



Society of Systematic Biologists
2018 Meeting
Columbus, Ohio, USA



June 18, 2018

re: Meeting report

Dear SSB Council,

On behalf of the local organizing committee (Meg Daly, Laura Kubatko, Tara Pelletier, Megan Smith), I am writing to wrap up the 2018 Standalone meeting in Columbus, OH. We had a total of 163 people attend the meeting (68 grad students, 45 postdocs, 51 faculty, 16 undergraduates). Notably, of the undergraduate students 14 were attending their first professional meeting, including 9 students from the 2018 OSU EEOB REU program.

Our meeting ran from noon on Friday, June 1 until 5:00 on Monday, June 4. Our schedule is included at the end of this document. Monday and Friday were devoted to workshops that were organized by people listed below:

Communicating Science with Photography (12 enrolled): Andi Wolfe.

Posterior Predictive Simulation (47 enrolled): Anthony Barley, Lyndon Coghill, Noah Reid, Bryan Carstens.

Random Forest and Predictive Phylogeography (37 enrolled): Tara Pelletier, Megan Ruffley, Megan Smith, Anahi Espindola.

Monography and Species Description (17 enrolled): Meg Daly.

Species Tree Estimation (60 enrolled): Laura Kubatko, Lacey Knowles.

Comparative Phylogeography (31 enrolled): Jaime Oaks.

As indicated by the number enrolled, our workshops proved to be popular. Workshops at Evolution / SSB meetings were originally started as a supplement to the normal meeting activities, but most of the people that attended our meeting enrolled in at least one of the workshops. This caught the organizers by surprise to some extent (for example, I was planning on ~15 students in my workshop), but we accommodated anyone who expressed interest.

We devoted all of Saturday and Sunday to a single session at the meeting. This included lightning talks (54 presenters), a poster session (37 presenters), and several panel discussion / forums:



SSB Discussion: What are the barriers to revisionary/monographic work? (Meg Daly, Felipe Zapata, Holly Bik).

SSB Forum: Strategies for Engaging Undergraduate Researchers in Systematic Biology (Mike Moore, Chris Smith, Lauren Frankel, Amy Luo).

SSB Forum: Data Standards and Community Resources Discussion (Mark Miller, Daisie Huang from Dryad, Melissa DeBiasse).

SSB Discussion: Model-based inference vs. data mining/machine learning techniques (Laura Kubatko, Cécile Ané, Joe Rusinko).

SSB Forum: Sage advice from former Editors-in-Chief (David Cannatella, Jack Sullivan, Andy Anderson).

Systematics Funding Conversation (Simon Malcomber, Christopher Schneider).

These sessions were among the highlights of the meeting, and served as an impetus for some additional action. For example, one group (Tara Pelletier, Chris Smith, Lauren Frank, Amy Luo, Mike Moore) is working on a manuscript that details strategies for effective mentoring of undergraduates in systematic biology and another (Mark Westneat, Joe Ryan, Matt Pennell, Daisie Huang, Pranjal Vachaspati, Tara Pelletier) is working on developing a more extensive set of guidelines for description and documentation of data storage and phylogenetic analysis. The second initiative was particularly exciting because it was prompted by a motion from the floor near the conclusion of the Data Standards and Community Resources discussion. The general consensus was that SSB should take the lead in defining and promoting standards for the publication of systematic investigations and the sharing of data and the outputs of these investigations.

In addition to the workshop and meeting sessions, we had three social events. On Friday, everyone was invited to a local entertainment district for dinner at one of several restaurants that border a plaza. Many meeting attendees congregated at a local bar after dinner. On Saturday, we hosted a catered picnic on the front lawn of the OSU Museum of Biological Diversity. On Sunday, we hosted an ice cream social on main campus. Our intention with these events was to provide people with an opportunity for networking and informal discussion.

Meeting planning. While we began formal planning for the meeting in January of 2017, shortly after the Baton Rouge meeting, the original idea was developed during a discussion between Jeremy Brown, Stacey Smith, and Bryan Carstens shortly after the Ann Arbor SSB meeting in 2015. During this discussion, we realized that we should have another standalone meeting during the summer of 2018 due to the Evolution meeting being in France this year. At the same time, we thought that 3 years between these meetings would prevent us from building momentum, so Jeremy volunteered to organize a winter 2017 meeting in Baton Rouge followed by a summer 2018 meeting in Columbus. Meeting preparations for our meeting really got



underway during the summer of 2017, with discussions about what our goals were and how we could enable them. By far the biggest hassle with the meeting organization was dealing with the registration software. Because we used an account in our department at OSU to store the registration fees and for payment of various costs, we were constrained in the software that we could use by the university. This resulted in a rather clunky registration site with poor integration between this site and our meeting page. We also were not able to adjust registrations after the meeting, such that one long time member who wanted to register on site was unable to, and we were not able to bill a couple of people who ended up staying in the dorms an extra night. We comped these instances, and asked the unintentional beneficiaries to pay it back to SSB via future service. To facilitate future meetings, SSB might want to consider hosting meeting registration along with their new membership system.

The budgeting for the meeting was a source of considerable anxiety to the organizing committee, in large part because we did not really know what we would need to spend money on. We based our calculations on the expectation that we'd have about the same number of people as the Baton Rouge meeting (~175), and decided on a graduated fee structure ranging from \$100 (for undergrads) to \$150 (for professionals). We then made some guesses as to how much revenue we'd have to work with, and tried to budget accordingly. We also offered some discounts. For example, speakers were given the option of registering with a discount code of 25%, student volunteers were offered a similar option, etc. As I had funds in an NSF grant for participant support costs for the Posterior Predictive Simulation workshop that I planned to offer to students to offset the registration and housing costs, I offered discounts of 75% for graduate students who enrolled in this workshop. We also offered housing costs at the OSU dorms for some of the speakers and workshop participants. In total, our revenue (from registrations) was \$20,134 and our expenses were \$21,915. Full details of the budget are below.

The biggest snafu with the budgeting came from a decision that we made about the conference hotel. We realized after the meeting date was set that the weekend of our meeting was also the weekend where the Ohio State High School Track and Field Championships were being held on campus. This event brings in about 6000 athletes and parents from across the state, and consequently hotel rooms are scarce. We contracted a block of rooms at a local hotel so that our members would have an option besides the OSU Dorms. Unfortunately, we did not meet our sales quota of 96 person – nights, so we were contractually obligated to pay the Hyatt for these unsold rooms. Even with this issue, we were able to provide what we hope felt like a good value for people's registration costs. For example, we provided coffee and breakfast items in the morning on Saturday and Sunday, a catered picnic (including a university mandated not more than two alcoholic beverages per person), an ice cream social, and other assorted snacks and beverages during afternoon sessions. We also were able to provide attendees with a meeting T-shirt, name tags and a program.



Future meetings. Several people (including Felipe Zapata and Emily Sessa) asked me what the procedure was for proposing a standalone meeting in the future. I basically suggested that they approach the council, but also mentioned that we did not have (to my knowledge) a formal procedure for such proposals. I would suggest that if the council values these meetings that they might consider issuing a call for proposals. This would also provide some cover to meeting organizers, as at least one member from Europe contacted me prior to the meeting to express how very upset they were with us for planning this meeting during a summer when the Evolution meeting was not in North America. In the future it would be great for these meetings to pop up in other countries, particularly when the Evolution meeting is elsewhere.

In summary, we feel as if the meeting went as smoothly as could be expected. It was stressful for the meeting organizers (particularly when a building flood forced us to move rooms the day before the meeting began), but in total we are happy with how things turned out. For the record, we are also more than happy to share our expertise with others who would like to plan the next standalone meeting. We have prepared this document as the first step in this process. We are also happy to answer any additional questions

Sincerely,

Bryan Carstens, on behalf of the local organizing committee: Meg Daly, Laura Kubatko, Tara Pelletier, Megan Smith



Revenue / Expense Report

Category	Item	Revenue (\$)	Expense (\$)
Regonline	registration fees (total)	20134	
	PSC costs - NSF DBI 60060343	2000	
<i>Registration</i>	Printed meeting booklet (UniPrint)	540.04	
	Name tags (UniPrint)	66.82	
	Name tag holders	108.13	
	Envelopes / paper clips / supplies	53.35	
	T-Shirts (PR4390038)	1371.9	
	Registration fee for RegOnline website	450	
	Registration charges from RegOnline	462	
<i>Food / beverages</i>	Coffee breaks (University Catering)	3683.4	
	Parking permit (Ice Cream truck)	13	
	Snacks / drinks	217	
	Catering (add)	375.87	
	Ice Cream Truck (EdARM)	586.5	
	Catering (PC Events Catering)	4460.4	
	Liquor Permit Application	150	
	Heidelberg Distributing (beer, wine)	427	
<i>Picnic supplies</i>	Bar Service (Univ Catering)	426.2	
	Tables / Chairs (O'Neil Tents)	297.5	
	Rope (for mandated fence)	76.48	
<i>Poster Session</i>	Velcro (for posters)	13.99	
	U-haul (moving poster stands)	60.22	
<i>Housing</i>	Hyatt Place (450820001)	596	
	Hyatt Place (unsold rooms fee)	745	
	OSU Residence on 10th	6735	
<i>Total</i>		22134	21915.8

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

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



SSB 2018
Columbus

Welcome! Thank you for attending the 3rd 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)

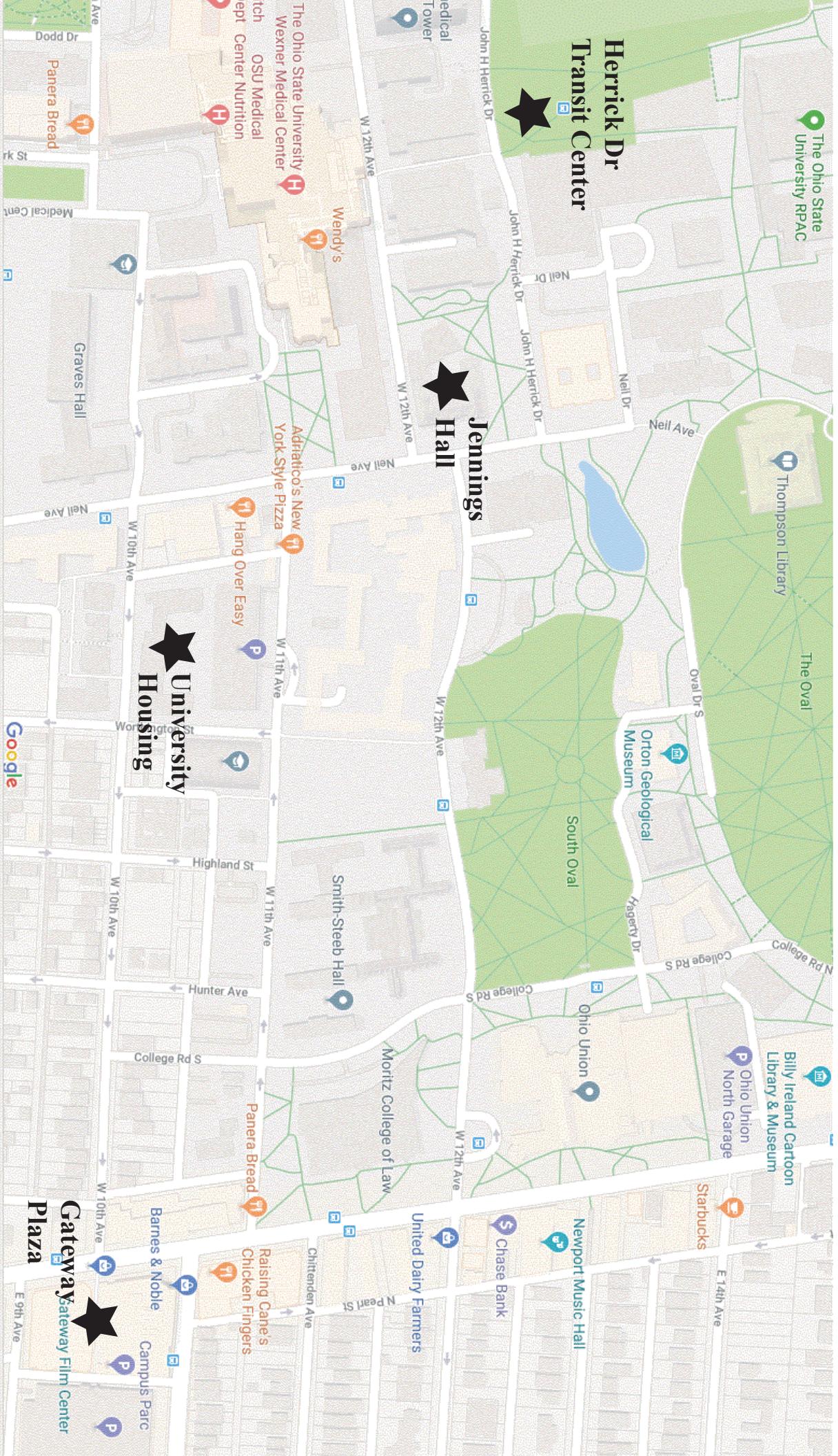
The local organizing committee has adopted a code of conduct (<https://eeob.osu.edu/ssb2018/code-conduct>) for this meeting. People wishing to report a violation of this code should contact Bryan Carstens or Meg Daly via email (carstens.12@osu.edu / daly.66@osu.edu) or text message (734-474-8527 / 614-596-3824).

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11:30 AM				
11:45 AM				
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12:15 PM		Lunch (on your own)	Lunch (on your own)	Lunch (on your own)
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4:15 PM				
4:30 PM				
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6:30 PM				
6:45 PM				
7:00 PM				
7:15 PM				
7:30 PM				
7:45 PM				
8:00 PM				
8:15 PM		Midwestern picnic and backyard games (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

Title of Presentation	Presenter	Coauthors
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 <i>Myotis</i> 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-Brienes	Ya Yang
Hybrid speciation in <i>Penstemon</i> subgenus <i>Dasanthera</i>	Benjamin Stone	Andi Wolfe
Evolutionary impacts of introgressive hybridization in the <i>Habronattus americanus</i> species complex (F. Salticidae)	Tierney Bougie	Marshal Hedin
A phylogenomic approach to Myrmecophytism dynamics: <i>Myrmelachista</i> and their plant associations in Central America	Rodolfo Probst	M.G. Bransetter, J.T. Longino

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

Saturday June 2 Morning session 9am-10:30am

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, Nicholas 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 Blischak	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 (<i>Sauromalus ater</i>) 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 Namaria 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 <i>Crotalus triseriatus</i> species group	Christopher Blair	Robert W. Bryson Jr., Charles Linkem, David Lazcano, John Kicka, 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 <i>Anguispira</i> snail populations in the northern Rocky Mountains	Andrew Rankin	Frank "Andy" Anderson, Anahi Espindola, Jack Sullivan

The evolution of blood parasitism in flatworms: what's VAP got to do with it?

Breanna Sipley

Stephen A. Bullard, Jamie R. Oaks, Kenneth M. Halanych

The Evolution of Viviparity and the Insulin and Insulin-like Signaling Network in *Sceloporus* Lizards

Audrea Westfall

Jamie R. Oaks, Tonia S. Schwartz

Cryptic species complexes and evolutionary drivers of Australian native dung beetles (Coleoptera: Scarabaeidae: Scarabaeinae)

Nicole Gunter

Resolving long branch attraction artifacts in convergent genome-reduced symbionts of stink bugs

Alejandro Otero-Bravo

Zakee L. Sabree

Polyplody in eastern North American Isoetes

Peter Schafrahn

Elizabeth Zimmer, W. Carl Taylor, Lytton Musselman

How many ways are there to make a purple flower?

Erin Tripp

Carrie Kiel, Nicolas Medina, Manuel Lujan, Yongbin Zhuang, Matt Schreiber, Heather Stone, Eileen Berbeo, Lucinda McDade

Understanding the genetic diversity of Mammals in Protected Areas: A big data approach

Colleen Thompson

Bryan C. Carstens, Tara A. Pelletier

DateLife: Leveraging databases and analytical tools to reveal the dated Tree of Life

Luna L. Sanchez-Reyes

Brian C. O'Meara

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 Vachaspati, 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

#	Title of Poster	Presenter	Coauthors
1	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
3	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-Alvarez, Andrew J. Crawford
8	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 OCBII: 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 Boiba

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

24	Rapid Updating of Bacterial Phylogenetics	Toscani Jasper Field	Dr. Emily Jane McTavish
25	Phylogenomic understanding of the tribe Brassiceae	R. Shawn Abrahams	Jacob Washburn, J. Chris Pires
26	Life history shifts and distributional patterns of aquatic isopods	Alexander Hess	Ronald Bonett
27	The First Phylogeny for the <i>Bembix</i> Sand Wasps (Crabronidae)	Jeremy Frank	
28	A freely available and modular sequence capture probe set for phylogenomics and population genetics for frogs	Carl Hutter	Rafe Brown
29	The impact of introgression at high-latitudes: a meso-carnivore case study	Jocelyn Colella	T.-Y. Lan, R.E. Wilson, C. Lindqvist, S. L. Talbot, J.A. Cook
30	Phylogenetic incongruence and interspecific crossability in the tomatillos (<i>Physalis</i> , Solanaceae)	Chelsea Pretz	Rocio Deanna, Stacey D. Smith
31	Adaptive evolution with Jumps: A new model for genome size evolution	Rosana Zenil-Ferguson	Antonio Murillo Salas, Josef Uyeda, Emma Goldberg, Luke Harmon
32	What can phylogenies tell us about grass phenology?	Barbara Neto-Bradley	
33	Genomic Organization and its Influence on the Diversity of Angiosperms	Kimberly Farr	Kimberly Farr, Mary Bisson, Tianying Lan, Omer Gokcumen, Derek Taylor
34	Evolution of bioluminescence in Sierra luminous millipedes (Polydesmida, Xystodesmidae)	Paul Marek	Jackson Means
35	Exploring venom gene expression among lineages of the Sidewinder rattlesnake (<i>Crotalus cerastes</i>)	Rhett Rautsaw	Enrich P. Hofmann, Darin R. Rokyta, Christopher L. Parkinson
36	Venom gland transcriptomics highlight the role of regulatory evolution in shaping the venom phenotypes of Palm-Pitvipers	Andrew Mason	Mahmood Sasa, Darin Rokyta, Christopher Parkinson
37	Riverine barriers as potential drivers of biodiversification in a major evolutionary hotspot: A Bayesian approach to model comparison	Randy L. Klabacka	Perry L. Wood Jr., Jim A. McGuire, Jamie R. Oaks, L. Lee Grismer, Jesse L. Grismer, Jack W. Sites Jr.

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 10th 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

Directions to the picnic:

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

2017 – 2018 SERVICE HOURS AND FREQUENCIES

MC

MED CENTER EXPRESS

EVERYDAY

Including weekdays, weekends, summer service, breaks

service, & university holidays.

5AM – 6AM	6AM – 8AM	8AM – 2PM	2PM – 8PM
10MIN	3MIN	10MIN	3MIN
8PM – 10PM	10PM – MDNT	MDNT – 12:30AM	12:30AM – 5AM
10MIN	3MIN	10MIN	ON DEMAND

ON DEMAND SERVICE

12:30AM – 5AM

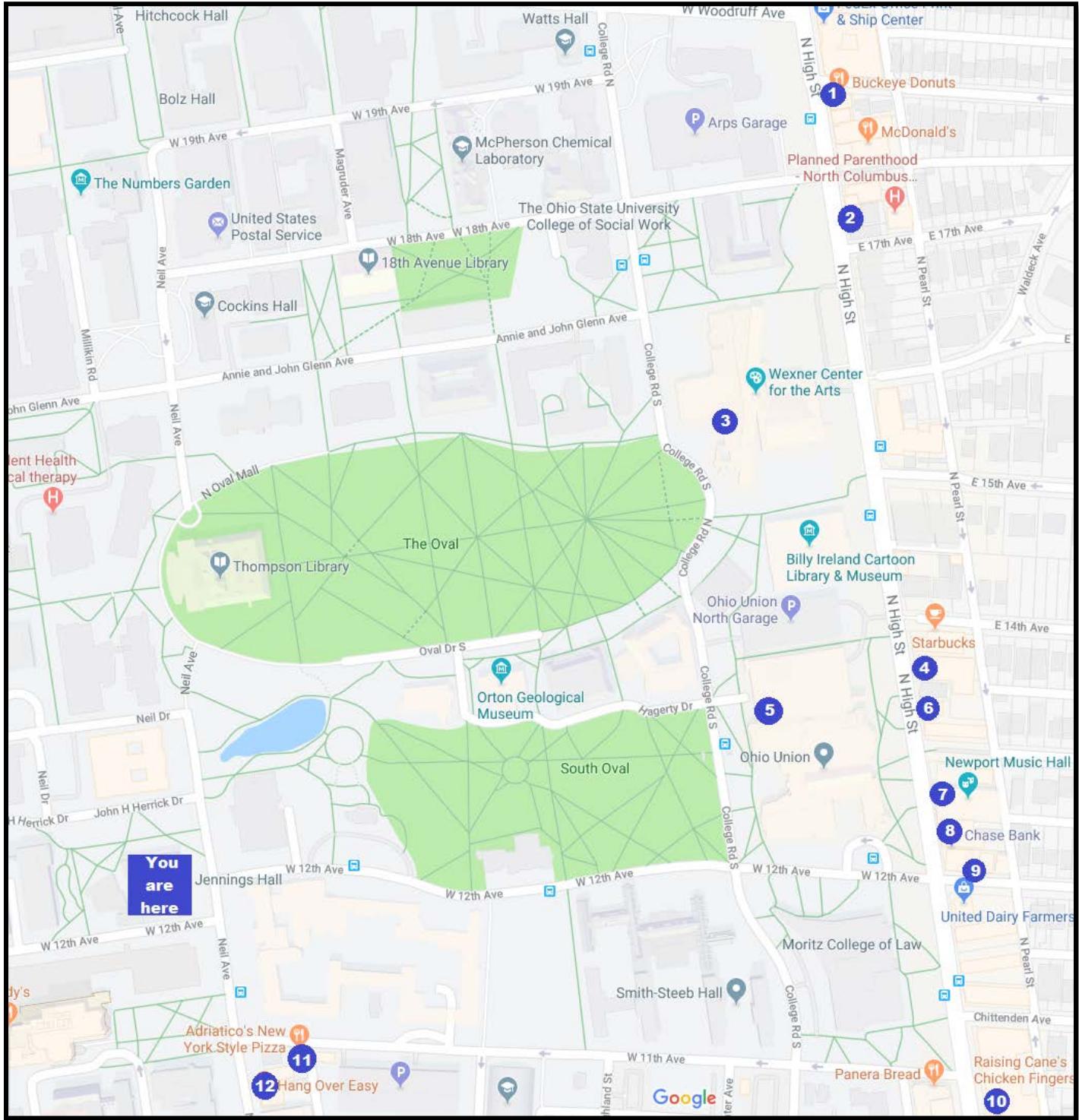
To request on-demand service, please call 614-293-8669 or use the call buttons located at the main entrances of Medical Center buildings and by the elevators of all patient and visitor garages.

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



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, thin-crust 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

