

# Friday, 26 July, Poster Session I

Event Center, Snowbird Center

POSTER #	Abstract #	Presenter	Title
1	57	RU-Katie Fitzgerald*, Jennifer Deitloff	Head Morphology Variation across Pennsylvanian Populations of <i>Plethodon cinereus</i>
2	299	RU-Colin Eckman*, Austin Morder, Teah Evers, Jennifer Deitloff	Assessment of the Density, Spatial Distribution and Movement Patterns of <i>Plethodon cinereus</i> (Eastern Red-backed Salamander) Using Spatial Capture-Recapture
3	510	RU-Rebecca Weber*, Alexandra Karwowska, Armand A. Cann, Joseph R. Milanovich, Leigh Anne Harden	A Collaborative Effort to Assess the Hematological Health of Augmented Blanding's Turtle ( <i>Emydoidea blandingii</i> ) Populations
4	781	RU-Andrea Aparicio Ramirez*, Karina Perez, Rory Telemeco	Temperature Preference and Performance in Crested Geckos ( <i>Correlophus ciliatus</i> )
5	574	RU-Maggie Cornwall*, Kathleen Ivey, Michael Westphal, Emily Taylor	Does Body Temperature Predict Surface Activity and Microhabitat Use in Heliothermic Lizards?
6	621	RU-Parker Gottsch*, Neil Balchan, Stephen Mackessy	Predator-prey interactions between the Desert Massasauga Rattlesnake ( <i>Sistrurus tergeminus edwardsii</i> ) and the Tiger Centipede ( <i>Scolopendra polymorpha</i> )
7	369	RU-Josiah Johnson*	Conservation assessment of the Northern Black Racer, <i>Coluber constrictor constrictor</i> , in Maine
8	357	RU-Michael Buontempo*, Matthew Lattanzio	Evidence for Ecogeographic Divergence Linked to Dorsal Coloration in the Eastern Hognose Snake
9	447	SSAR:EGS-Matthew Murdoch*, Lee Grismer, Todd Jackman, Aaron Bauer	Comparative Phylogeography of <i>Hemidactylus</i> geckos and insights into biogeographical dispersal barriers in Myanmar.
10	317	SSAR:EGS-Andrew Feltmann*, Matthew Gifford, Emily Field	Effect of selection and genetic drift on phenotypic diversification in the eastern collared lizard
11	199	SSAR:EGS-Suzana Bandeira*, Aaron Bauer, Luís Ceriaco	Integrative taxonomy of Angolan <i>Ichnotropis</i> (Squamata: Lacertidae)
12	103	SSAR:EGS-Jessica Tingle*	Correlated Evolution of Snake Body Size and Vertebral Count with Habitat and Biome
13	667	SSAR:CM-Taylor Carlson*, Elisa Cabrera-Guzmán, Stanley Fox	First Documentation of Breeding Aggregations of the Ringed Salamander, <i>Ambystoma annulatum</i> , in Oklahoma, USA
14	230	#N/A	#N/A
15	149	SSAR:CM-Nathan Byer*, Brendan Reid, M. Z. Peery	Landscape genetic and metapopulation modelling tools reveal complex effects of climate and land use change on a long-lived vertebrate
16	221	SSAR:CM-Amy Bogolin*, Dr. Abdullah Rahman, Dr. Richard Kline, Carl Franklin, Dr. Saydur Rahman, Dr. Drew Davis	Comparing Novel and Traditional Sampling Methodologies to Assess the Population Status of the Rio Grande Cooter, <i>Pseudemys gorzugi</i> .
17	392	SSAR:CM-Andrew Powers*, Tim Karels	Habitat Fragmentation and its Indirect Effects on Squamate Species Richness in Southern California
18	289	SSAR:CM-McKenzie J. Wasley*, Stephen J. Mullin	Piles of <i>Osteopilus</i> : Competition at the Larval Stage Backs Native Anurans into a Corner
19	91	#N/A	#N/A
20	322	SSAR:ENHDB-Lindy Muse*, Kenzie Pereira, Sarah Woodley, Clifford Fontenot, Brian Crother, Demetra Kandalepas	Chytrid Growth Inhibition in Two Fully Aquatic Salamanders
21	728	SSAR:ENHDB-Audrey Kelly*, Karin Pfennig	Spadefoot toad females do not avoid mating with sterile F1 hybrid males
22	511	SSAR:ENHDB-Jessica McQuigg*, Erin Overholt, Craig Williamson, Michelle Boone	Catching Some Rays: The Effect of Varying UV Radiation Exposure on an Amphibian-Disease System

\*denotes presenter

RU = Rabb Undergraduate Award

SSAR: EGS = SSAR Hutchison Student Poster Award: Evolution, Genetics, and Systematics

SSAR: CM = SSAR Victor Hutchison Student Poster Award: Conservation & Management

SSAR: ENHDB = SSAR Hutchison Student Poster Award: Ecology, Natural History, Distribution, & Behavior

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23	555	<b>SSAR:ENHDB-Cassandra Thompson*, Viorel Popescu</b>	Of Pools & Predators: How predator exposure and hydro-period length drive larval development and thermal preference
24	90	<b>SSAR:PM-Allison Litmer*, Christopher Murray</b>	Critical Thermal Tolerances of <i>Hyla chrysoscelis</i> in Relation to Season and Proximity to Water
25	265	<b>SSAR:PM-Whitney Walkowski*, William Gordon, Nicolas Bazan, Hamilton Farris</b>	Endocrine Control of Retinal Sensitivity in <i>Hyla cinerea</i>
26	784	<b>SSAR:PM-Calvin Vick*, Matthew Gifford</b>	Physiological plasticity in an ambystomatid predator-prey relationship
27	273	<b>SSAR:PM-Natasha Stepanova*, Aaron Bauer</b>	Comparative Cranial Morphology in Acontias and Other African Burrowing Skinks
28	179	<b>SH-Max Carnes-Mason*, Steven Beaupre</b>	Timber Rattlesnake Habitat Restoration: Persistent effects of habitat management efforts in the Ozarks after 10 years.
29			
30	624	#N/A	#N/A
31	258	<b>SH-Ryan Hanscom*, Stephen Dinkelacker, Aaron McCall, Adam Parlin</b>	Demographic Traits of Freshwater Turtles in a Maritime Forest Habitat
32	430	<b>SH-Eli Beal*, Adam Rosenblatt</b>	American Alligator ( <i>Alligator mississippiensis</i> ) Distribution Across an Urban Landscape
33	184	<b>SH-Amelia Weixler*</b>	Genetic Divergence within <i>Iguana iguana</i>
34	769	<b>SH-Nicholas Christodoulides*, Anna Savage</b>	Exploring immune gene expression and microbiome variation in natural populations of pathogen-tolerant and pathogen-susceptible amphibians
35	82	<b>SH-Molly Richard*, Chris Gienger</b>	Repeatability of Standard Metabolic Rate in Eastern Box Turtles, <i>Terrapene carolina carolina</i>
36	269	<b>SH-Cody Godwin*, Christopher Murray, Alejandro Grajal-Puche, Matthew Grisnik, Alexander Romer, Donald Walker</b>	Testing the Febrile Response of Snakes Inoculated with <i>Ophidiomyces ophiodiicola</i> (O.o), The Causative Agent of Snake Fungal Disease
37	453	<b>SH-Jaime Smith*, Joseph H.K. Pechmann, Robin Overstreet</b>	Can dusky gopher frogs acquire resistance to the <i>Perkinsea</i> clade parasite <i>Dermomycooides</i> sp.?
38	758	<b>SH-Mary Tucker*, Stephen Mirkin, Dean Williams</b>	Ectoparasite loads of Texas horned lizards ( <i>Phrynosoma cornutum</i> ) living in small Texas towns.
39	140	<b>SH-Michael Britton*, Maureen Donnelly</b>	Circadian rhythm of resting metabolic rate in tropical amphibians
40	261	<b>SH-Alison Webb*, Nicholas Lilly, Juliane Wood, Susannah French</b>	Behavioral and physiological response to an immune challenge in side blotched lizards, <i>Uta stansburiana</i>
41	455		
42	77	<b>SI-Alex Maile*, Matthew Davis</b>	Patterns of Biofluorescence in the Rabbitfishes (Siganidae)
43	87	<b>SI-Noah Bressman*, Jeffrey Hill, Miriam Ashley-Ross</b>	Chemoreceptive Terrestrial Orientation and Natural History of the Invasive Walking Catfish ( <i>Clarias batrachus</i> )
44	94	<b>SI-Kearstin Findley*, Henry Bart Jr., Kyle Piller</b>	Distributional Assessment of Three Imperiled Fishes in Louisiana: An Ecological Modelling Approach
45	95	<b>SI-Megan Ryba*, Kyle Piller</b>	Environmental DNA as a tool to survey the fish communities of artificial reefs in Lake Pontchartrain

\*denotes presenter

**SSAR: ENHDB = SSAR Victor Hutchison Student Poster Award: Ecology, Natural History, Distribution, & Behavior**

**SSAR: PM = SSAR Hutchison Student Poster Award: Physiology & Morphology**

**SH = ASIH Storer Herpetology**

**SI = ASIH Storer Ichthyology**

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POSTER #	Abstract #	Presenter	Title
46	97	SI-Aaron Krolow*, Kyle Piller	Assessing Diversity of Fish Communities on Artificial Reefs along the Louisiana Coast through the use of Environmental DNA (eDNA)
47	754	SI-Anna Eastis*, Micheal Sandel, Zachary Culumber	Applying Genomic Methods to Investigate the Invasive Spread of the Green Swordtail ( <i>Xiphophorus hellerii</i> )
48	96	SI-Sarah Ward*, Kyle Piller	Assessing molecular variation of the Largespot Livebearer ( <i>Poeciliopsis pleurospilus</i> ): A comparison of Pacific and Atlantic basin populations
49	119	SI-Andrew Sherman*, Kyle Piller	Resolving Taxonomic Turmoil Among Aquarium Strains and Wild-Caught Samples of Characodon ( <i>Goodeidae</i> )
50	100	SI-Jerry Kattawar III*, Kyle Piller	Comparative population genetics of two Darters ( <i>Etheostoma</i> : <i>Catonotus</i> ) in western Kentucky
51	552	SI-Nastasia Disotell*	Are neighbors pillaging nests: detecting spatial complexity of allopaternal care in the imperiled Egg-mimic Darter ( <i>Percidae</i> : <i>Etheostoma pseudovulatum</i> )
52	361	SI-Blake Mitchell*, Jennifer Main, Ginny Adams, Reid Adams	Variation in habitat use and body condition of <i>Etheostoma caeruleum</i> and <i>Etheostoma fragi</i> in the Strawberry River, Arkansas
53	786	SI-Audrey Carlos*, Amanda K. Pinion, Kevin W. Conway	Phylogeography of the Proserpine Shiner <i>Cyprinella proserpina</i> (Girard, 1856)
54	99	SI-Laurel Nave-Powers*, Kyle Piller	Testing global niche convergence of cypriniform fishes (Suborder Cyprinoidei): A geometric morphometric approach
55	774	SI-Rebecca Castro*, Amanda K. Pinion, Kevin W. Conway	The lateral line canal bearing scales of the Ghost Shiner <i>Notropis buchanani</i> (Teleostei: Cyprinidae)
56	582	SI-Amanda Pinion*, Daemin Kim, Kevin Conway	Morphological investigation of the Sand Shiner <i>Notropis stramineus</i> (Teleostei: Cyprinidae)
57	188	SI-Cory Blackwelder*, Aaron Geheber	Trophic Morphology of <i>Mayaheros urophthalmus</i> as a Function of Diet in Native and Non-native Populations
58	229	SI-Emily S. Ladin*, Larry G. Allen, Crystal D. Rogers	Developmental Ontogeny of Giant Sea Bass, <i>Stereolepis gigas</i>
59	310	SI-Kole Kubicek*, Ralf Britz, Kevin Conway	Ontogeny of the Pectoral-fin Radials in Siluroid and Loricarioid Catfishes
60	344	SI-Katherine Bemis*, James Tyler, Dahiana Arcilia	Life history, distribution, and molecular phylogenetics of the Upward-Mouth Spikefish <i>Atrophacanthus japonicus</i> (Teleostei: Tetraodontiformes: Triacanthodidae)
61	363	SI-Jacob Brumley*, Philip Lienesch	Use of Dead Mussels by Madtom Catfishes in the Green River
62	389	SI-Callie Ingram*	Estimating Elasmobranch Presence of Calabash Caye, Belize, Using Underwater Video Census
63	474	SI-Pamela Hart*, Matthew Niemiller, Jonathan Armbruster, Prosanta Chakrabarty	Population Genomics of a Cavefish Species Complex: Implications for Conservation and Aquifer Connectivity
64	561	SI-Daniella Biffi*	Developing a Sustainable Seafood Initiative: Testing Message Framing on Intentions to Avoid Shark Meat in Peru
65	608	SI-Bridget Vincent*, Adam Searles, Alexa Trujillo, Richard Paperno, Douglas Adams, Geoffrey Cook, Eric Hoffman	Determining the Relationship of Micropogonias Species in the Indian River Lagoon
66	643	SI-Jennifer Gardner*, James Orr, Luke Tornabene	Two new species of snailfish ( <i>Liparidae</i> ) from the Aleutian Islands, Alaska, and the status of <i>Temnocora</i>
67	661	SI-Julia Wallen*, Shannon O'Leary, David Portnoy	Population Structure of <i>Bagre marinus</i> in the Gulf of Mexico
68	662	SI-Aline Trejo*, Shannon O'Leary, Charles Cotton, Steve Murawski, David Portnoy	Populations structure of King Snake Eel ( <i>Ophichthus rex</i> ) throughout the Gulf of Mexico.
69	800	SI-Dominique Dawson*, Steve Rider, Michael Sandel	Investigating Ancestry and Genomic Diversity of Walleye ( <i>Sander vitreus</i> ) in the Mobile River Basin
70	501	#N/A	#N/A
71	371	C-Joshua Moyer*, Stephanie Shannon, Duncan Irschick	Feeding Kinematics and Behavior of the Sand Tiger Shark, <i>Carcharias taurus</i>
72	88	C-Rachel Skubel*, Jodie Rummer, Patricia Albano, Neil Hammerschlag	Temperature and oxygen impact on sharks' hematological and stress response indicators at capture

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SI = ASIH Storer Ichthyology

C = AES Carrier

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73	560	C-Amanda Macek*, Bryan Franks, Steven Kessel	Effects of Three Circle Hooks on Coastal Sharks Using Recreational and Commercial Fishery Techniques
74	615	C-Casey Zender*, James Gelsleichter, Nick Whitney	Evaluation of alternative plasma biomarkers as indicators of post-release mortality in blacktip sharks ( <i>Carcharhinus limbatus</i> )
75	647	C-Ken Ogborn*, Mauricio Hoyos, Elena Tamburin, Felipe Galvan, Michelle Wcisel, Sue Houghton, Hayes Baxley, Nicolette Murphy, Toby S. Daly-Engel	Genetic relatedness and connectivity in great white sharks ( <i>Carcharodon carcharias</i> ) from the Pacific Coast of Baja, Mexico
76	338	C-Matthew Larsen*, Daniel Abel, Derek Crane, Scott Parker, Bryan Keller, Dean Grubbs	Negative Allometric Growth in the Digitiform Rectal Gland Morphology: Mitigating NaCl Influx in Small Sharks.
77	129	C-Mariana Martins*, Patricia Costa, Otto Gadig, Adalto Bianchini	Contamination by Non-essential Metals in Early Life Stages of Elasmobranchs from Southeastern Brazil
78	201	C-Mitchell Rider*, Neil Hammerschlag	Determining Spatial Range and Philopatry of Acoustically Tagged South Florida Bull Sharks ( <i>Carcharhinus leucas</i> ) Using Data from Cooperative Telemetry Networks
79	339	Bryanna Wargat*, James Gelsleichter	Characterization of a Scalloped Hammerhead ( <i>Sphyrna lewini</i> ) Nursery Habitat in Portions of the Atlantic Intercoastal Waterway
80	382	Gretchen Arndt*, Beth Bowers, Stephen Kajura	Environmental preferences of a male Blacktip Shark during seasonal migration
81	490	Shannon Barry*, Toby Daly-Engel	Identifying ecological drivers of nursery habitat use for the bull shark ( <i>Carcharhinus leucas</i> ) in the Indian River Lagoon, Florida
82	765	Ashley Dawdy*, Dean Grubbs, Cheston Peterson, Bryan Keller	The Effect of Tidal and Diel Cycles on Spatial Use Patterns of Bull Sharks ( <i>Carcharhinus leucas</i> ) and Bonnetheads ( <i>Sphyrna tiburo</i> )
83	789	Amanda Schaaf*, Jim Gelsleichter	Exploring potential inshore habitat use by euryhaline elasmobranchs in a southeastern Atlantic river system utilizing fishery surveys and environmental DNA
84	525	Madeline Marens*, Dwayne Fox, Bradley Wetherbee, Amanda Southwood-Williard, Frederick Scharf	Movement and Habitat Use of Female Sand Tiger Sharks ( <i>Carcharias taurus</i> ) in North Carolina Coastal Waters
85	700	#N/A	#N/A
86			
87	266	Jill Brooks*, Kaitlyn Isaacson, Hannah Medd, Gretchen Arndt, Deborah Azevedo, Dan Tabatabai, Steven Cooke, Steven Kessel	Depth Use of Great Hammerhead Sharks ( <i>Sphyrna mokarran</i> ) Released from a Shore-based Recreational Angling Fishery in Florida, USA.
88	459	John Swenson*, Dovi Kacev, Charlotte Boyd, Michael Kinney, Kevin Feldheim, Lisa Komoroske	Next-Generation Mark-Recapture: Evaluating Close-Kin Mark-Recapture as a Tool for Abundance Estimation in Elasmobranchs
89	241	Brooke Welch*, Kim Bassos-Hull, Krystan Wilkinson	Once a Spot always a Spot? Investigating Natural Marking Stability in Recaptured Whitespotted Eagle Rays off West Coast of Florida
90	279	Amber Reichert*, Joesepp Bizzarro, David Ebert	Habitat characteristics of catshark oviposition sites and potential nursery grounds off central California
91			
92	21	Halee Larson*, James Gelsleichter	Reproductive Endocrinology of the Atlantic sharpnose shark, <i>Rhizoprionodon terraenovae</i> , off the Coast of Northern Florida
93	749	Kristin Palmrose*, Lindsay French, George Burgess, Jim Gelsleichter	Preliminary observations on reproduction of the spinner shark, <i>Carcharhinus brevipinna</i>
94	665	Morgan Arrington*, Thomas Helser, Irina Benson, Beth Matta, Christopher Gburski, Timothy Essington	Rapid age estimation of longnose skate ( <i>Raja rhina</i> ) vertebrae using near-infrared spectroscopy
95	467	Donald Faughnan*, Chip Cotton	Age and Growth of Great Lanternshark ( <i>Etmopterus princeps</i> )
96	81	#N/A	#N/A
97	138	Phillip Sternes*, Kenshu Shimada	Diversity and evolution of body forms in dogfish sharks (Elasmobranchii: Squaliformes)
98	348	Todd D. Cook*, Gerard R. Case, Bradley Van Ess, Morgan Shields, Bonney Weathers	A Paleocological and Paleobiogeographical Examination of Late Eocene Selachians from the Southern Region of the United States Atlantic coastal plain
99	334	Krystan A. Wilkinson*, Randall S. Wells, William E. Pine, III, Rena R. Borkhataria, Robert E. Hueter	When the shark bites: Evaluating predator-prey interactions between sharks and resident bottlenose dolphins ( <i>Tursiops truncatus</i> ) in Sarasota Bay, FL

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100	759	Caitlin Shea-Vantine*, Stephen M. Kajiura, Marianne E. Porter	Puncture performance of the barbs from the Atlantic stingray, <i>Hypanus sabinus</i>
101	713	Lisa Hoopes*, Alisa Newton, Christopher Fischer	Fatty Acid Profiles of White Sharks ( <i>Carcharodon carcharias</i> ) in the Western North Atlantic
102	375	Maria Sabando*, Yannis Papastamatiou, Guillaume Rieucan, Darcy Bradley, Jennifer Caselle	Reef Shark Behavioral Interactions are Habitat Specific
103	460	Brianna Cahill*, Krystan A. Wilkinson, John J. Morris, Dean A. Dougherty, Greg L. Byrd, Robert E. Hueter	Historical Changes in Patterns of Shark Presence along Florida's Central Gulf Coast
104	200	Triana Arguedas Alvarez*	An Analysis of Catch Trends of <i>Carcharhinus leucas</i> and <i>Carcharhinus acronotus</i> in the Southern Gulf of Mexico: A Preliminary Review
105	246	Ashlie McIvor*, Collin Williams, Michael Berumen	<i>Taeniura lymma</i> Population Structure in the Red Sea
106	597	Robert Bretzing*, Elizabeth Hunt, David Portnoy	Comparative Analysis of Elasmobranch Field Identification Using CO1
107	207	Shigehiro Kuraku*, Yuichiro Hara, Kazuaki Yamaguchi, Mitsutaka Kadota, Yoshinobu Uno, Osamu Nishimura, Kiyonori Nishida, Keiichi Sato, Susumu Hyodo	Molecular Evolution of Elasmobranchs through a Genomic Lens
108	534	Krista Laforest*, Emily Peele, Kara Yopak	Older and Wiser? Ontogenetic Shifts in the Brains of the Atlantic sharpnose shark, <i>Rhizoprionodon terraenovae</i> .
109	527	Alisa Newton*, Michael Hyatt, Malatos Joseph, Steven Ksepka, Stephan Bullard	Scuticociliate ( <i>Miamiensis</i> sp.) Associated Meningoencephalitis in Wild Northwest Atlantic Smooth Dogfish ( <i>Mustelus canis</i> )
110	356	Jessica Wingar*, Daniel Abel, George Boneillo, Paul Yancey	Osmoregulation and Salinity Preference in Juvenile Sandbar Sharks ( <i>Carcharhinus plumbeus</i> ) in Winyah Bay, SC
111	630	Aimee Little*, Jim Gelsleichter, Christine Bedore	Androgen Receptors in the Olfactory Epithelium of the Atlantic Stingray, <i>Hypanus sabinus</i>
112	605	Emily Williams*, Jim Gelsleichter	Total Mercury Concentrations in Egg Yolk from Sharks and Rays
113	390	Sarah Sullivan*, Jeffrey Hudgins, Jim Gelsleichter	An Evaluation of the use of Red Blood Cells as a Surrogate for Measuring Mercury Contamination in Sharks and Rays
114	437	Michaela Livingston*, Jonathan Davis, Jessica Dutton	Mercury Accumulation in Young-of-the-Year and Juvenile Bull Sharks ( <i>Carcharhinus leucas</i> )
115	585	Graceann Sparkman*, Oliver Shipley, Edward J. Brooks, Lucy Howey, Jim Gelsleichter	Mercury Concentrations in the Oceanic Whitetip Shark, <i>Carcharhinus longimanus</i> , off of Cat Island, Bahamas.
116	257	Jessica Hobbs*, Jennifer Schmidt, Jennifer McKinney, Eric Hoffmayer, Dení Ramírez-Macías, Jessica Dutton	Mercury Concentrations in Whale Sharks ( <i>Rhincodon typus</i> ) from the Gulf of Mexico and Gulf of California
117	739	Jayne Gardiner*, Alexa Baldino, Lukas Heath, Danielle Zeris, Joel Beaver, Tonya Wiley	The effects of red tide ( <i>Karenia brevis</i> ) on elasmobranchs in a southwest Florida estuary
118	768	Jim Gelsleichter*, Caila Strobel, Sarah Noonan	Preliminary observations on the uptake of microplastics in the Atlantic sharpnose shark ( <i>Rhizoprionodon terraenovae</i> ) and the Atlantic stingray ( <i>Hypanus sabinus</i> ).
119	128	Peter Klimley*, James Ketchum, Mauricio Hoyos-Padilla, Frida Lara-Lizardi	The Creation of the Revillagigedo Islands National Park
120	237	Lauren Meyer*, Madeline Green, Lachlan Fetterplace	Otlet – an online platform for sourcing biological samples
121	116	Dustin Siegel*, Cody Long	All -gnathus salamanders lack nasolacrimal ducts.
122	443	Matthew Holding*, Vivian Trevine, Oleksandr Zinenko, Jason Strickland, Rhett Rautsaw, Andrew Mason, Erich Hofmann, Michael Hogan, Christopher Parkinson, Felipe Grazziotin, Adam Summers, Sharlene Santana, Mark Davis, Darin Rokyta	Fang length evolution in vipers is predicted by furred and feathered diets
123	464	Megen Kepas*, Ted Turner, Al Savitzky	Adrenal histology among snakes with differing levels of toad consumption
124	316	Domenic D'Amore*, Jason Testin	Tooth morphology and biomechanics in Crocodylia: linking beam-theory and functional ecology.
125	302	Helen Plylar*, Alan Savitzky	Assessing the Relationship Between Eye and Pit Organ Size in Pythonid Snakes
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127	658	<b>Brittany Cornell*</b> , Chelsea Thorn, Bethany Walker, James Willet, Aaron M. Bauer, Juan Diego Daza	Variation on the Atlas- Axis Complex in Gekkota
128	766	<b>Heather Engler*</b> , Braulio Assis, Dustin Owen, Tracy Langkilde	Are Post-anal Scales a Secondary Sex Characteristic in Eastern Fence Lizards?
129	233	<b>Kentaro Okuyama*</b> , Takeshi Sasaki	Morphological Characteristics of the Vomeronasal Organ and its Associated Structures in the Japanese Grass Lizard, <i>Takydromus tachydromoides</i>
130	388	<b>Matthew Kwiatkowski*</b> , Leah Perez, Jennifer Gumm	Opsin Diversity in Anurans
131	397	<b>Bryan Juarez*</b> , Daniel Moen, Dean Adams	Does Morphology Predict Interspecific and Intraspecific Jumping Performance in Frogs?
132	797	<b>Jennifer Y. Lamb*</b> , Matthew P. Davis	Shining a New Light on Salamanders: Survey of Biofluorescence Across Caudata.
133	620	<b>Christine Wisell*</b> , Shana Geffaney, Charles Hanifin	Cause or Consequence: The Evolution of TTX-resistance in Cardiac Tissue of <i>Taricha newts</i>
134	193	<b>Keira Lopez*</b>	Characterization of Serine Proteases from Prairie Rattlesnakes ( <i>Crotalus viridis viridis</i> ) venom: potential medical applications
135	127	<b>Lindsey Martin-Krikorian*</b> , Tristan Bulice, Matthew Gifford, Lorin Neuman-Lee	Physiological tradeoffs in reproductive collared lizards
136	439	<b>Laurie Mauger*</b> , Sierra Ball, Carrie Jo Bucklin	A Population Survey and Biodiversity Assessment of Reptiles in Southern Utah

\*denotes presenter