CRPPY 2019

The Columbia-Rutgers-Princeton-Penn-Yale Annual EEB Grad Student Symposium

When? May 4th (Sat), 2019

Where? Guyot Hall, Room 10
Princeton University

What? 5 or 15 min
grad student talks

Program overview

10:00 - 10:30	Registration/Breakfast	Guyot 100
10:30 - 12:10	Talk Session 1: Behavior	Guyot 10
12:10 - 13:30	Lunch	Eno Glade
13:30 - 15:00	Talk Session 2: Evolution	Guyot 10
15:00 - 15:20	Coffee Break	Guyot 100
15:20 - 17:20	Talk Session 3: Ecology	Guyot 10
17:20 - 17:30	Best Talk Award Ceremony	Guyot 10

Talk program on the reverse side!

Talk Program

⇒ indicates a 15-min talk. Otherwise the talk is 5-min.

Session 1: Behavior 10:30 - 12:10

⇒ Kaia Tombak	Zebras and their nematodes: the host-parasite arms race in a highly seasonal system
Mike Allen	Leveraging variation in spatial synchrony to illuminate causes of grassland bird declines
⇒ Shailee Shah	Alternative male reproductive tactics in a plural cooperatively breeding bird
Justine Atkins	Allometric and state-dependent drivers of ungulate space use
⇒ Ammon Perkes	The role of female songbirds in the formation of social networks
Muyang Lu	Complex response of beta diversity to dispersal during community assembly
⇒ Chris Tokita	Social influence and biased interactions can drive emergent behavioral specialization and modular social network structure
Dajia Ye	Nurse Specialization in Pharaoh Ants, *Monomorium pharaonis*

Session 2: Evolution 13:30 - 15:00

Stephen Gaughran	Mutational accumulation in endangered seals
Natalie Niepoth	The genetic basis of exploratory behavior in deer mice
Evlyn Pless	Integrating genetic and ecological data to infer landscape connectivity
⇒ Rohini Singh	Social environment modulates *Wolbachia*-driven fitness differences of pharaoh ant colonies
Alexandra DeCandia	Genetics of urban colonization
Ozan Kiratli	Effects of Migration on Adaptation in *D. melanogaster*
⇒ Alejandro Damian-Serrano	The evolution of siphonophore tentacles
Patrick McKenzie	Inferring historical introgression using machine learning on phylogenetic invariants
Chang-Yu Chang	Pairwise interactions hardly explain coexistence of self-assembled microbial communities
Erica Lawrence	The characteristic leaf fluttering in Poplar is developmentally regulated

Session 3: Ecology 15:20 - 17:20

⇒ Rita Grunberg	The scaling of the energetic cost of parasitism
Aiyu Zheng	Competition and colonization in ecotones: “abrupt" treeline and its implication
⇒ Maddy Case	Tree responses to severe drought in an African savanna
Paulina Arancibia	The role of network topology on metapopulation dynamics: an experimental approach using protists
⇒ Tom Bytnerowicz	Time-lags in the regulation of woody nitrogen fixation
Nikunj Goel	Determinants of savanna-forest boundary
⇒ Lauren Frazee	Pollination and dispersal strategies of hardscape habitat plants
Sian Kou-Giesbrecht	Climate effects of nitrogen-fixing trees
Rachael Sacatelli	Influence of Sea Level Rise on New Jersey Salt Marsh Retreat and Succession

Best talk award ceremony 17:20-17:30