hazkani-Covo**

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**Phylogenetics I**

9:00 - 10:30 am

All times EDT

11:00 - 11:15 am

Are seasonally plastic anti-predatory and desiccation tolerance traits developmentally linked?  
- **Bhanu Sharma**

11:15 - 11:30 am

Local adaptation and long-term maintenance of balanced inversion polymorphisms in Hawaiian cricket populations - **Jack Rayner**

11:30 - 11:45 am

Whole-genome analyses point to new candidate genes underlying aestivation in amphibians -  
**Rebecca Tarvin**

11:45 am -  
12:00 pm

Does specialization in the morphology necessarily allow predictions of ecological specialization? A case study in jerboas (Dipodidae: Rodentia) - **G. Hosein Yusefi**

12:00 - 12:15 pm

Unpacking a Caribbean adaptive radiation: ecophysiology and ecomorphology of the Hispaniolan rain frogs (genus *Eleutherodactylus*) - **Isabela Hernández Rodríguez**

12:15 - 12:30 pm

Evolution of resource-exploitation traits in island endemic birds: a shift towards more generalist ecologies? - **Raquel Ponti**

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**Adaptation I**  
11:00 am - 12:30 pm

All times EDT

1:30 - 1:45 pm

The Genomic Basis of Parallel Adaptive Radiation in Anolis Lizards - **Aryeh Miller**

1:45 - 2:00 pm

Unbounded versus bounded diversity dynamics under an Evolutionary Theory of Island Biogeography - **Maria del Rosario Miranda**

2:00 - 2:15 pm

Rapid diversification of the Tropical Andean flora and its association with gene tree discordance - **Diego Paredes-Burneo**

2:15 - 2:30 pm

Gulliver's shipwreck: a case of miniaturisation in the genus Asanada (Chilopoda, Scolopendridae) - **Karunakar Majhi**

2:30 - 2:45 pm

Rare today, common tomorrow: Evolutionary transitions and non-equilibrium dynamics shape species rarity - **Alivia Nytko**

2:45 - 3:00 pm

Islands reveal eco-evolutionary drivers of extinction resistance across Australia's vertebrate biota - **Matheus Januario**

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**SSB Ernst Mayr Award Symposium**

Session 1 - 1:30 - 3:00 pm

All times EDT

11:00 - 11:15 am

In urgent need - promotion of Plant taxonomy and collection based research, a stepping stone for a novel foundation of upcoming technologies supporting Plant Evolution! -

**Prabha Sharma**

11:15 - 11:30 am

Speciation between planets: drift, selection, migration, and the X chromosome in simulated Mars colonies - **Tomer Zilbershtein - TALK MOVED TO MOVED TO**

**Modeling & Education SESSION**

11:30 - 11:45 am

Understanding the processes underlying diversification in rockfishes, a hyperdiverse clade of marine fishes - **Liz Alter**

11:45 am -  
12:00 pm

Reinforcement of postzygotic barriers in early speciation with gene flow - **Lea Ozdere**

12:00 - 12:15 pm

Species delimitation of neotropical Andean Pupfish (Cyprinodontiformes: Orestiidae) in Peru -

**Ricardo Britzke**

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**Speciation**  
11:00 am - 12:30 pm

# Workshop: Diverse Careers Workshop for PIS

Six things you can do to support your  
career-curious graduate student

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All times EDT

1:30 - 1:45 pm

The escape artist: pre-emptive deimatic behavior in a South American grasshopper, *Paramastax nigra* - **Kyle Summers**

1:45 - 2:00 pm

Detecting Adaptive Genetic Variation in Light of Ecological Interactions - **Muhammed Shariq**

2:00 - 2:15 pm

Shifts in stem structure and floral allocation under abiotic and biotic stress - **Deidra Jacobsen**

2:15 - 2:30 pm

A new quantitative framework for local adaptation: pervasive trade-offs and widespread asymmetry - **Arash Raeisbahrani**

2:30 - 2:45 pm

Environmental DNA illuminates evolutionary patterns in tardigrade communities across urban and elevational gradients - **Payal Dash**

2:45 - 3:00 pm

Extensive hybridization is masked by parental-like phenotypes in leuciscid fish hybrids - **Liz Mandeville**

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# Evolutionary Ecology I

1:30 - 3:00 pm

All times EDT

3:30 - 3:45 pm

Dietary preferences and diversification in fruit-eating bats - **Jorge Carballo Morales**

3:45 - 4:00 pm

Ancient vicariance and museum-type diversification of dispersal-limited soil arthropods in the Western Ghats of India - **Jithin Johnson**

4:00 - 4:15 pm

Repeated colonization and physiological specialization in tropical montane anoles - **Jhan Salazar Salazar**

4:15 - 4:30 pm

Function and macroevolution of exaggerated male antennae in longhorned beetles - **Rowan French**

4:30 - 4:45 pm

Well-supported phylogenomic tree suggests an alternative interpretation of chameleon evolution and biogeography - **Meghan Forcellati**

4:45 - 5:00 pm

Geographic Predictors of Reticulate Evolution Across Deep Time in Toothy Skinks (Plestiodon) - **Jon Hoffman**

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**SSB Ernst Mayr Award Symposium**

Session 2 - 3:30 - 5:00 pm

1:30 - 1:45 pm

Male courtship plasticity relies on female behavioral cues apart from female pheromones in African *Drosophila melanogaster* - **Dean Castillo**

1:45 - 2:00 pm

Foraging activity, cuticular hydrocarbons and water stress management in the red harvester ant - **Antoine Melet**

2:00 - 2:15 pm

Outbred Pukeko achieve higher dominance scores within groups - **Quin Mann**

2:15 - 2:30 pm

Sexual Di(et)morphism: Using an experimental evolution approach to determine how the sexes diverge in *Drosophila melanogaster* - **Owen Jamieson**



All times EDT

3:30 - 3:45 pm

Decoding Disholcaspis: Phylogenetic Analysis of Honeydew Gall Wasps - **Carson Meyer**

3:45 - 4:00 pm

Genetic signatures of emergent DS-1-like human rotavirus reassortants with Wa-like P[8] VP4 genes - **Linford Otoo**

4:00 - 4:15 pm

Gene family expansion and longevity in mammals - **Benjamin Padilla-Morales**

4:15 - 4:30 pm

A new spin on old glands: evolution of diverse silk-spinning mechanisms in amphipods - **Siena McKim**

4:30 - 4:45 pm

Detecting and Mapping Local Model Violations During Biomolecular Sequence Analysis: a REsampling and Visual EvALuation Approach - **Kevin Liu**

4:45 - 5:00 pm

Skyline intervals impact diversification rate estimates under the stratigraphic ranges fossilized birth-death model - **Kate Truman**

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**Phylogenetics II**

3:30 - 5:00 pm

All times EDT

3:30 - 3:45 pm

Dietary composition divergence of distinct subpopulations of Cunner Wrasse (*Tautoglabrus adspersus*) resultant from variable spatiotemporal and ontological predictors may drive localized adaptations to predatory preferences - **Christopher Bender**

3:45 - 4:00 pm

Heat alters fruit morphology and severely limits reproduction but not growth in a widespread urban weed - **Asia Hightower**

4:00 - 4:15 pm

Horizontally acquired mitochondrial alternative oxidase contributes to springtail bioenergetics and life belowground - **Ryan Weaver**

4:15 - 4:30 pm

Urbanization and its impact on reproductive strategies: A case study of the mint species *Lamium amplexicaule* - **Shawn Arreguin**

4:30 - 4:45 pm

Hybridization dynamics of southwest tortoises along an environmental gradient - **Jade Mellor**

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**Evolutionary Ecology II**

3:30 - 5:00 pm

All times EDT

6:30 - 6:45 pm

Landscape Fragmentation Reveal Widespread Budding Speciation Potential in Land Tetrapods - **Mattheus Januario**

6:45 - 7:00 pm

Inferring the time and place of budding speciation in the face of subsequent gene exchange - **Yaniv Brandvain**

7:00 - 7:15 pm

How Important Is Budding Speciation for Comparative Studies? - **Daniel Caetano**

7:15 - 7:30 pm

Theoretical and computational aspects of inferring phylogenetic trees with budding speciation - **Sasha Gavryushkina**

7:30 - 8:00 pm

Panel discussion

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# SSE Research Group Symposium Session I

Cross-Disciplinary Approaches for Understanding Budding Speciation

All times EDT

6:30 - 6:45 pm

A multidimensional analysis of genetic structure in Canary rockfish, *Sebastes pinniger*, including an investigation of hybridization with sister species - **Parker Malhotra**

6:45 - 7:00 pm

An apple snail species miraculously still alive: GBS reveals the demographic history of *Pomacea reevei* in the Peruvian Amazon - **Elthon Hinojosa**

7:00 - 7:15 pm

A general model for the evolution of thermal performance curves with application to real time-series data - **Jiseon Min**

7:15 - 7:30 pm

Modeling the Population Dynamics of Parameterized Mutations - **Jonathan Bartlett**

7:30 - 7:45 pm

Royal blood, mortal cost: The effect of inbreeding on offspring survival and fecundity in European royal families - **Kimberley Wong**

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**Population Genetics**

6:30 - 8:00 pm

All times EDT

6:30 - 6:45 pm

Conflicting Phylogenetic Signal and Behavioral Evolution in the Trigonalidae (Hymenoptera: Trigonaloidea) - **Zachary Griebenow**

6:45 - 7:00 pm

Reproducible morphological data for phylogenetics: new developments in MorphoBank - **Brooke Long-Fox**

7:00 - 7:15 pm

Towards fully integrative species delimitation: a novel machine-learning approach to combine genetic, phenotypic, spatial, and environmental data - **Daniel Schönberger**

7:15 - 7:30 pm

Multiple gains and losses of branching complexity in leafy liverworts are driven by habitat moisture and substrate preference - **Ainun Nadhifah**

7:30 - 7:45 pm

Tracing Andean lineages: the evolutionary history of Orestias (Cyprinodontiformes: Orestiidae) - **Jorge L. Ramirez Malaver**

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**Systematics**  
6:30 - 8:00 pm

# 2025 Lifetime Achievement Award

**Naomi Pierce**

Wings and Wavelengths

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**May 22, 2026**

**Plenaries, Symposia, &  
Concurrent Sessions**

# IDEA Plenary

**Maurine Neiman**

Evolution in Practice:  
Supporting and Empowering Science and Scientists

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All times EDT

9:00 - 9:15 am

How budding shapes phylogenies and macroevolutionary patterns reconstructed from the fossil record - **Tomo Parins-Fukuchi**

9:15 - 9:30 am

The impact of speciation mode on macroevolutionary rates through time -  
**Rachel Warnock**

9:30 - 9:45 am

Advances towards tree distance measures for budding phylogenetic trees - **Bruno do Rosario Petrucci**

9:45 - 10:00 am

TBD - **Denise Kühnert**

10:00 - 10:30 am

Panel discussion

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# SSE Research Group Symposium Session II

Cross-Disciplinary Approaches for Understanding Budding Speciation

All times EDT

9:00 - 9:15 am

Mutation bias programmed by plant development - **Grey Monroe**

9:15 - 9:30 am

The unPAK project: measuring the phenotypic effects of thousands of insertion mutations -  
**Matt Rutter**

9:30 - 9:45 am

Exploring evidence and mechanisms for the larger than expected frequency of beneficial mutations quantified in Arabidopsis thaliana using Mutation Accumulation (MA) lines -  
**Charles Fenster**

9:45 - 10:00 am

Molecular adaptation reflects taxon-specific mutational biases - **David McCandlish**

10:00 - 10:15 am

The effect of mutation supply on competitive outcomes - **Deepa Agashe**

10:15 - 10:30 am

Adaptive tracking with antagonistic pleiotropy results in seemingly neutral molecular evolution - **Siliang Song**

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# ASN Symposium

Putting mutations in context - the genomic and environmental impacts  
on the distribution of fitness effects of new mutations

All times EDT

9:00 - 9:15 am

Exploring the functional differences between early and late Phanerozoic arthropod suspension feeders - **Alejandro Izquierdo López**

9:15 - 9:30 am

Some new leads on coiling in gastropods - **Ido Filin**

9:30 - 9:45 am

How to measure the length of a snake's neck - **Krista Koeller**

9:45 - 10:00 am

Determining genetic mechanisms behind the repeated evolution of cave traits in the Mexican tetra (*Astyanax mexicanus*) - **Maya Enriquez**

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# Paleobiology & Parallel Evolution

9:00 - 10:30 am

All times EDT

11:00 - 11:15 am

Turnover and introgression shape the dynamic evolution of a balanced sexual mimicry polymorphism - **Tristram Dodge**

11:15 - 11:30 am

Not all colors evolve alike: phylogenetic and ecological drivers of wing coloration in hummingbirds - **Nora Lee**

11:30 - 11:45 am

Global constraints do not explain evolutionary rate variation in anthocyanin and carotenoid loci - **Zoe Hert**

11:45 am -  
12:00 pm

Morphological marvels: Evolutionary origins and developmental repatterning of the treehopper helmet - **Savanna Brown**

12:00 - 12:15 pm

Convergent and lineage-specific evolution at different genetic levels in arid-adapted *Thamnophilus* antbirds - **Kelsie Lopez**

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# SSE Hamilton Award Symposium

Session 1: 11:00 am - 12:30 pm

All times EDT

11:00 - 11:15 am

Illuminating the mystery of thylacine extinction: a role for relaxed selection and gene loss -  
**Buddhabhushan Salve**

11:15 - 11:30 am

The Duality of Insect Macroevolution: Pulsed Genomes and Gradual Morphology Shape  
Lineage Diversification - **Akash Ajay**

11:30 - 11:45 am

From Mainland to Islands: How Environment Shapes Plumage Lightness - **Ana Leitão**

11:45 am -  
12:00 pm

Novel Non-spectral Color-Mixing in Feathers - **Vinodkumar Saranathan**

12:00 - 12:15 pm

Hidden biodiversity erosion on islands: local extirpations drive global functional loss in birds -  
**Natàlia Martínez-Rubio**

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**Macroevolution**  
11:00 am - 12:30 pm

All times EDT

11:00 - 11:15 am

Will the poorly-dispersing Newcomb's periwinkle snail evolve mechanisms to survive extremely high rocky intertidal substrate temperatures? - **Elizabeth Boulding**

11:15 - 11:30 am

Evolutionary Maintenance and Tinkering of the Mitochondrial Genomes of *Daphnia* pulled - **Jigar Trivedi**

11:30 - 11:45 am

Experimental evolution on loss of heterozygosity using engineered *Saccharomyces cerevisiae* - **Yi-Hong Ke**

11:45 am -  
12:00 pm

Density-dependent selection in *Drosophila*: Amelioration of grandparental effects in egg traits - **Mohnish Singh**

12:00 - 12:15 pm

Stage-specific nutritional selection drives divergent trait response that converge on accelerated development - **Chandrakanth M.**

12:15 - 12:30 pm

Proteome-wide evolutionary rate covariation reveals the mitonuclear coevolutionary landscape in Squamata - **Oscar Wallnoefer**

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**Adaptation II**  
11:00 am - 12:30 pm

All times EDT

1:30 - 1:45 pm

Flame-rumped Tanager pangenome reveals gene duplication as a driver of color diversification in birds - **Maria Castano**

1:45 - 2:00 pm

Structure-informed analyses of molecular evolution reveal patterns of selection hidden from linear sequence analyses - **Brad Broyles**

2:00 - 2:15 pm

How parasitoids and relaxed preferences facilitate the evolution of novel signals in a rapidly evolving field cricket - **Gabrielle Welsh**

2:15 - 2:30 pm

Choices that matter: the impact of substitution models on machine learning-based species delimitation inference - **Matheus Salles**

2:30 - 2:45 pm

Understanding the basis of adaptation to hurricanes in a Neotropical lizard - **Princeton Vaughn**

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**SSE Hamilton Award Symposium**

Session 2: 1:30 - 3:00 pm

All times EDT

1:30 - 1:45 pm

The changing landscape of museum acquisitions: hopes and fears for natural history collections post-Nagoya - **Robert Asher**

1:45 - 2:00 pm

Modeling the evolution of thermal performance curves under empirical climates - **Zoe Chapman**

2:00 - 2:15 pm

The W Drive Hypothesis predicts sweeps of mitochondrial DNA within and between populations - **Darren Irwin**

2:15 - 2:30 pm

Fluidity and Predictability of Epistasis on an Intragenic Fitness Landscape - **Sarvesh Baheti**

2:30 - 2:45 pm

Dissecting epistasis across biological scales in complex genotype–phenotype landscapes - **Fahimeh Rahimi**

2:45 - 3:00 pm

Speciation between planets: drift, selection, migration, and the X chromosome in simulated Mars colonies - **Tomer Zilbershtein**

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**Modeling & Education**

1:30 - 3:00 pm

All times EDT

1:30 - 1:45 pm

Genetic structure and geneflow of Crowned Bullfrogs (*Hoplobatrachus occipitalis*) across ecological zones in Southwestern Nigeria - **Oluwakayode Coker**

1:45 - 2:00 pm

The genetics, evolution, and maintenance of a biological rock-paper-scissors game -  
**Ammon Corl**

2:00 - 2:15 pm

Rapid evolution of mouse saliva through regulatory rewiring and gene expansions -  
**Luane Landau**

2:15 - 2:30 pm

Environmental predictors of introgression rates from domestic dogs into wild canids -  
**Malgorzata Pilot**

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**Genomics I**  
1:30 - 3:00 pm

All times EDT

3:30 - 3:45 pm

Symbiosis-Mediated Convergence in Tetrodotoxin toxicity across animals: Evidence from Harlequin Frogs (*Atelopus*, Bufonidae) - **María José Navarrete Méndez**

3:45 - 4:00 pm

Linking a genomic locus for leaf shape phenotypic plasticity to natural selection in the wild - **Jill Love**

4:00 - 4:15 pm

Genomic predictability and evolutionary limits of adaptation in *Arabidopsis thaliana* - **Laura Leventhal**

4:15 - 4:30 pm

From Nests to Shells: Macroevolution of Hierarchical Defenses in Birds - **David Ocampo**

4:30 - 4:45 pm

The ecological consequences of floral evolution in response to pollinator decline - **Hannah Brazeau**

4:30 - 4:45 pm

Genetic and environmental basis of Allen's rule in tropical and temperate house mice (*Mus musculus domesticus*) - **Sylvia Durkin**

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# SSE Hamilton Award Symposium

Session 3: 3:30 - 5:00 pm

All times EDT

3:30 - 3:45 pm

The effects of taxon selection bias: studying what is cool isn't cool - **Brian O'Meara**

3:45 - 4:00 pm

Distinct Evolutionary Processes, Identical Patterns: Governing Rules, Mapping, and Inference Bias in SSE models - **Albert Soewongsono**

4:00 - 4:15 pm

Plastic germination, temporal niche partitioning and emergent assortative mating in annual plants - **Max Schmid**

4:15 - 4:30 pm

Opinion updating in theory, data, and evolutionary simulations - **Kaleda Denton**

4:30 - 4:45 pm

How sexual dichromatism and the need for feather renewal influence moult extent in passerine birds - **Kimberley Hanna**

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**Evolutionary Theory**

3:30 - 5:00 pm

3:30 - 3:45 pm

On the origin of Baltic herring by means of natural selection - **Fahime Mohamadnejad Sangdehi**

3:45 - 4:00 pm

Adaptive phenotypic plasticity enables colonization of novel edaphic environments by the cliff species *Brassica incana* - **Lucrezia Laccetti**

4:00 - 4:15 pm

Micro-morphological variation in *Pocillopora grandis* is associated to temporal changes of corallite development - **Jason Tuang-tuang**

4:15 - 4:30 pm

The roles of plasticity and evolution in the adaptation of agricultural weeds to organic agriculture - **Robin Waterman**

4:30 - 4:45 pm

Repeated Evolution of Glyphosate Resistance in *Lolium multiflorum* Lam. Across the Continental United States - **Adrian Veron Zarate**



All times EDT

5:30 - 5:45 pm

Competition enables rapid adaptation to a warming range edge in a model plant community -  
**Takuji Usui**

5:45 - 6:00 pm

Warm Waters Undermine Cryptic Female Choice - **Matthew Kustra**

6:00 - 6:15 pm

Environmental factors influencing outcomes in diverse species interactions -  
**Nitin Ravikanthachari**

6:15 - 6:30 pm

Aquatic Lighting Environment and Depth Interact to Influence Nuptial Fin Coloration Via  
Phenotypic Plasticity - **Ratna Karatgi**

6:30 - 6:45 pm

Evolution, genetic diversity, and ecological context interact to shape community invasibility -  
**Taylor Zallek**

6:45 - 7:00 pm

Symposium Talk - TBD - **Julia Harenčár**

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# ASN Symposium: Student Research Awards

5:30 - 7:00 pm

All times EDT

5:30 - 5:45 pm

Epistasis-mediated adaptive evolution in the Drosophila Trio protein - **Flora Borne**

5:45 - 6:00 pm

The evolutionary and functional impact of the human-specific acyl-CoA thioesterase (ACOT1) gene duplication - **Carsyn Bonesteel**

6:00 - 6:15 pm

Evolution of compound eye cell types across Heliconius butterflies -  
**Wei Lu**

6:15 - 6:30 pm

Phenotypic Complexity Determines the Predictability of Molecular Convergence -  
**Daohan Jiang**

6:30 - 6:45 pm

Recurrent evolution of UV vision in frogs and toads is linked to transitions in locomotor mode  
- **Yang Liu**

EVOLUTION  
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**Molecular Evolution**

5:30 - 7:00 pm

All times EDT

5:30 - 5:45 pm

Replicated hybrid zones in Patagonian lizards uncover genomic and environmental patterns of early divergence - **Monica Paez-Vacas**

5:45 - 6:00 pm

Admixture and selection driven by El Niño–Southern Oscillation events shape the genetic structure of *Octopus mimus*-*O. hubbsorum* complex across the Humboldt and South Equatorial Current transition zone - **Zoila Raquel Ramirez**

6:00 - 6:15 pm

The mutation rate of de novo structural variants in the Florida Scrub-Jay (*Aphelocoma coerulescens*) estimated using long-read trio sequencing - **Lauren Bartel**

6:15 - 6:30 pm

Jumping genes in Hydra: Expression of transposable elements during regeneration - **Aide Macias-Muñoz**

6:30 - 6:45 pm

VCF2PopGen: A one-click software for population genetics summary statistics using genome-wide SNPs - **Sankar Subramanian**

6:45 - 7:00 pm

Genomic basis of hypoxia tolerance in the eastern oyster (*Crassostrea virginica*) - **Katie Eaton**

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**Genomics II**  
5:30 - 7:00 pm