# Society for Systematic Biologists Standalone meeting 2018 Hosted by: Ohio State University Columbus OH



**Welcome!** Thank you for attending the 3<sup>rd</sup> standalone Society for Systematic Biologists meeting, SSB 2018. This year's meeting will take place June 1-4 on the campus of The Ohio State University, Columbus, OH. Columbus is a great city with Midwestern charm and is just hip enough to not be annoying.

The Society of Systematic Biologists advances the science of systematic biology in all its aspects of theory, principles, methodology, and practice, for both living and fossil organisms, with emphasis on areas of common interest to all systematic biologists regardless of individual specialization.

Volunteers can be found wearing red shirts and will be available to assist you.

# **List of volunteers:**

Mathew Boot
Paul Blischak
Drew Duckett
Mael Glon
Natalie Hamilton
Ashley Keesling
Ariadna Morales
Alejandro Otero Bravo
Tiara Stark
Ben Stone
Cole Thompson

**Meeting organizers:** Bryan Carstens, Meg Daly, Laura Kubatko, Tara Pelletier, Megan Smith

**Cover image credit:** Abbie Zimmer (The Ohio State University)

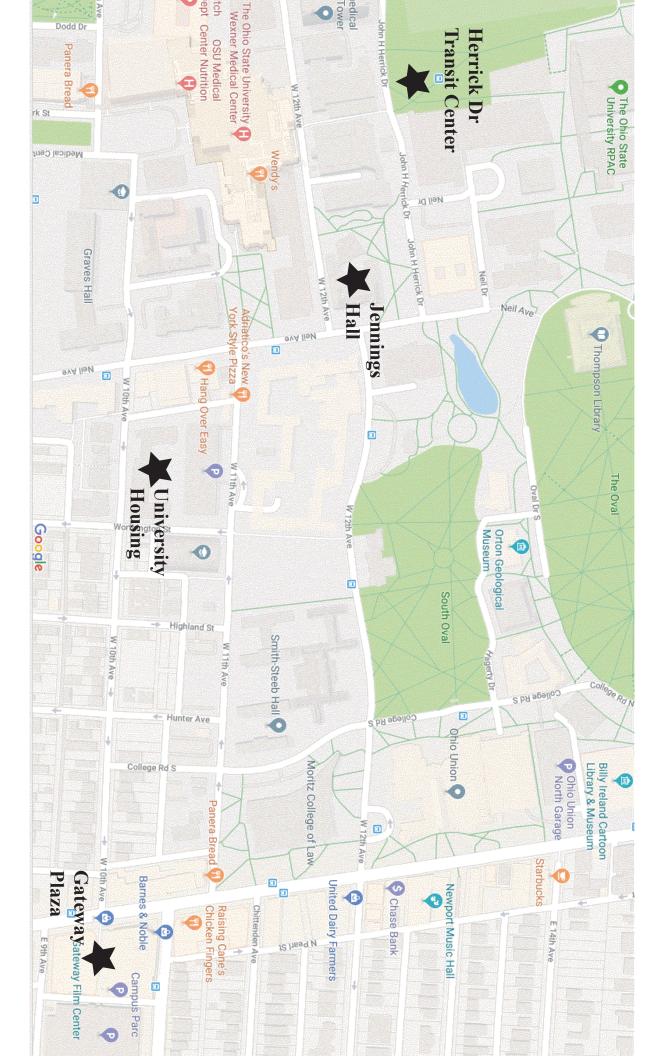
The local organizing committee has adopted a code of conduct (<a href="https://eeob.osu.edu/ssb2018/code-conduct">https://eeob.osu.edu/ssb2018/code-conduct</a>) for this meeting. People wishing to report a violation of this code should contact Bryan Carstens or Meg Daly via email (<a href="mailto:carstens.12@osu.edu">carstens.12@osu.edu</a> / <a href="mailto:daly.66@osu.edu">daly.66@osu.edu</a>) or text message (734-474-8527 / 614-596-3824).

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Time	Friday June 1	day June 1 Saturday June 2 Sunday June 3		Monday June 4
8:30 AM	•	Coffee and registration		•
8:45 AM		Coffee and registration	Coffee and registration	
9:00 AM				
9:15 AM				
9:30 AM		Lightning talks	Lightning talks	
9:45 AM		(9am - 10:30am)	(9am - 10:30am)	
10:00 AM		, , , , , , , , , , , , , , , , , , ,	,	
10:15 AM				
10:30 AM		Dunale	Drook	Workshops -
10:45 AM		Break	Break	·
11:00 AM		SSB discussion: What are the	SSB discussion: Model-based	morning sessions
11:15 AM	Registration	barriers to revisionary /	inference vs data mining &	(9am - 1pm)
11:30 AM	(10am - 5pm)	•	=	
11:45 AM		monographic work?	machine learning	
12:00 PM		(11am - 12:15pm)	(11am - 12:15pm)	
12:15 PM				
12:30 PM				
12:45 PM		Lunch (on your own)	Lunch (on your own)	
1:00 PM		Lanch (on your own)	Lanch (on your own)	
1:15 PM				
1:30 PM				Lunch
1:45 PM		SSB forum: Strategies for		(on your own)
2:00 PM		engaging undergraduate	SSB forum: Data standards	
2:15 PM	researchers		& community resources	
2:30 PM	Workshops		(1:45pm - 3:00pm)	
2:45 PM		·		
3:00 PM		Break	Break	
3:15 PM		Break	ысак	Workshops -
3:30 PM			Lightning talks	afternoon session
3:45 PM		Lightning talks	(3:30-4:15)	(until 5pm)
4:00 PM		(3:30pm - 4:30pm)	(3.30 4.13)	
4:15 PM				
4:30 PM		Advice from SSB editors	Funding conversation -	
4:45 PM		(4:30pm - 5:15pm)	Simon Malcomber, NSF	
5:00 PM		(1.55piii)	(4:15pm - 5:45pm)	
5:15 PM	Free time		(4.13piii 3.43piii)	
5:30 PM		Travel to museum		
5:45 PM		, , , , , , , , , , , , , , , , , , , ,	Concluding remarks	
6:00 PM				
6:15 PM		Poster session		
6:30 PM		(6:15- 7:15; posters will		
6:45 PM		remain up during picnic)	Ice cream social	
7:00 PM		- chiam ap daring pierie)	(6pm-8pm)	
7:15 PM	Gateway meet &			
7:30 PM	greet (6pm)	Midwostore rice:		
7:45 PM		Midwestern picnic and		
8:00 PM		backyard games		
8:15 PM		(7:15pm - 10pm)		
8:30 PM				
8:45 PM				

# **CAMPUS MAP**



Important locations are marked with a

# Workshops

# Communicating Science with Photography

Time: Friday June 1, 1pm-5pm Location: Jennings Hall 164

Instructor:

Andi Wolfe (The Ohio State University)

# Posterior Predictive Simulation

Time: Friday June 1, 1pm-5pm Location: Jennings Hall 355

**Instructors:** 

Anthony Barley (University of Hawai'i) Lyndon Coghill (Louisiana State University) Noah Reid (University of Connecticut) Bryan Carstens (The Ohio State University)

# Random Forest and Predictive Phylogeography

Time: Friday June 1, 1pm-5pm Location: Jennings Hall 160

**Instructors:** 

Anahí Espíndola (University of Idaho) Megan Smith (The Ohio State University) Megan Ruffley (University of Idaho) Tara Pelletier (The Ohio State University)

# Monography and Species Description

Time: Monday June 4, 9am-1pm Location: Jennings Hall 136

Instructor:

Meg Daly (The Ohio State University)

# Comparative Phylogeography

Time: Monday June 4, 9am-1pm Location: Jennings Hall 140

**Instructors:** 

Jamie Oaks (Auburn University)

# Species trees (https://www.asc.ohio-state.edu/kubatko.2/sptree2018/)

Time: Monday June 4, 9am-5pm Location: Jennings Hall 355

Organizers:

Laura Kubatko (The Ohio State University) Lacey Knowles (University of Michigan)

# **Forums and Discussions**

# Saturday June 2

What are the barriers to revisionary/monographic work?

Time: 11am-12:15pm Location: Jennings 001

Moderator: Meg Daly (The Ohio State University)

Panel members: Felipe Zapata (University of California, Los Angeles)

Holly Bik (University of California, Riverside)

Strategies for engaging undergraduate researchers in systematic biology.

Time: 1:45pm-3pm Location Jennings 001

Moderator: Tara Pelletier (The Ohio State University)

Panel members: Michael Moore (Oberlin College)

Chris Smith (Willamette University) Lauren Frankel (Grinnell College) Amy Luo (The Ohio State University)

Sage advice from former Systematic Biology Editors-in-Chief.

Time: 4:30pm-5:15pm Location: Jennings 001

Moderator: Bryan Carstens (The Ohio State University)

Panel members: Jack Sullivan (University of Idaho)

Andy Anderson (Southern Illinois University)

Poster Session.

Time: 6:15pm-7:15pm

Posters will remain up for the evening during the picnic.

Location: Museum of Biological Diversity Auditorium

1315 Kinnear Rd. Columbus, OH 43212

See page 14 for list of posters.

# **Forums and Discussions**

# **Sunday June 3**

Model-based inference vs. data mining/machine learning techniques.

Time: 11am-12:15pm Location: Jennings 001

Moderator: Laura Kubatko (The Ohio State University)

Panel members: Cécile Ané (University of Wisconsin-Madison)

Joe Rusinko (Hobart and William Smith Colleges)

Data standards and community resources.

Time: 1:45pm-3pm Location: Jennings 001

Moderator: Bryan Carstens (The Ohio State University)

Panel Members: Mark Miller (CIPRES)

Daisie Huang (DRYAD)

Melissa DeBiasse (University of Florida)

Conversation with Program Officers from the Systematics and Biodiversity Science Cluster at the National Science Foundation.

Time: 4:15pm-5:45pm Location: Jennings 001

Panel member: Simon Malcomber (NSF)

# **Lightning Talks**

# Saturday June 2 Morning session 9am-10:30am Jennings 001

Tide of Procentation	Drocontor	Combos
Correlation among functional trait shifts, habitat shifts, and diversification patterns in the flowering plant clade Saxifragale	Ryan Folk	Douglas E. Soltis, Pamela S. Soltis, Nico Cellinese, Mark Mort, Julie M. Allen, Rebecca L. Stubbs, Robert P. Guralnick
Assessing drivers of phylogeographic concordance in co-distributed sedge species pairs at two spatial scales	Richard Hodel	Sasha Bishop, Rob Massatti, L. Lacey Knowles
Montane regions drive diversification in Madagascar's humid-forest taxa	Kathryn Everson	Link E. Olson, Sharon A. Jansa, Steven M. Goodman
Ecomorphological convergence of Myotis bats	Ariadna Morales	Manuel Ruedi, Kathryn Field, Bryan Carstens
SNPs, Snails, and Lime: Genomic and Geologic Patterns of Ornamentation	T. Mason Linscott	T. Mason Linscott, Christine E. Parent
Genomic data reveal lineage divergence follows climate, rather than morphology, in a clade of salamanders	Kara Jones	David W. Weisrock
Phylogenomics, phylogeography, and landscape genetics in the snake tribe Thamnophiini	Derek Filipek	David Weisrock
Gulf stream formation drives allopatric speciation, secondary contact, and hybrid speciation in a cleaner shrimp species complex	Benjamin Titus	Marymegan Daly
Phylogenetics of Coral Reef Fishes: Synthesizing All-Species Trees	Mark Westneat	
Exploring reticulation patterns in Amaranthaceae s.l.	Diego Morales- Briones	Ya Yang
Hybrid speciation in Penstemon subgenus Dasanthera	Benjamin Stone	Andi Wolfe
Evolutionary impacts of introgressive hybridization in the Habronattus americanus species complex (F. Salticidae)	Tierney Bougie	Marshal Hedin
A phylogenomic approach to Myrmecophytism dynamics: Mymelachista and their plant associations in Central America	Rodolfo Probst	M.G. Bransetter, J.T. Longino

2b or not? 2d? Comparison of RADseq methods in two frog clades D	Young clades appear to be diversifying faster: meta-analysis of Especiation rates reveals ubiquitous age-dependent effects D	Mitochondrial insights into white shark population structure D	Molecular phylogenetic analysis of the Devil Crayfish group (Decapoda: Astacidae, Cambaridae) with elevation of the subgenus <i>Natural Crayfish</i>
David Cannatella	Francisco Henao Diaz	Drew Duckett	Mael Glon
Rebecca Tarvin, Anne Chambers, Juan Carlos Santos, Santiago Ron, Mileidy Betancourth, Adolfo Amézquita, David Hillis, Misha Matz, David Cannatella	Luke J. Harmon, Mauro Sugawara, Matthew W. Pennell	Shannon Corrigan, Lei Yang, Greg Skomal, Gavin Naylor	Roger F. Thoma, Chris A. Taylor, Marymegan Daly, John V. Freudenstein

# Lightning Talks

# Saturday June 2 Afternoon session 3:30pm-4:30pm Jennings 001

Title of Presentation	Presenter	Coauthors
Elucidating coevolutionary patterns of Panamanian figs and fig wasps in the genomic era	Jordan Satler	Allen Herre, Charlotte Jander, Deren Eaton, Carlos Machado, Tracy Heath, John Nason
Trait-Mediated Community Assembly Models Identified through Machine Learning and Approximate Bayesian Computation	Megan Ruffley	Katie Peterson, Bob Week, David Tank, Luke Harmon
Species Delimitation Using Random Forests and the Site Frequency Spectrum	Megan Smith	Bryan Carstens
Limits of Diversification Models - The Shape of Trees	Orlando Schwery	
Evaluating methods of detecting hybridization using a macroevolutionary simulator of phylogenomic data	Wade Dismukes	Tracy Heath
Using predictive functions as continuous regimes for rates of trait evolution across a phylogeny	Daniel S. Caetano	J.C. Uyeda, L.J. Harmon, R. Zenil-Ferguson
Using continuous trait models to test for developmental constraints	Ronald Bonett	Andrea Blair, John Phillips, Nicholus Ledbetter, Samuel Martin
Incompletely sampled phylogenies: when likelihoods go flat	Jonathan Chang	Daniel L. Rabosky, Michael E. Alfaro
Inferring species trees and networks from gene tree quartet site patterns	Paul Blischack	Laura S. Kubatko, Andrea D. Wolfe
New scalable coalescent-based species tree estimation methods	Tandy Warnow	Pranjal Vachaspati
Best Practices for Taxonomy in the Molecular Age	Timothy Colston	M.L. Smith, B.P. Noonan, R.A. Pyron

# Lightning Talks

# Sunday June 3 Morning session 9am-10:30am Jennings 001

Title of Presentation	Presenter	Coauthors
Species Delimitation within the Common Chuckwalla (Sauromalus ater) using ddRADseq data, Morphology, and Ecological Niche Modeling: Implementation of an Integrative Approach	Alexandra Sumarli	Tod W. Reeder
Integrative species delimitation as validation of Multi-Species Coalescent species hypotheses in Sidewinder Rattlesnakes	Sam Fellows	Tod W. Reeder
A First Phylogeny of the North American millipede genus Pseudopolydesmus Attems, 1898 (Diplopoda: Polydesmida: Polydesmidae)	Derek Hennen	Paul Marek
A taxonomic revision of the Appalachian millipede genus Nannaria Chamberlin, 1918	Jackson Mean	Derek Hennen, Paul Marek
Phytogeography of representative alpine plants in East Africa	Chen Lingyun	Hu Guangwan, Wang Qingfeng
Incorporating environmental evidence to delimit species in the Castilleja ambigua species complex	Sarah Jacobs	David C. Tank
Phylogenomics and species delimitation of rattlesnakes in the Crotalus triseriatus species group	Christopher Blair	Robert W. Bryson Jr., Charles Linkem, David Lazcano, John Klicka, John McCormack
Phylogenomic analysis of a putative missing link sparks reinterpretation of leech evolution	Frank Anderson	Anna J. Phillips, Alex Dornburg, Katerina Zapfe, Samuel W. James, Christer Erséus et al.*
Genetics and evolutionary relationships of Anguispira snail populations in the northern Rocky Mountains	Andrew Rankin	Frank "Andy" Anderson, Anahi Espindola, Jack Sullivan

# Sunday June 3 Morning session 9am-10:30am

# Lightning Talks Sunday June 3 Afternoon session 3:30-4:15pm Jennings 001

Title of Presentation	Presenter	Coauthors
Filtering through noisy and conflicting signal in morphometric data to confidently place fossils on the tree of life	Caroline Parins- Fukuchi	
Integrating models of fossil character evolution with stratigraphic range data	Walker Pett	Tracy Heath, Mark Holder
The genomic distribution of phylogenetically informative data	Robert Literman	Rachel Schwartz
Evaluating BAli-Phy on protein alignment benchmark datasets	Tandy Warnow	Mike Nute, Ehsan Saleh
FastRFS: Fast and Accurate Robinson Foulds Supertrees	Pranjal Vachaspati	Pranjal Vachasapati, Tandy Warnow
Adding incertae sedis taxa to the Open Tree of Life Synthetic Tree	Benjamin Redelings	Mark T. Holder
Major trends in MCMC convergence in empirical datasets	Sean Harrington	Robert C. Thomson
Orthologs and Paralogs: What's the Difference?	Kyle David	Jamie R. Oaks, Kenneth M. Halanych
Full Bayesian estimation of contemporaneous demographic changes from genomic data	Jamie Oaks	

# **Posters**

# Saturday June 2 on display at 6:15pm Museum auditorium

<b>±</b>	Title of Doctor	Drosontor	Courthous
-	Tests of biomes as ecological proxies for community- wide patterns based on environmental niche	Mariah Kenney	Alyssa Meller, L. Lacey Knowles
2	Biogeographic Patterns of the Pomacentridae with insight into the Coral Triangle	Chloe Nash	Charlene McCord, Mark Westneat
ω	Concordance concepts in phylogeography: differential detectability of demographic events across time	Giorgia Auteri	Giorgia G. Auteri, Sasha G. D. Bishop, Rachel Wadleigh, Joyce Prado, Huateng Huang, and L. Lacey Knowles
4	Concordance concepts in phylogeography: statistical trade-offs between taxa and loci in detecting population divergences	Sasha G.D. Bishop	Giorgia G. Auteri, Rachel Wadleigh, Joyce Prado, Huateng Huang, L. Lacey Knowles
5	Concordance concepts in phylogeography: statistical trade-offs between taxa and loci in detecting population expansions	Rachel Wadleigh	Giorgia G. Auteri, Sasha G. D. Bishop, Joyce Prado, Huateng Huang, and L. Lacey Knowles
6	Environmental versus geological barriers in the Great American Biotic Interchange: a biogeographic analysis using frogs.	Carlos Jiménez- Rivillas	Roberto Ibáñez, Catalina González, Andrew J. Crawford
7	Resolving deep branching in rodent phylogeny using phylogenomics and a multispecies coalescent approximation	Carlos Jiménez- Rivillas	Santiago Herrera-Álvarez, Andrew J. Crawford
∞	Phylogeography in the Payunia District: the evolutionary history of two endemic Adesmia species with contrasting life forms	Dana Lucia Aguilar	Matías Cristian Baranzelli, Andrea Cosacov, Gonzalo Andrés Camps, Nicolás Rocamundi, Eduardo Andrés Issaly, Alicia Noemí Sérsic.
9	Diversification in the Neotropical dry diagonal	João Claudio de Sousa Nascimento	Vera Nisaka Solferini
10	Gene flow and historical demography on a Neotropical OCBIL: testing for reduced seed dispersibility and prolonged local persistence	Cecilia Fonseca Fiorini	Marina Miranda, Viviane Silva-Pereira, Ariane Raquel Barbosa, Ubirajara de Oliveira, Luciana Kamino, Eduardo Borba

20 SVDquest*: In Estimation 21 Amino-acid rec saturation 22 Fast Likelihood				19 Estimation of S Coalescent	18 First record of a praying ma Marquesas Archipelago: <i>Tra</i> (Mantodea, Iridopterygidae)	17 Broad and fine farming ant Se	16 Deciphering the <i>Neotoma</i> of southwestern New Mexico	Comparison of automated San phylogeograph crab	14 Integrating envi to explain popu Hirundo rustica	13 Digging up the of a fossorial sl	12 Mito-nuclear d dispersal of a la	Comparative phylogeograp of the scale of concordance	
,	Fast Likelihoods for Sparse Alignments	Amino-acid recoding does not reduce the effects of saturation	SVDquest*: Improving SVDquartets Species Tree Estimation	Estimation of Speciation Times Under the Multispecies Coalescent	First record of a praying mantis in the mid-Pacific Marquesas Archipelago: <i>Tropidomantis</i> sp. nov. (Mantodea, Iridopterygidae)	Broad and fine scale genetic variation in the fungus farming ant Sericomyrmex amabilis	Deciphering the <i>Neotoma albigula</i> complex of southwestern New Mexico	Comparison of genetic approaches (ddRadSeq and automated Sanger sequencing) for studying the phylogeography of the Caribbean blue-legged hermit crab	Integrating environmental, genetic and historic factors to explain population differentiation in subspecies of Hirundo rustica	Digging up the phylogenetics and population structure of a fossorial skink, Plestiodon egregius	Mito-nuclear discordance, gene flow, and male-biased dispersal of a large snake, Drymarchon couperi	Comparative phylogeography of Cerrado trees and tests of the scale of concordance	
(	Benjamin Redelings	Joseph Ryan	Pranjal Vachaspati	Jing Peng	Sydney Branncoch	Matthew R. Boot	Schuyler Liphardt	Tiara Stark	Javan Carter	Kathryn Mercier	Brian Folt	Luciana Resende- Moreira	
		Alexandra M. Hernandez	Pranjal Vachaspati, Tandy Warnow	Laura S. Kubatko	Sydney K. Brannoch & Gavin J. Svenson	Rachelle M. Adams	Amanda Jones, Katrina Derieg, Joseph Cook	Natalie Hamilton, Marymegan Daly	Stacey Smith, Rebecca Safran	Christopher L. Parkinson	Javan Bauder, Stephen Spear, Dirk Stevenson, Michelle Hoffman, Jamie Oaks, David Steen, Christopher Jenkins, Craig Guyer	Maria Bernadete Lovato, José Pires de Lemos-Filho, L. Lacey Knowles	

24		Toscani Jasper Field	Dr. Emily Jane McTavish
25	Phylogenomic understanding of the tribe Brassiceae	R. Shawn Abrahams	
26	Life history shifts and distributional patterns of aquatic isopods	Alexander Hess	
27	The First Phylogeny for the Bembix Sand Wasps (Crabronidae)	Jeremy Frank	
28	A freely available and modular sequence capture probe set for phylogenomics and population genetics for frogs	Carl Hutter	
29	The impact of introgression at high-latitudes: a meso-carnivore case study	Jocelyn Colella	
30	Phylogenetic incongruence and interspecific crossability in the tomatillos (Physalis, Solanaceae)	Chelsea Pretz	
31	Adaptive evolution with Jumps. A new model for genome size evolution	Rosana Zenil- Ferguson	
32	What can phylogenies tell us about grass phenology?	Barbara Neto-Bradley	lley
33	Genomic Organization and its Influence on the Diversity of Angiosperms	Kimberly Farr	
34	Evolution of bioluminescence in Sierra luminous millipedes (Polydesmida, Xystodesmidae)	Paul Marek	
35	Exploring venom gene expression among lineages of the Sidewinder rattlesnake (Crotalus cerastes)	Rhett Rautsaw	
36	Venom gland transcriptomics highlight the role of regulatory evolution in shaping the venom phenotypes of Palm-Pitvipers	Andrew Mason	
37	Riverine barriers as potential drivers of biodiversification in a major evolutionary hotspot: A Bayesian approach to model comparison	Randy L. Klabacka	4

# **Social Events**

# Gateway Plaza Meet & Greet

Time: Friday 6pm

Location: Gateway Plaza See page 4 for map.

This area has several restaurants and bars within walking distance from the meeting.

# Midwestern Picnic

Time: Saturday 6pm-10pm

Location: Museum of Biological Diversity

1315 Kinnear Rd Columbus, OH 43212

See page 18 for map.

This includes 2 drink tickets per person and a backyard bbq menu. Outdoor lawn games will be available!

# Ice cream social

Time: Sunday 6pm-8pm

Location: Outside Jennings hall

This includes ice cream from the Sweet Tooth Ice Cream Truck based out of Grove City OH!

# **Housing Information**

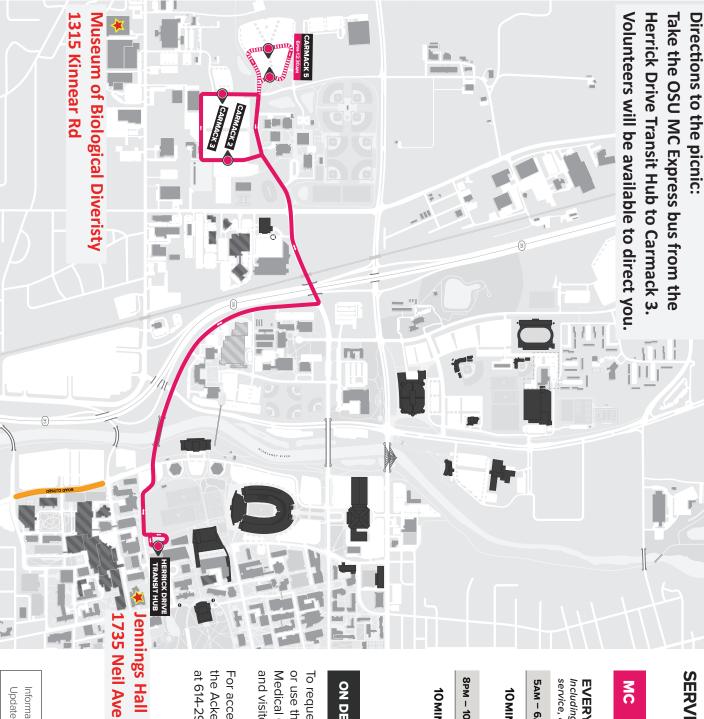
University Housing 230 West 10<sup>th</sup> Ave Columbus, OH 43210

Summer phone: 614-292-8448 Hall Director: Katie Duffy

Assistant Director: Marcell Crawford

Hyatt Place 795 Yard St Columbus, OH 43212 614-280-1234 **Group booking code G-OBIO** 

# Volunteers will be available to direct you. Herrick Drive Transit Hub to Carmack 3. Take the OSU MC Express bus from the Directions to the picnic:



# **SERVICE HOURS AND FREQUENCIES** 2017 - 2018

# MED CENTER EXPRESS

# **EVERYDAY**

Including weekdays, weekends, summer service, breaks service, & university holidays.

10MIN	8РМ — 10РМ	10MIN	5aм – 6aм
ωMIN	10PM - MDNT	3MIN	6ам – 8ам
10MIN	8PM - 10PM 10PM - MDNT MDNT -12:30AM	10MIN	8AM - 2PM
ON DEMAND	12:30AM - 5AM	3MIN	2PM – 8PM

# ON DEMAND SERVICE

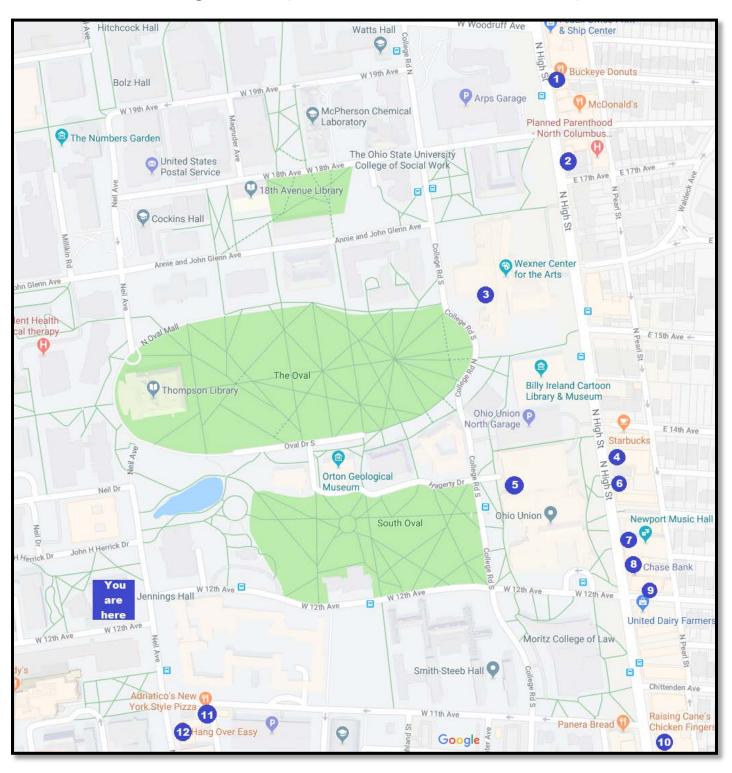
12:30AM - 5AM

and visitor garages. or use the call buttons located at the main entrances of To request on-demand service, please call 614-293-8669 Medical Center buildings and by the elevators of all patient

at 614-293-8500. the Ackerman shuttle is not running, call Hospital Security For access to the Medical Center or Ackerman Road when

Information current as of 10/24/17. Subject to change without notice. Updates posted at ttm.osu.edu.

# Looking for a place to eat near campus?





The majority of restaurants nearby can be found on High Street. A few restaurants are numbered on the map above and listed on the following page.

# 1. Buckeye Donuts

24-hour donut shop in the heart of the OSU campus area serving breakfast fare, donuts & Greek gyros.

Address: 1998 N High St, Columbus, OH 43201

Hours: Open 24 Hours

## 3. Heirloom Cafe

Vegan-friendly cafe & espresso bar in OSU's Wexner Center with a seasonal, organic, local focus. **Address:** 1871 N High St, Columbus, OH 43201 **Hours:** 8am- 4pm M-W, 8am- 8pm Th-F

# 5. Union Market

Union Market offers on campus classic favorites in a marketplace style.

Address: 1739 North High Street (The Ohio Union)

Columbus, OH 43210

Hours: 10:30am-10pm M-Th 10:30am-9pm F

# 7. Blaze Pizza

Hip counter-serve pizzeria dishing up crispy, thincrust pies made with creative toppings & sauces. **Address:** 1708 N High St, Columbus, OH 43201 **Hours:** 11am-1am M-W, 11am-4am Th-F

# 9. Lan Zhou Noodles

Casual Chinese noodle restaurant Address: 10 E 12th Ave Columbus, OH 43201 Hours: 10am-10pm

# 11. Adriatico's New York Style Pizza

An unassuming campus mainstay vending pies, subs, pasta & salads along with beer & wine.

Address: 265 W 11th Ave, Columbus, OH 43201

Hours: 11am-1:30am M-Th, 11am- 2:30am F

## 2. Red Chili

Casual Chinese restaurant

Address: 1948 N High St, Columbus, OH 43201

Hours: 10am- 9pm M-F

## 4. BIBIBOP Asian Grill

Americanization of Korean food with mixed rice dishes.

Address: 1778 N High St, Columbus, OH 43201 Hours: 11am- 9pm M-Th, 11am-10pm F

# 6. Chipotle

Fast-food chain offering Mexican fare, including design-your-own burritos, tacos & bowls. **Address:** 1726 N High St, Columbus, OH 43201 **Hours:** 10:45am-10pm M-F

# 8. Apollo's Greek Kitchen

Snug, collegial eatery with late-night hours dishing Up Greek specialties, with delivery available. Address: 1758 N High St, Columbus, OH 43201 Hours: 12pm-1:45am

# 10. Raising Cane's Chicken Fingers

Fast-food chain specializing in fried chicken fingers, crinkle-cut fries & Texas toast.

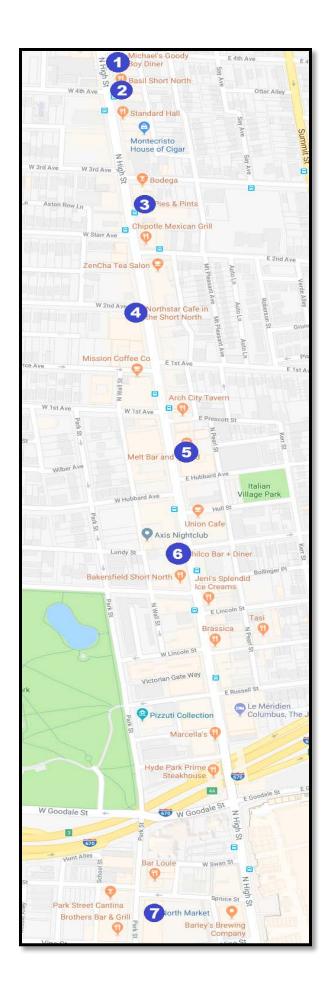
**Address:** 10 E 11th Ave, Columbus, OH 43201 **Hours:** 10:30am-11pm M-W, 10:30am-3am Th-F

# 12. Hang Over Easy

"Breakfast cures all" is the motto of this diner serving up an egg-heavy menu of comfort food.

Address: 1646 Neil Ave, Columbus, OH 43201

Hours: 7am-3pm M-F



# **Short North**

# 1. Michael's Goody Boy Diner

Late Night Comfort Classic Diner Food **Address:** 1144 N High St, Columbus, OH 43201 **Hours:** 9am- 2:30am M-F

# 2. Basil

Noodles, curries & bar drinks are served in a vintage-chic room with dark wood & moody lighting.

Address: 1124 N High St, Columbus, OH 43201

Hours: 11:30am-10pm M-F

# 3. Pies and Pints

Pizzeria chain offering an array of craft beers, plus specialty pizzas, salads & sandwiches. **Address:** 1026 N High St, Columbus, OH 43201 **Hours:** 11am-10pm M-Th 11am-12am F

# 4. Northstar Café

Modern cafe with an open kitchen serving up organic New American fare & house-baked sweets.

Address: 951 N High St, Columbus, OH 43201

Hours: 9am-10pm M-F

# 5. Melt Bar and Grilled

Informal sandwich shop featuring over-the-top grilled cheeses plus burgers, beer & wine Address: 840 N High St, Columbus, OH 43215 Hours:11am-10pm M-Th, 11am-11pm F

# 6. Philco Bar & Diner

Hip eatery in Spartan digs featuring diner fare with a modern twist & an all-day breakfast menu Address: 747 N High St, Columbus, OH 43215 Hours: 9am-11pm M-Th 9am-12am F

# 7. North Market

A historic public market featuring fresh and prepared foods, authentic ethnic cuisine, flowers, wine and beer, unique gifts and cookware

Address: 59 Spruce St, Columbus, OH 43215

Hours: 9am-5pm, M, 9am-7pm T-F