

# Poster Session I - Friday, 8 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
1	1010	SSAR: ENHDB - <u>Brian Devlin</u> , <u>Tiffany Doan</u> , <u>Kevin Greene</u>	Differential Rates of Malarial Infection by <i>Plasmodium floridense</i> between two <i>Anolis</i> species in Central Florida
2	392	SSAR: ENHDB - <u>William Ternes</u> , <u>Matthew Lattanzio</u>	Trophic Niche Variation in a Widespread Lizard
3	265	SSAR: ENHDB - <u>Alex A Thomas</u> , <u>Peter A Zani</u>	Experimental Test of Overwinter Site Selection by Ectotherms Based on Thermal and Spatial Cues: Side-blotched Lizards Prefer Smaller Crevices over Warmer Sites
4	432	SSAR: ENHDB - <u>Kylie Krohmaly</u> , <u>Matthew Lattanzio</u>	Male mate preference and the complex social dynamics of <i>Urosaurus ornatus</i>
5	388	SSAR: ENHDB - <u>Julie Taylor</u> , <u>Matthew Lattanzio</u>	Blue Gets the Boulder, but Yellow is Bolder: Territorial Dynamics of a Color Polymorphic Lizard
6	46	SSAR: ENHDB - <u>Savannah Price</u> , <u>Diana Hews</u>	Are Blue Color Patches Used in Female Aggression in an Unusual <i>Sceloporus</i> Species with Ornamented Females?
7	134	SSAR: ENHDB - <u>Kelsey A. Marchand</u> , <u>Christopher M. Somers</u> , <u>Ray G. Poulin</u>	Life on the Northern Edge: Overwintering Ecology of the Western Painted Turtle in Regina, Saskatchewan, Canada
8	181	SSAR: ENHDB - <u>John Konvalina</u> , <u>Christopher Thigpen</u> , <u>Stanley Trauth</u>	Population Dynamics of Chelonians in an Urban Lake in Jonesboro, Craighead County, Arkansas
9	91	SSAR: ENHDB - <u>Iwo Gross</u> , <u>Yong Wang</u> , <u>Callie Schweitzer</u>	Habitat use and dispersal of neonatal Copperheads (Crotalinae; <i>Agkistrodon</i> ) in a managed southeastern forest
10	513	SSAR: ENHDB - <u>Timothy Borgardt</u>	Habitat Preference, Movement Patterns, and Behavior of the Timber Rattlesnake ( <i>Crotalus horridus</i> ) in southeastern Louisiana
11	233	SSAR: ENHDB - <u>Berlynn Heres</u> , <u>Shane Welch</u> , <u>Anne Axel</u> , <u>Thomas Pauley</u> , <u>Jayne Waldron</u>	Ambush Site Selection in Eastern Diamondback Rattlesnakes Using Vegetation Analysis and Radio Telemetry
12	871	SSAR: ENHDB - <u>Adam Gilles</u> , <u>Renae Reed</u> , <u>Ross Black</u>	Diet swap: Is trading native prey for invasive species impacting predator fitness?
13	300	SSAR: ENHDB - <u>James Erdmann</u>	This little piggy gets roast beef: the significance of toe movements during amphibian feeding
14	88	SSAR: ENHDB - <u>Milica Radanovic</u> , <u>Joseph Milanovich</u> , <u>Kyle Barrett</u> , <u>John Crawford</u>	An Ecological Trap? When Given A Choice Tadpoles Choose Nutrition Despite Toxicity
15	657	SSAR: ENHDB - <u>Audrey Wilson</u> , <u>Steve Johnson</u>	Habitat Use of Invasive Cane Toads ( <i>Rhinella marina</i> ) in Florida
16	254	SSAR: ENHDB - <u>Marissa Ganzfried</u> , <u>Brian Waldron</u> , <u>Matt Lee</u> , <u>Carl D. Anthony</u> , <u>Cari-Ann Hickerson</u>	Differential Foraging and Repeatability of Behavior Between Two Color Morphs of <i>Plethodon cinereus</i> Following Simulated Predation
17	318	SSAR: ENHDB - <u>Alexander Wendt</u> , <u>Jamie Roberts</u>	Population Genetic Structure and Dispersal of the Reticulated Flatwoods Salamanders ( <i>Ambystoma bishopi</i> ) on Eglin Air Force Base
18	1015	SSAR: ENHDB - <u>Matthew Pintar</u> , <u>William Resetarits</u>	Functionality of the spotted salamander egg mass polymorphism
19	676	SSAR: ENHDB - <u>David Savage</u> , <u>Jacob Fetterman</u> , <u>Justin Elchynski</u> , <u>Jennifer Deitloff</u>	Aggression in <i>Plethodon cinereus</i> in four Populations from Pennsylvania
20	620	SSAR: ENHDB - <u>Andrew Coleman</u> , <u>Lynnette Sievert</u>	Sound Production in the Small-mouthed Salamander ( <i>Ambystoma texanum</i> )
21	235	SSAR: ENHDB - <u>Jenell Black</u> , <u>Frank Paladino</u> , <u>Nathan Robinson</u> , <u>Pilar Santidrian Tomillo</u> , <u>Elizabeth Vélez</u>	Efficacy of drones for studying habitat use of American crocodiles ( <i>Crocodylus acutus</i> )
22	314	SSAR: ENHDB - <u>Christopher Schalk</u> , <u>Michael Cove</u>	Emergent patterns between squamate prey and their predators
23	460	SSAR: ENHDB - <u>Freya E. Rowland</u> , <u>Ricardo M. Holdo</u> , <u>Raymond D. Semlitsch</u>	Leaf Litter Subsidy Gradients Differentially Influence Pond Ecosystem Properties
24	704	SSAR: ENHDB - <u>Daniel Martin</u> , <u>Larissa Bailey</u> , <u>Cameron Aldridge</u> , <u>Robert Reed</u> , <u>Daniel Manier</u>	A Standardized Sampling Approach for Guiding Conservation of Terrestrial Reptiles
25	461	E - <del>Renae Reed, Adam Gilles, Ross Black</del>	Rage against the Anthropocene: associative learning of invasive fish in larval salamanders
26	702	SSAR: PM - <u>Cory Hillard</u> , <u>David Penning</u>	Quantitative Effects of Body Temperature on Snake Strike Performance: New Insights Into the Elastic-Recoil Hypothesis
27	896	SSAR: PM - <u>Ivan Moberly</u> , <u>Brad Moon</u>	The Interplay between Setae, Gripping Ability, and Locomotor Kinematics in an Arboreal Lizard ( <i>Furcifer Oustaleti</i> )

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

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

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POSTER #	Abstract #	Presenter	Title
28	903	SSAR: PM - <u>Jake Pruett</u> , Stephanie Campos, Helena Soini, Milos Novotny, et al	Polymorphic Male Blue-bellied Lizards ( <i>Sceloporus parvus</i> ) Exhibit Differences in Circulating Testosterone Levels and Relative Abundance of Volatile Organic Compounds
29	119	SSAR: PM - <u>Callahan Clarke</u> , Paul Hampton	Comparative Trophic Morphology of Sea Snakes in Relation to Feeding Ecology
30	698	SSAR: PM - <u>Michael Fulbright</u> , David Penning	Going Out on a Limb: Striking Constraints on a Semi-arboreal Ratsnake
31	283	SSAR: PM - <u>Sudesh Batuwita</u> , Edirisinghe	Chin and gular scale arrangement: a phylogenetic subdivision to Sri Lankan Scincidae
32	234	SSAR: PM - <u>Dawei Han</u> , Bruce Young	The Root of Audition in Snakes
33	161	SSAR: PM - <u>Jennifer Fernandez</u> , Leigh Anne Plamen, Brock Stuedter, Joseph Milanovich	Seasonal Blood Chemistry of Ornate Box Turtles in Restored Prairies of North-central Illinois
34	87	SSAR: PM - <u>Mackenzie Hlesciar</u> , C. Tristan Stanton	Analysis of evolutionary patterns and rates of sexual size dimorphism and sexual shape dimorphism in turtles
35	729	SSAR: EGS - <u>Matt Gonsnik</u> , Alexander Murray, Herman Mays	<i>Necturus</i> Phylogeny
36	1108	SSAR: EGS - <u>Alisa McBride</u> , Sarah Corey-Rivas	Metapopulation Structure of a Garter Snake Species Within the Mora River Watershed
37	454	SSAR: EGS - <u>Danielle Bradke</u> , Joseph Altobelli, Susan Munster, Amy Russell, Jennifer Moore	Are Standard Genetic Tests Effective for Detecting Bottlenecks in Long-Lived Reptiles? A Case Study of Tuatara and Eastern Massasauga Rattlesnakes
38	859	SSAR: EGS - <u>Kathryn Mercier</u> , Christopher Parkinson	Unearthing the evolutionary history of Mole Skinks
39	258	SSAR: EGS - <u>Johanna Wegener</u> , Adam Moreno, Jessica Atutubo, Jessica Pita-Aquino, Jason Kolbe	Genetic evidence of hybridization between the native green anole ( <i>Anolis carolinensis</i> ) and the invasive Cuban green anole ( <i>A. porcatius</i> )
40	391	SSAR: CM - <u>Brian Folt</u> , John Jensen, Amber Teare, David Rostal	Establishing Reference Demography for Conservation: A Case Study of <i>Macrochelys temminckii</i> in Spring Creek, Georgia
41	127	SSAR: CM - <u>Leah Jacobs</u> , Kristine Kaiser, Jeanne Robertson	Sex in the Lab: Examining Variation in Sperm Response in Divergent Populations of Red-eyed Treefrogs
42	941	SSAR: CM - <u>Dennis Felberg</u> , Joanna Burger	Anuran disease surveillance: Examining tadpoles raised <i>in situ</i> within an extinction area
43	1068	SSAR: CM - <u>Cory Goff</u> , Caitlin Gabor, Susan Walls	Are Declining Populations of the Ornate Chorus Frog, <i>Pseudacris ornata</i> , More Stressed Than Stable Populations?
44	1111	SSAR: CM - <u>Luke Linhoff</u> , Maureen Donnelly	Captive versus wild: The spatial ecology of critically endangered Wyoming toads following reintroduction
45	851	SSAR: CM - <u>Alice R. Millikin</u> , Sarah K. Woodley, Drew R. Davis, James T. Anderson	Water-borne Hormone Levels of Spotted Salamanders ( <i>Ambystoma maculatum</i> ) in Created Wetlands
46	160	SSAR: CM - <u>Alex Cameron</u> , James Watling	Can Species Distribution Models Predict Abundance?
47	32	SSAR: CM - <u>Drew Davis</u> , Cameron Siler, Jacob Kerby	Co-infection of <i>Batrachochytrium dendrobatidis</i> and Ranavirus in Amphibians from Northern Luzon, Philippines
48	637	SSAR: CM - <u>Sean Boyle</u> , Chad Chordes, Jacqueline Litzgus, David Lesbarreres	Now Where Can I Put This? Comparing Two Methods of Identifying Ideal Locations for Road-Effect Mitigation
49	83	SSAR: CM - <u>Lacy Rucker</u> , Yong Wang, Callie Schweitzer	Amphibian Use of Road Ruts as Breeding Wetlands Located in Upland Hardwood Forests
50	421	SSAR: CM - <u>Mike Iacchetta</u> , C. M. Gienger, A. Floyd Scott, Ben Beas	The Effect of Cattle on Amphibian and Reptile Communities in West Tennessee
51	478	SSAR: CM - <u>Rachel Johannsen</u> , Drew Davis, Jacob Kerby	Historic and Current Expected Distributions of Amphibian and Reptile Species in South Dakota
52	79	SI - <u>Morgan Corey</u> , Nancy Brown-Peterson, Robert Leaf, Samuel Clardy, Mark Peterson	Ovarian Development and Maturity of Southern Flounder in the North-Central Gulf of Mexico
53	467	SI - <u>Ellie Wallace</u>	Blood-Lactate Level Response to Potentially Stressful Activities Due to Physical Exertion in Three Endemic South African Small-Bodied Shysharks (Scyliorhinidae: Chondrichthyes)

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

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

SI = ASIH Storer Ichthyology

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## Acadia/Bissonet

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54	463	SI - <u>Julie Butler</u> , Anwei Gwan, Prosanta Chakrabarty, Karen Maruska	Swim Bladder Morphology Changes with Reproductive and Social Status in the Mouthbrooding African Cichlid <i>Astatotilapia burtoni</i>
55	860	SI - <u>Tyler Newburn</u> , Michael Sandel, Casey Morrow	Characterization of the Dermal Mucosal Microbiome of Red Drum ( <i>Sciaenops ocellatus</i> )
56	812	SI - <u>Alex Van Nynatten</u> , Devin Bloom, Belinda Chang, Nathan Lovejoy	Visual Evolution in Marine Derived Amazonian Fishes
57	978	SI - <u>Nathaniel Akers</u> , Thomas Lankford	Scale Morphology in the White Shark ( <i>Carcharodon carcharias</i> )
58	945	SI - <u>Ryan McKenzie</u>	Sex and Size-specific Social Dominance and Exploitation of the Gulf Black Sea Bass
59	923	SI - <u>Cheryl Theile</u> , Terry Grande	Developmental Changes in Lower Jaw Functional Morphology of North American Esocids
60	549	SI - <u>Amanda Pinion</u> , Daemin Kim, Kevin Conway	Variation in tuberculation across the range of the Sand Shiner <i>Notropis stramineus</i> (Teleostei: Cyprinidae)
61	910	SI - <u>Brooke Washburn</u> , David Eisenhour	A Northern Fish in a Southern Land: Conservation Status of Trout-Perch ( <i>Percopsis omiscomaycus</i> ) in Tygart's Creek and Lewis County, Kentucky
62	855	SI - <u>Matthew Girard</u> , Leo Smith	Carangiformes: Relationships and Anatomical Investigation
63	931	SI - <u>Diego Elias</u> , Kimberly Foster, Elyse Parker, Kyle R. Piller	Re-evaluation of the Biogeographic history of <i>Pseudoxiphophorus</i> (Poeciliidae)
64	962	SI - <u>Geoffrey Spooner</u> , Reid Adams, Lindsey Lewis	Upriver Population Characteristics of the Ohio shrimp, Macrobrachium ohione, in Arkansas
65	712	SI - <u>Sarah Gibson</u>	Three-Dimensional Fish Fossils from a Triassic Texas Pond: Novel Anatomical Insights and Systematic Placement of a New Species of Redfieldiid Rish (Osteichthyes: Actinopterygii)
66	505	SI - <u>Watcharapong Hongjamrassilp</u> , Philip Hastings	Evolution of the Unusual Gaping Display in the Sarcastic Fringehead (Blenniiformes: <i>Neoclinus blanchardi</i> )
67	419	SI - <u>Emily Olson</u> , Matthew Davis	The Evolution of Fangs in Lizardfishes and their Allies (Teleostei: Aulopiformes)
68	374	SI - <u>A.J. Turner</u> , William Ludt, Prosanta Chakrabarty	Molecular phylogeny of threadfin breems (Nemipteridae), with comments on their habitat transitions to and from coral reefs
69	397	SI - <u>Courtney A. Weyand</u> , Kyle R. Piller	Phylogeography of the Rosyside Dace ( <i>Clinostomus funduloides</i> )
70	269	SI - <u>Taylor Lee</u> , Brook Fluker	Comparison of Water and Sediment Samples for Environmental DNA Detection of Rare Freshwater Fishes: a Case Study Using the Federally Threatened Leopard Darter, <i>Percina pantherina</i>
71	271	SI - <u>Brooke Bedal</u> , Andy Mueller, Cole Spicer, Mattie Lewis, Kristoffer Wild, Mollie Cashner	mtDNA Analysis of Population Structure among Blackside Dace ( <i>Chrosomus cumberlandensis</i> ) populations
72	274	SI - <u>Kyle Dineen</u> , Brook Fluker	Genetic Structure and Diversity of Disjunct Populations of Rainbow Darters ( <i>Etheostoma caeruleum</i> ) and Southern Redbelly Dace ( <i>Chrosomus erythrogaster</i> ) Throughout the Mississippi Corridor
73	239	SI - <u>Charles Barden</u> , Peter Berendzen	Genomic Evolution in a Tetraploid Family of Fishes (Cypriniformes: Catostomidae)
74	43	SI - <u>Thaddaeus Buser</u> , Adam Summers	Body Shape vs. Osteology in the Fish Superfamily Cottoidea
75	54	SI - <u>Andrew Savage</u> , Bruce Felgenhauer	Associations between the pink wormfish, <i>Microdesmus longipinnis</i> (Weymouth), and the ghost shrimp, <i>Lepidophthalmus louisianensis</i> (Schmitt), in artificial burrows
76	18	SI - <u>Malorie Hayes</u> , Jonathan Armbruster	A new genus of minnow in West Africa and a new species from the Ogooué River Basin in Gabon (Cypriniformes: Cyprinidae)
77	435	SI - <u>Taylor Fisher</u> , Lesley Kim, Kory Evans, James Albert	Relationship Between Diet and Snout Morphology in Apterodontid Electric Fishes (Gymnotiformes) from the Amazon Basin
78	1048	SI - <u>Joshua Millwood</u> , David Neely, Casey Morrow, Michael Sandel	A Comparison of Host Genetics and Environmental Effects on the Dermal Microbiome of Banded Sculpin ( <i>Cottus carolinae</i> )
79	488	SI - <u>Stacey Virtue-Hilborn</u> , Mark Steele	Bay Pipefish Abundance, Distribution and Ecological Function in Southern California Eelgrass Beds
80	1009	SI - <u>Juan D. Bogotá Gregory</u> , Flávio T. Lima, Sandra B. Correa, Joseph C. Waddell, William G.R. Crampton	Diversity of Amazon river-floodplain fish communities: a comparison of whitewater, blackwater, and clearwater systems
81	1023	SI - <u>Luke Bower</u> , Kirk Winemiller	Global Patterns of Fish Functional Diversity and Trait Convergence along Species Richness and Environmental Gradients

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## Acadia/Bissonet

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82	218	SI - <u>Aaron Burgad</u> , Ginny Adams, Reid Adams	Historical Perspective on Darter Assemblage Structure in the Saline River, Arkansas
83	252	SI - <u>Chelsey Sherwood</u> , Ginny Adams, Reid Adams	Analysis of Historical Theses to Assess Changes in Abundance and Distribution of Cypriniformes in the Saline River, Arkansas
84	348	SI - <u>Brittany McCall</u> , Brook Fluker	Spatiotemporal Population Dynamics of the Caddo Madtom ( <i>Noturus taylori</i> )
85	387	SI - <u>Michelle Fleming</u> , Ginny Adams, Reid Adams	Historic Changes in Centrarchidae Assemblage Patterns in the Saline River, Arkansas
86	154	SI - <u>Christopher Peck</u> , Randy Singer, Christopher Mah, Bart Philip, Prosanta Chakrabarty	Examination of the Ross Ice Sea Shelf Fauna
87	151	SI - <u>Lauren Liddon</u> , Jake Schaefer	Effects of Wave Exposure on the Structure of Fish Assemblages across an Exposure Gradient
88	148	SI - <u>Glynn O'Neill</u> , Brannon Hardy, Prosanta Chakrabarty	Updating Fish Distributions Five Years After the Gulf of Mexico Oil Spill
89	75	SI - <u>Tyler Chafin</u> , Bradley Martin, Steven Mussmann, Marlis Douglas, Michael Douglas	FRAGMATIC: <i>In silico</i> locus prediction and its utility for RADseq project design and optimization
90	444	SI - <u>Kavian Dantz</u> , Jay Roper, Brooke Shipley, David Wells	Feeding Ecology of Fishes at Artificial Reefs in the Northwest Gulf of Mexico
91	976	SI - <u>Alicia Godersky</u>	Distribution of Larval Fishes in Puget Sound
92	857	SH - <u>Samantha Cordova</u> , Megan Osborne, Thomas Turner	Environmental DNA Methodology for Endemic <i>Plethodontid</i> Salamanders of New Mexico
93	401	SH - <u>Jenny Sutherland</u> , Amber Stedman, David Mifsud, Maegan Stapleton, Edward Roseman, Katherine Greenwald	Use of Landcover Data and eDNA to Determine Occupancy of the Mudpuppy ( <i>Necturus maculosus maculosus</i> ) in the St. Clair-Detroit River System
94	959	SH - <u>Melanie Partin</u>	The Effects of Traffic Noise on Energetic Costs of Calling and Physiological Stress in <i>Hyla chrysoscelis</i>
95	614	SH - <u>Noelikanto Ramamonjisoa</u> , Serge Ndriantsoa, Yosihiro Natuhara	Long Term Impact of Selective Logging on Larval and Adult Frog Communities in a Tropical Forest in Madagascar
96	131	SH - <u>Jillian McAllister</u>	Habitat Use of Columbia Spotted Frogs ( <i>Rana luteiventris</i> ) and Western Toads ( <i>Anaxyrus boreas</i> ) in the Drawdown Zone of a Hydroelectric Reservoir
97	854	SH - <u>Steven Hromada</u> , C.A.F. Howey, C.M. Gienger	The Impacts of Prescribed Burns on Reptile and Amphibian Communities in Oak/Hickory Forests
98	166	SH - <u>Kristina Chyn</u> , James Tracy, Te-En Lin, Lee Fitzgerald	Using Ecological Niche Modeling with Citizen Science Roadkill Data to Project Herpetofaunal Road Mortality Hotspots in Taiwan
99	450	SH - <u>Hannah McCurdy-Adams</u> , Jeff Hathaway, Jacqueline Litzgus	Freshwater Turtle Nest Predation Patterns in Relation to Anthropogenic Density
100	322	SH - <u>Cody Godwin</u>	Assessment of ATV Impacts on Softshell Turtle Nests
101	365	SH - <u>Donnell Gasbarrini</u> , David Lesbarrères, Anna Sheppard, Ed Morris, Jacqueline Litzgus	An Investigation into the Cause of a Mass Mortality Event of Blanding's turtles ( <i>Emydoidea blandingii</i> ) in Misery Bay Provincial Park, Ontario, Canada
102	653	<u>Justine Becker</u> , R. Brent Thomas	Male Response to Female Chemical Signals in Painted Turtles ( <i>Chrysemys picta</i> )
103	767	SH - <u>Lindsey Ramirez</u> , Paul V. Zimba	Does elevated salinity induce a physiological response in Texas diamondback terrapin ( <i>Malaclemys terrapin littoralis</i> )?
104	807	SH - <u>Shantel Swierc</u> , Kim Withers, J. Derek Hogan, Michael R.J. Forstner	Demographics, distribution, and genetic variation in the Texas diamondback terrapin ( <i>Malaclemys terrapin littoralis</i> ) within the Corpus Christi and Aransas bay systems
105	84	SH - <u>Christina Feng</u> , Michael Dreslik	Sex Differentiation in the Growth of Spotted Turtles ( <i>Clemmys guttata</i> )
106	415	SH - <u>Patrick D. Moldowan</u> , Ronald J. Brooks, Jacqueline D. Litzgus	Assessing cranial dimorphism in the Midland Painted Turtle ( <i>Chrysemys picta marginata</i> ) using a photographic questionnaire
107	493	SH - <u>Austin Ray</u> , Scott Glaberman, Pierre Moisson, Miguel Carretero, Ylenia Chiari	Estimates of Relative Preferred Temperatures in Turtles
108	263	<u>Matthew Q. Kennedy</u> , Geoffrey N. Hughes, <u>Jacqueline D. Litzgus</u>	Quantifying the success of rehabilitation in snapping turtles ( <i>Chelydra serpentina</i> ) through post-release measures of body condition and behaviour

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109	332	SH - <u>Jason Ross</u> , Michael Dreslik	Population and Community Structure of Smooth Softshell ( <i>Apalone mutica</i> ) and Spiny Softshell ( <i>Apalone spinifer</i> ) Turtles in the Kaskaskia River of Illinois
110	256	SH - <u>Rhett Rautsaw</u> , Steffany Medina, Christopher Yanick, Scott Martin, et al	Determining Usage of Wildlife Corridors by Gopher Tortoises ( <i>Gopherus polyphemus</i> )
111	924	SH - <u>Meredith Swartwout</u> , Philip Vogrinc, Joseph Alex Baecher, Chelsea Kross, John Willson	Growth and Phenotypic Plasticity of <i>Nerodia sipedon</i> in Response to Feeding Frequency and Prey Size
112	630	SH - <u>David Penning</u>	The Scaling of Bite Force and Constriction Pressure in Kingsnakes ( <i>Lampropeltis getula</i> ): Proximate Determinants and Correlated Performance
113	1058	<u>Larry Kamees</u> , Steven Beaupre	Thermal Conduction in an Ectothermic Ambush Predator
114	508	SH - <u>Andy Mueller</u> , C.M. Gienger	Thermal Ecology of Copperheads ( <i>Agkistrodon contortrix</i> )
115	319	SH - <u>McKayla Spencer</u> , C.M. Gienger	Metabolic and Thermal Responses to Feeding: Comparing a Semi-aquatic and a Terrestrial <i>Agkistrodon</i> Species
116	865	SH - <u>Jonathon Ashley</u> , Eric Nordberg, Alyssa Hoekstra, Sarah Kirkpatrick, Vincent Cobb	Home range and movement analysis of the timber rattlesnake ( <i>Crotalus horridus</i> ) in fragmented habitat in Tennessee
117	59	SH - <u>Malle Carrasco-Harris</u> , Judith Cole, Steve Reichling	The Spatial Ecology of Urban Copperheads ( <i>Agkistrodon contortrix</i> )
118	542	SH - <u>Jason Strickland</u> , Miguel Borja, Andrew Mason, Darin Rokyta, Christopher Parkinson	Convergence within a Species? Venom Evolution in Mojave Rattlesnakes
119	266	SH - <u>Casey Brewster</u>	The impact of woody vegetation density in Ozark cedar-glades on operative temperature and activity time of the Eastern Collared Lizard ( <i>Crotaphytus collaris</i> )
120	402	<u>Nickolas Moreno</u> , William Allen, Tony Gamble, Ylenia Chiari	Evolution of Color Pattern in Geckos
121	917	SH - <u>K.H. Wild</u> , B. Bedal, C.M. Gienger	External Parasites Influence Locomotor Performance of Male Eastern Fence Lizards ( <i>Sceloporus undulatus</i> )
122	993	SH - <u>Jeanne Robertson</u> , Gregory Pauly, <u>Matthew Dickson</u> , Jason Warner, et al	Coming to America II: A Genetic View of the Invasion History of the Mediterranean House Gecko ( <i>Hemidactylus turcicus</i> ) in the USA
123	1103	<u>Robert Espinoza</u> , <u>Gregory Pauly</u> , <u>Jeanne Robertson</u>	Coming to America I: The Invasion History of the Mediterranean House Gecko ( <i>Hemidactylus turcicus</i> ) in the USA
124	1114	<u>Jared White</u> , Michael Husak	New County Records and Range Expansion of the Mediterranean Gecko ( <i>Hemidactylus turcicus</i> ) in Oklahoma and Kansas
125	113	<u>Emma Hanslowe</u> , Bryan Falk, Robert Reed	Assessing Establishment Risk of Exotic Large-bodied Constrictor Snakes to the Florida Keys
126	548	<u>Matthew Metcalf</u> , Brent Jackson, Dave Ceilley, John Herman, Edwin Everham	A Preliminary Comparison of Home-Range Sizes for the Eastern Indigo Snake ( <i>Drymarchon couperi</i> ) from Disturbed vs Non-Disturbed Sites in South Florida
127	285	<u>Austin Francis, Jr.</u> , Jay Hodgson, Aaron Schrey	An Introductory Biology Laboratory on Form and Function Using Hammerhead Sharks
128	551	C - <u>Kady Lyons</u> , Aaron Carlisle, Christopher G. Lowe	Influence of maturity on mercury accumulation over ontogeny in muscle and liver of male round stingrays
129	360	<u>Theresa Gunn</u> , Christine Bedore	Environmental control of yellow stingray camouflage
130	41	<u>Leonardo Guida</u> , Terence I. Walker, Richard D. Reina	<i>Just chill &amp; survive</i> – How the Behaviour of the Gummy Shark During Longline Capture Reduces the Physiological Stress Response
131	834	C - <u>Matthew Kolmann</u> , Swara Shah, Henil Patel, Dean Grubbs, Nathan Lovejoy	Ecological consequences of alternative muscle scaling in durophagous stingrays
132	699	<u>Joseph Aaron Frumkin</u> , Kenshu Shimada	Morphological Differences in Placoid Scales among the Three Extant Species of Thresher Sharks (Lamniformes: Alopiidae) and Their Functional Implications
133	92	C - <u>Nicholas Whitney</u> , Karissa Lear, <u>Lindsay Gaskins</u> , Adrian Gleiss	The effects of temperature and swimming speed on the metabolic rate of the nurse shark ( <i>Ginglymostoma cirratum</i> , Bonaterre)
134	492	<u>Shelby Creager</u> , Leif Carlsson, Erik Noonburg, Marianne Porter	A Comparative Study on the Tensile Properties of Elasmobranch Skin

SH = ASIH Storer Herpetology

C = AES Carrier

# Poster Session I - Friday, 8 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
135	679	<u>Lydia Crawford</u> , Faith Stone, Ian Davenport	Follicle Cell Process, a shark thing?
136	543	<u>Kat Mowle</u> , Jim Gelsleichter	Characterization of the Vitellogenin Cycle in the Bonnethead Shark <i>Sphyrna tiburo</i>
137	485	<u>Chelsea Shields</u> , James Gelsleichter	Potential Associations between Gonadotropins and Reproduction in Female Stingrays
138	426	Jim Gelsleichter, <u>Morgan Eason</u>	Localization of progesterone receptors in reproductive organs of female bonnetheads ( <i>Sphyrna tiburo</i> )
139	413	<u>Bryan Keller</u> , Chip Cotton, Dean Grubbs	Reproductive biology and embryonic development in two common deep-water dogfishes ( <i>Squalus cubensis</i> and <i>S. cf. mitsukurii</i> ) from the northern Gulf of Mexico
140	869	C - <u>Melissa Nehmens</u> , Kevin Feldheim, David Ebert	What Are They Doing Down There: An Investigation of Multiple Paternity in a Deep-Sea Shark
141	799	<u>Cody Nash</u> , Jill Hendon, Toby Daly-Engel	Frequency of multiple paternity in the finetooth shark, <i>Carcharhinus isodon</i> , in the Northern Gulf of Mexico
142	434	<u>Alan Brooks</u> , Katie Vaccaro, Dean Grubbs, Toby Daly-Engel	Polyandry and Multiple Paternity in the Gulf Spurdog Shark, <i>Squalus cf. mitsukurii</i>
143	440	<u>Ariel N. Egan</u> , Toby S. Daly-Engel, J. Marcus Drymon	Multiple Paternity of the Atlantic Sharpnose Shark ( <i>Rhizoprionodon terraenovae</i> )
144	390	<u>Katherine E. Schweiss</u> , Jill M. Hendon, Nicole M. Phillips	A simplified approach to genetically sexing elasmobranchs using qualitative PCR
145	967	C - <u>Alexandra Meyer</u> , Larry G. Allen	Identification of SNP Loci in the Shovelnose Guitarfish, <i>Rhinobatos productus</i> Using Next-Generation Sequencing
146	201	<u>Dominic Swift</u> , David Portnoy	High-throughput Sequencing for Genetic Monitoring and Stock Structure Assessment of Blacktip Sharks ( <i>Carcharhinus limbatus</i> )
147	904	<u>Nicholas J. Marra</u> , Minghui Wang, Paulina Pavinski Bitar, Qi Sun, et al	Genome Sequence of the White Shark ( <i>Carcharodon carcharias</i> ): Insights into Genome Size Evolution, Life History Characters, and a Primitive Adaptive Immune System
148	596	<u>Naoki Yagishita</u> , Takahiro Kusaka, Hara Koujiro, Keisuke Furumitsu, et al	Microsatellite DNA analysis of population structure of a Japanese common skate <i>Dipturus cf. kwangtungensis</i> in Japan
149	179	<u>Nicole Enright</u> , Gavin Naylor	A Vicariance Model for Biogeography and Speciation in Elasmobranchs using Molecular Clocks
150	1102	C - <u>Matthew Jew</u> , David A. Ebert, Paul J. Clerkin, Justin A. Cordova, et al	Looking for "Lost Sharks"
151	818	C - <u>Gail Schwieterman</u> , Karissa Lear, Heather Marshall, Jack Morris, et al	Post-Release Mortality of Coastal Sharks in a Commercial Longline Fishery
152	344	<u>Elitza Germanov</u> , Andrea Marshall, I Gede Hendrawan, Neil Loneragan	Plastics on the Menu: Microplastics are Present in the Feeding Habitats of Manta Rays
153	1008	<u>Luara Falcão</u> , Matthew McDavitt, Vicente Faria	International online trade of sawfish rostra
154	573	<u>Diego Cardeñosa</u> , Andrew Fields, Stan Shea, Maxwell Marsh, et al	Shark Species Composition and Proportion in the Guangzhou Dried-Seafood Market
155	597	<u>Muhammad Moazzam</u> , Rab Nawaz, Saba Ayub	Shark in the bycatch of tuna gillnet fisheries of Pakistan: A serious threats to their vulnerable population
156	386	C - <u>Simon Dedman</u> , Rick Officer, Deirdre Brophy, Maurice Clarke, Dave Reid	Gbm.auto - a Decision Support Tool automating Boosted Regression Tree modelling of data-poor species abundance using environmental and human inputs, mapping essential habitats, and designing MSY-based MPAs considering stakeholder priorities
157	1005	<u>Emily Peele</u> , Thomas Lankford, Paul Barrington, Jennifer Wyffels	Ageing bonnethead shark ( <i>Sphyrna tiburo</i> ) pups using umbilicus morphology
158	1038	<u>Brian Moe</u> , Charles Cotton	Estimating length-at-age for the little gulper shark <i>Centrophorus cf. uyato</i> in the Gulf of Mexico: an evaluation of alternative aging techniques
159	1080	<u>Amber Reichert</u> , Lonny Lundsten, David Ebert	First North Pacific records of the pointy nosed blue chimaera, <i>Hydrolagus cf. trolli</i> (Chondrichthyes: Chimaeriformes: Chimaeridae)
160	833	<u>Steven Guides</u> , <u>Colin Waldrop</u>	Food habits of spiny dogfish ( <i>Squalus acanthias</i> ) in coastal North Carolina waters
161	133	C - <u>Brittany Finucci</u> , Carlos Bustamante, Emma Jones, Matthew Dunn	Specialized Diet of the Deep-sea Elasmobranch, the prickly dogfish ( <i>Oxynotus bruniensis</i> )

C = AES Carrier

# Poster Session I - Friday, 8 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
162	512	<u>Diana Lorena Silva-Garay</u> , <u>Ximena Vélez-Zuazo</u> , <u>John G. Ramirez</u> , <u>Aldo S. Pacheco</u>	Feeding Partitioning in an Assemblage of Demersal-Neritic Elasmobranchs in the Southeastern Pacific
163	567	<u>Katherine St. Clair</u> , <u>Tasha Metz</u> , <u>David Wells</u>	Stable isotope variability in cownose rays ( <i>Rhinoptera bonasus</i> ) within the northwestern Gulf of Mexico
164	667	<u>Mao Watanabe</u> , <u>Keisuke Furumitsu</u> , <u>Yu Umezawa</u> , <u>Naoki Yagishita</u> , <u>Atsuko Yamaguchi</u>	Stable isotope and stomach contents analyses of <i>Aetobatus narutobiei</i> to clarify its feeding ecology and foraging impact on bivalve fisheries in Ariake Bay
165	76	<u>Jeffrey Plumlee</u> , <u>David Wells</u>	Feeding ecology of three coastal sharks in the northwest Gulf of Mexico
166	619	<u>Lauren Meyer</u> , <u>Charlie Huveneers</u> , <u>Peter Nichols</u> , <u>Heidi Pethybridge</u> , <u>Barry Bruce</u> , <u>Crystal Beckman</u>	Bait, Berley and Biochemistry - Using Biochemistry to Assess the Impact of South Australia's Cage-Diving Industry on Local White Sharks <i>Carcharodon carcharias</i>
167	868	<u>Jeremy Vaudó</u> , <u>Bradley Wetherbee</u> , <u>Jessica Harvey</u> , <u>Alexandra Prebble</u> , et al	Characterization and monitoring of one of the world's most valuable ecotourism animals, the southern stingray, <i>Dasyatis americana</i> , at Stingray City, Grand Cayman
168	654	<u>Atsuko Yamaguchi</u> , <u>Kojiro Hara</u> , <u>Noriko Omori</u> , <u>Keisuke Furumitsu</u>	Two hammerhead sharks, <i>Sphyrna lewini</i> and <i>S. zygaena</i> in Ariake Bay, Japan: size and age composition, feeding habits, and migration
169	13	<u>Tamara Figueredo Martín</u> , <u>Yudisleyvis Ventura Díez</u> , <u>Yandy Rodríguez Cueto</u> , <u>Dorka Cobián Rojas</u> , et al	Distribution of Smalltooth Sawfish (Latham, 1794) In Cuban Archipelago
170	168	<b>C -</b> <u>Alexander Hansell</u> , <u>Janne Haugen</u> , <u>Sofia Gabriel</u> , <u>Kim Friedman</u> , <u>Steven Cadrin</u>	Impact of CITES Listing, Cop16, on the Scalloped Hammerhead, <i>Sphyrna lewini</i> , in Brazil
171	341	<u>Toshikazu Yano</u> , <u>Seiji Ohshimo</u> , <u>Minoru Kanaiwa</u> , <u>Tsutomu Hattori</u> , et al	Estimation of Spatial Distribution of North Pacific Spiny Dogfish <i>Squalus suckleyi</i> using Generalized Additive Models
172	50	<u>Andrés López</u> , <u>Ilana Zanella</u>	Habitat Use of Bull Sharks ( <i>Carcharhinus leucas</i> ) in Islas Murcielago, Guanacaste Conservation Area, Costa Rica
173	576	<b>C -</b> <u>Victoria Elena Vásquez</u> , <u>David A Ebert</u>	'It's Hammertime!': Uncovering the Secrets of an Iconic Shark with Citizen Science
174	49	<u>Ilana Zanella</u> , <u>Andrés López</u>	Identification and Protection of Critical Habitats for Scalloped Hammerhead Shark ( <i>Sphyrna lewini</i> ), in Golfo Dulce, Costa Rica
175	499	<b>C -</b> <u>Catarina Pien</u> , <u>David Ebert</u>	Characterization of the elasmobranch assemblage in Elkhorn Slough, CA
176	130	<u>Jonathan McKenzie</u> , <u>Hannah Medd</u>	Preliminary Investigation on the Structure and Dynamics of Near-Shore Coastal Shark Assemblages off Southeast Florida
177	761	<u>Clark Morgan</u> , <u>Jim Gelsleichter</u>	A Survey of Shark Abundance on Northeast Florida Beaches
178	511	<u>Triana Arguedas</u> , <u>Jim Gelsleichter</u>	Trends in Abundance of Sharks in Northeast Florida Estuaries
179	935	<u>Ivy Baremore</u> , <u>Rachel Graham</u> , <u>Gaby Ochoa</u> , <u>Francisco Polanco</u>	Emerging deep-water fisheries of the Mesoamerican Barrier Reef
180	1105	<u>Fredys F. Segura-Guevara</u> , <u>William Pérez-Doria</u> , <u>Charles W. Olaya-Nieto</u>	Reproductive Ecology of Moncholo <i>Hoplias malabaricus</i> in the Ciénaga de Ayapel, Colombia
181	105	<u>Kelly Hodgskins</u> , <u>Stephanie Greenleaf</u> , <u>Jonathan Hillman</u> , <u>Bruce Stallsmith</u>	Reproductive Schedule of the Silver Shiner ( <i>Notropis photogenis</i> ) in the Flint River of Alabama
182	986	<u>Fredys F. Segura-Guevara</u> , <u>William Pérez-Doria</u> , <u>Charles W. Olaya-Nieto</u>	Reproductive biology of Mojarrá amarilla <i>Caquetaia kraussii</i> in the Ciénaga de Ayapel, Sinu River System
183	1002	<u>Sarah Huber</u> , <u>Peter Konstantinidis</u> , <u>Eric Hilton</u> , <u>Deborah Steinberg</u>	Lessons Learned from Larval Fish Workshops at the Virginia Institute of Marine Science's Nunnally Ichthyology Collection
184	1037	<u>Cassandra Turinske</u> , <u>Michael Pauers</u>	Morphological Variation among Wisconsin Populations of the Orangespotted Sunfish ( <i>Lepomis humilis</i> )

C = AES Carrier

# Poster Session II - Saturday, 9 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
1	171	<u>Jeffrey Zeyl</u> , Carol Johnston	Comparative and developmental patterns of amphibious auditory function in salamanders
2	566	<u>Ananda Brito de Assis</u> , <u>Beatriz Simas Magalhães</u> , <u>Cristine Chaves Barreto</u> , <u>Catherine R. Bevier</u> , Carlos Arturo Navas	Assessing Defense Mechanisms of Frogs Against Microbial Pathogens
3	928	<u>Mary White</u> , Mark Merchant	Innate Immune System Genes of Crocodylians
4	624	<u>John Rowe</u> , Mariah Nawrot, David Clark	Thermoregulation in a North Temperate Population of Midland Painted Turtles ( <i>Chrysemys picta marginata</i> ): Temporal Patterns and Intersexual Differences
5	1066	<u>Lori Monday</u> , W.B. Cash	The Effects Of Brief Laboratory Handling On Plasma Corticosterone Concentrations in The Red-Eared Slider Turtle ( <i>Trachemys scripta elegans</i> )
6	625	<u>Stephen Drozda</u> , Jessica Hultberg, <u>John Steffen</u>	Effects of Carotenoid Access and Food Intake on Blood Reactive Oxygen Species Levels in Painted Turtles
7	1027	<u>Jill Guillette</u> , Jason Ortega, Larry Kamees, <u>Steven Beaupre</u>	Response of Leukocyte Profiles to Corticosterone Manipulation in the Prairie Rattlesnake ( <i>Crotalus viridis</i> )
8	771	<u>Caitlin Hirsh</u> , Jason Ortega, <u>Steven Beaupre</u>	Validation of the use of doubly labeled water for measuring metabolic rate in Timber Rattlesnakes ( <i>Crotalus horridus</i> )
9	687	<u>Jason Ortega</u> , <u>Steven Beaupre</u>	The Effect of Prey Type on Digestive Performance in the Western Cottonmouth ( <i>Agkistrodon piscivorus leucostoma</i> )
10	763	<u>Joseph Agugliaro</u>	Does Circadian Variation in Metabolic Rate Persist during Artificial Hibernation in Rubber Boas ( <i>Charina bottae</i> )?
11	527	<u>Jade Keehn</u> , Andrew Durso, <u>Susannah French</u> , Chris Feldman	Chronic stress response of side-blotched lizards ( <i>Uta stansburiana</i> ) at noisy California wind farms
12	952	<u>Claire Trana</u> , <u>Henry Cobb</u> , <u>Rafe Brown</u>	Identification of Unknown Tadpoles from the Philippines
13	776	<u>Nelson Rivera</u> , Brian Folt	Landscape-scale Community Assembly of Glassfrogs (Centrolenidae) in a Lowland Caribbean Wet Forest
14	649	<u>Samantha Tomczewski</u> , Gary S. Casper, <u>John D. Peterson</u>	Comparing Survey Techniques For Monitoring Wisconsin's Endangered Cricket Frog
15	1091	<u>Allison Wells</u> , Gary S. Casper, <u>John Peterson</u>	Inter-observer Detection Error in Cricket Frog Auditory Surveys
16	1019	<u>Tyler Stuck</u> , Shaojie Zhang, Yier Jin, <u>Anna Savage</u>	SmartPhrog: A Long-Term, Active Bioacoustic Monitoring Solution Using Raspberry Pi For Frog Population Monitoring
17	189	<u>Rachel Goodman</u> , Amber Wright	Survey of Ranavirus and <i>Batrachochytrium dendrobatidis</i> in Introduced Frogs in Hawaii
18	399	<u>Diane Lewis</u> , <u>Daniel Saenz</u> , Armen Nalian, <u>Matthew Kwiatkowski</u> , Alexandra Van Kley	Land Use Determines Composition of Frog Skin Microbiome and Occurrence of <i>Batrachochytrium dendrobatidis</i>
19	380	<u>Richard Lehtinen</u> , Stephanie Andrus, <u>Levi Fawcett</u> , Alex Vanko	Something Old and Something New: Factors Influencing Coloration Patterns in the Bloody Bay Poison Frog ( <i>Mannophryne olmonae</i> , Aromobatidae)
20	887	<u>Michael Andres</u> , Jennifer Frey, <u>Thomas Mann</u> , Debora Mann	The Salamanders that Didn't Make it Across the Road: Helminth Fauna of Two Salamander Species from Mississippi
21	825	<u>Phillip Bumpers</u> , <u>John Maerz</u> , <u>Amy Rosemond</u> , <u>Jonathan Benstead</u> , <u>Mick Lem</u>	Effects of Nutrient Enrichment and Stoichiometry on Larval Salamander Growth
22	1084	<u>Rita I Cáceres-Charneco</u> , <u>Jorge Ortiz-Zayas</u>	Conservation and Management of the Puerto Rican Crested Toad ( <i>Peltophryne lemur</i> ): Pond Conditions and Tadpole Growth
23	754	<u>Jessica Johnson</u> , Jarrett Johnson	Growth And Survival Of Salamanders Exposed To Different Formulations Of Glyphosate-based Herbicide
24	449	<u>Kenneth Anderson</u> , Jarrett Johnson	Growth of the Marbled Salamander ( <i>Ambystoma opacum</i> ) on substrates of varying acidity
25	708	<u>Maria Akopyan</u> , Jeanne Robertson	Characterizing Reproductive Isolation Across Clinal Populations of Red-eyed Treefrogs Using Population Genomics
26	633	<u>João Tonini</u> , Karen Beard, <u>Rodrigo Ferreira</u> , Walter Jetz, <u>R. Alexander Pyron</u>	Fully-sampled phylogenies of squamates reveal evolutionary patterns in threat status
27	393	<u>Gisela Knightstep</u> , Sarah McBride, <u>Raymond Willis</u>	Morphological Determination of Valid Subspecies of Canyon Lizard ( <i>Sceloporus merriami merriami</i> , <i>Sceloporus merriami annulatus</i> , and <i>Sceloporus merriami longipunctatus</i> ) in the Chihuahuan Desert of West Texas



# Poster Session II - Saturday, 9 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
28	997	<b>Chris Feldman, Andrew Durso, Charles Hanifin, Michael Pfrender, et al</b>	Is there more than one way to skin a newt? Convergent toxin resistance in snakes is not due to a common genetic mechanism
29	805	<b>Abby Pomento, Blair Perry, Robert Denton, H. Lisle Gibbs, Matthew Holding</b>	No Safety in the Trees: Local and Species-level Adaptation of an Arboreal Squirrel to the Venom of Sympatric Rattlesnakes
30	929	<b>Jonathan Akin</b>	Characterization of <i>Ambystoma</i> Salamander Secretions
31	1050	<b>Sarah Bolton, Ralph Saporito</b>	Dietary Alkaloid Uptake and Modification of Pumiliotoxin 251D in Dendrobatid Poison Frogs
32	987	<b>Andrew Kuhns, Ethan Kessler, Gary Glowacki</b>	Habitat use of Hatchling Blanding's Turtles, <i>Emydoidea blandingii</i>
33	963	<b>Robyn Screen, Max Lambert, Jennifer McKenzie, Greg Pauly, et al</b>	Experimental Reduction of an Invasive Slider Turtle Population Affects the Basking Distribution of a Native Turtle
34	977	<b>Brian Durkin, Kaite Anderson, Teal Richards-Dimitrie, Richard Seigel</b>	Impacts of the Depredation of Northern Map Turtle ( <i>Graptemys geographica</i> ) Nests in a Fragmented and Altered Habitat
35	800	<b>Nadege Zaghdoudi-Allan, Mark Roberts, Andrew Coleman, Fernando Manzano-Cervantes, et al</b>	Preliminary characterization of a poorly understood nesting population of the critically endangered Kemp's ridley sea turtle
36	514	<b>Katherine Rebein, Adam Parlin, Paul Schaeffer</b>	Interactions between physiology and habitat of eastern box turtles ( <i>Terrapene carolina carolina</i> )
37	525	<b>Daniela Flores, Jaymie Reneker, Daniel Warner, Fredric Janzen</b>	Intrasexual size variation in <i>Chrysemys picta</i> as a potential indicator of reproductive strategies
38	480	<b>Steven Kell, Jacqueline Litzgus, Ron Brooks, John Fryxell</b>	Nest-site fidelity, search time and nest predation in Painted Turtles ( <i>Chrysemys picta</i> )
39	1025	<b>Sean McNearney, Travis West, Jennifer Seeley</b>	Garter Snake ( <i>Thamnophis</i> spp.) Habitat Partitioning
40	693	<b>Louise McCallie</b>	Herpetofauna Distribution in an Area of High Foot Traffic
41	938	<b>Sydney Ashton-Cromwell, M. Rockwell Parker</b>	Searching for sex differences in snake skin
42	731	<b>Ciera McCoy, Craig Lind, Terence Farrell</b>	Seasonal Variation in Immune Function, Energetic Status, and Infection with Snake Fungal Disease in Free-Ranging Pigmy Rattlesnakes ( <i>Sistrurus miliarius</i> ) in Central Florida
43	786	<b>Courtney Connolly</b>	Changes in Defensive Behavior of <i>Crotalus oreganus</i> in Response to Corticosterone
44	817	<b>Curtis Hutchinson, Catherine Malone, Gordon Schuett, Warren Booth</b>	Facultative Parthenogenesis in North American pitvipers
45	972	<b>M. Rockwell Parker, Shannon A. Richard, Kara A. Rush, Helen B. Plylar, et al</b>	Chemical communication in Burmese pythons
46	745	<b>David Rostal</b>	Twenty Year Study of Habitat Characteristics, Reproduction, Home Range, Growth and Recruitment in <i>Gopherus polyphemus</i> in Southeast Georgia
47	175	<b>Brenna A. Levine, Marlis R. Douglas, Julie A. Savidge, Bjorn Lardner, et al</b>	SNP Discovery for Parentage and Kinship Analyses in the Brown Treesnake ( <i>Boiga irregularis</i> ) on Guam
48	770	<b>Brendan Pinto, Anthony Russell, Timothy Higham, Laurie Vitt, et al</b>	Population Genetic Structure of the Gecko <i>Gonatodes humeralis</i>
49	226	<b>Paula Escudero, Derek Tucker, Luciano Avila, Jack Sites, Mariana Morando</b>	Genetic Structure of a Population of <i>Liolaemus xanthoviridis</i> Inferred from Microsatellite Markers
50	312	<b>Sarah McBride, Ray Willis</b>	The Molecular Determination of Valid Subspecies of Canyon Lizards ( <i>Sceloporus merriami merriami</i> , <i>Sceloporus merriami annulatus</i> , and <i>Sceloporus merriami longipunctatus</i> ) in the Chihuahuan Desert of West Texas
51	1021	<b>Nathanael Strand, Evon Herkula</b>	Phylogeography of the Forest Hinged Tortoise, <i>Kinixys erosa</i>
52	914	<b>N. Nasif, R. Montero, G. Esteban, J. D. Daza</b>	The first record of Amphisbaenidae (Squamata, Amphisbaenia) from northwestern Argentina (Andalhuala Formation), one of the oldest from South America (Zancleano, Early Pliocene)
53	607	<b>Geneva Clark, Juan Daza, Patrick Lewis</b>	The Ear Apparatus of Subterranean Worm Lizards
54	900	<b>Landon Allen, Jennifer Deitloff</b>	Comparing population and sex differences in head shape for two populations of <i>Plethodon cinereus</i> in central Pennsylvania
55	443	<b>Brendan Reid, Ella Viola, Jenna Pantophlet, Seth Wollney, et al</b>	Reconciling taxonomy, phylogeography, and historical demography in the widely distributed painted turtle ( <i>Chrysemys picta</i> )
56	1079	<b>Mark Roberts, Jeffrey Schwenter, Michael Arendt, Charles Innis, et al</b>	Allele frequency variation across juvenile pelagic habitats in the endangered Kemp's ridley sea turtle

# Poster Session II - Saturday, 9 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
57	782	<b>Steven Hein, Joshua Banta, Kate Hertweck, Mitch Barazowski, John Placyk</b>	A Phylogenetic Reassessment of the Western Massasauga, <i>Sistrurus tergeminus</i> , and its Putative Subspecies
58	178	<b>Whitney Anthonymsamy, Marlis Douglas, Michael Douglas</b>	Phylogeography of the Western Rattlesnake Complex ( <i>Crotalus viridis</i> spp.): A Genomic Perspective
59	225	<b>Derek Filipek, Ginny Adams, Donald Shepard</b>	The Role of the Ecological Niche in Lineage Diversification of Queensnakes, <i>Regina septemvittata</i>
60	626	<b>Martin Femenias, Luciano J. Avila, Jack W. Sites, Jr., Mariana Morando</b>	On the southernmost leiosaurid lizards: phylogeographic and evolutionary patterns of <i>Leiosaurus belli</i> , <i>Diplolaemus bibronii</i> and <i>Diplolaemus darwini</i> based on the mitochondrial cytochrome b gene
61	913	<b>Jeanne M. Robertson, Rachel S. Rhymer, Maria Akopyan, Eduardo A. Sanabria, Lorena B. Quiroga, Robert E. Espinoza</b>	Life on the Rocks: Shallow Genetic Structure in a Narrowly Endemic Lizard from the Argentine Puna
62	604	<b>Cesar Aguilar, Edgar Lehr, Julianne Capito, Mikael Lundberg, et al</b>	Better late than never: Reassessment of Peruvian Tachymenini (Squamata: Serpentes) after more than half a century
63	89	<b>Eric Hsu, Kate Jackson</b>	Developing a Multi-Access Key for Identification for West and Central African Snakes
64	692	<b>Juan D. Daza, Virginia Abdala, Aaron M. Bauer</b>	Synapomorphies and symplesiomorphies in geckos from the southern cone of South America: <i>Garthia</i> and <i>Homonota</i> (Squamata: Gekkota: Phyllodactylidae) revisited
65	668	<b>Josiah Townsend, Kayla Weinfurter, Ileana Lucia Montes, Thomas Firmino, James Austin</b>	Underestimated diversity in Mesoamerican true frogs (Family Ranidae)
66	725	<b>Peter Russo, Alexander Zorrilla, Christopher Murray</b>	Cranial variation amongst independent lineages of New Guinea crocodile ( <i>Crocodylus novaeguineae</i> )
67	956	<b>Kathleen Sagarin, Christopher Sheil</b>	Heterochrony of Cranial Bones in Amniota and the Phylogenetic Placement of Turtles
68	517	<b>Joey Kennedy, Joseph Pechmann</b>	Differences in Surface Activity Behaviors in Two Terrestrial Salamanders
69	764	<b>Paul Cupp, Jr.</b>	Variability of Brooding Crevices in Green Salamanders, <i>Aneides aeneus</i>
70	453	<b>Shawna Mitchell, Joshua Ennen, Kristen Cecala, Jon Davenport, et al</b>	Pit-tag Retention and Behavioral Characteristics of <i>Desmognathus</i> in Recirculating Artificial Streams
71	789	<b>Matthew Russell, Kyle Hovey, Sarah Bolton, Ralph Saporito</b>	Investigating the Relationship Between Boldness, Coloration, and Chemical Defense in the Dendrobatid Poison Frog <i>Oophaga pumilio</i>
72	809	<b>Kristen Kohlhepp, Brian Greene</b>	Behavioral Responses by Cottonmouths ( <i>Agkistrodon piscivorus</i> ) to Olfactory and Visual Predatory Cues
73	663	<b>Jessica Hultberg, Stephen Drozda, John Steffen</b>	Sexual Dichromatism in Painted Turtles
74	612	<b>Wade Ryberg, Lee Fitzgerald, Danielle Walkup, Toby Hibbitts</b>	Behavioral trials demonstrate roads are persistent barriers to movements of the Dunes Sagebrush Lizard
75	257	<b>Josh Pierce, Craig Rudolph, Steve Reichling, Emlyn Smith, Beau Gregory</b>	The Louisiana Pine Snake Reintroduction with Comments on Monitoring Techniques
76	608	<b>Ashley LaVere, Ann Somers, Catherine Matthews</b>	A Dollar a Turtle or How Your State Can Gather Long-term, Quality Data on a Budget
77	835	<b>Amy Yackel Adams, Bjorn Lardner, Eiden Holldorf, Justine Kaseman, et al</b>	Camera Traps as a Tool in Reptile Research
78	1077	<b>Catherine Aubee</b>	Measurements Matter: The Power of Simple Data in a Conservation Context
79	1088	<b>Garrett Sisson, Willem Roosenburg, Shawn Kuchta</b>	When the Rocks are Hotter on the other side of the Fence: Use of Roadside Habitats by Reptiles and Consequences for Mitigation Structures
80	953	<b>Van Wishingrad, Anthony Barley, Robert Thomson, Amber Wright</b>	Evidence-based threat assessment: lessons from California herpetofauna
81	989	<b>Adriana Messyasz, Kirsten Monsen-Collar, MacKenzie Hall, Lisa Hazard</b>	Environmental correlates of Ranavirus disease distribution in New Jersey
82	733	<b>Alyse DeVries, Paul Bartelt</b>	Response of Eastern Tiger Salamanders to Restored Wetlands on an Agricultural Landscape in North Central Iowa: Preliminary Results
83	655	<b>William Sutton, Michael Osborne, Jeff Bailey, Thomas Pauley</b>	Landuse Impacts on Stream Salamanders in West Virginia: An Ecoregion-Wide Analysis

# Poster Session II - Saturday, 9 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
84	688	<b>Cory Adams, Daniel Saenz, Toby Hibbitts, James Childress</b>	Calling Phenology of Coastal Prairie Anurans
85	912	<b>Susan Walls, Katherine O'Donnell, William Barichivich, Joseph Reinman, et al</b>	Taking Action: Management and Recovery of Imperiled Flatwoods Salamanders at St. Marks National Wildlife Refuge, FL
86	501	<b>Allison Sacerdote-Velat, Mary Beth Manjerovic, Rachel Santymire, Lisa Raimondi</b>	Understanding the relationship among <i>Batrachochytrium dendrobatidis</i> , stress physiology and land use in amphibians in the Chicago, IL region
87	522	<b>Kacey Dananay, Michael Benard</b>	Artificial Light at Night: Tests for Direct and Indirect Effects on American Toad Growth, Development and Behavior
88	464	<b>Donna A. Glinski, W. Matthew Henderson, Robin J. Van Meter, S. Thomas Purucker</b>	Using <i>In Vitro</i> Derived Metabolic Rate Constants to Inform Amphibian Pesticide Exposure
89	916	<b>Kelcie Troutman, Renata Platenberg</b>	Call Recognition of Virgin Islands Frogs using Bioacoustic Analysis Software
90	471	<b>Michelle Boone, Samantha Rumschlag, Melissa Youngquist</b>	Evaluating the Impact of Land Use on Amphibian Presence in Human-Dominated Systems: Does Increasing Cultivation Reduce Amphibian Presence on the Landscape?
91	321	<b>Robin Van Meter, Donna Glinski, Matthew Henderson, Tom Purucker</b>	Soil organic matter content effects on dermal pesticide bioconcentration in American toads ( <i>Bufo americanus</i> )
92	665	<b>Alannah Biega, Dan Greenberg, Arne Mooers, Owen Jones, Tom Martin</b>	Assessing Amphibians held <i>Ex Situ</i> for Current and Future Conservation Concern
93	303	<b>Amanda Bennett, Dennis Murray</b>	Development of Risk Maps for Chytrid and Ranavirus Infection and Disease in Ontario, Canada
94	641	<b>Hunter Howell, Donald McKnight, Richard Seigel</b>	A Novel Method of Collecting Spotted Turtles ( <i>Clemmys guttata</i> )
95	961	<b>Kimberly Andrews, Gregory Skupien, Richard Bauer</b>	Spatial Ecology of American Alligators ( <i>Alligator mississippiensis</i> ) on a Developed Barrier Island
96	361	<b>Jacob Hutton, Kate Donlon, William Ensign</b>	The Diets of Cave Salamanders ( <i>Eurycea lucifuga</i> ) from Pigeon Mountain Examined Using Non-Lethal Gastric Lavage Techniques
97	375	<b>Tiffany Schriever</b>	Interspecific overlap in trophic niche of larval amphibians in temporary ponds
98	205	<b>Matthew Lattanzio, Donald Miles</b>	Trophic niche divergence among color morphs that exhibit alternative mating tactics
99	1016	<b>Amber Wright</b>	Competition in Novel Lizard Communities: <i>Anolis</i> vs. <i>Phelsuma</i> in Hawaii
100	487	<b>Bannon Gallaher, Steven Beaupre</b>	Factors That Affect Home Range Size in the Timber Rattlesnake, <i>Crotalus horridus horridus</i>
101	565	<b>Kortney Jaworski, Matthew Lattanzio</b>	Social and ecological consequences of sexual size dimorphism in the mountain spiny lizard ( <i>Sceloporus jarrovi</i> )
102	895	<b>Zachary Nikolakis, Melissa Miller, John Kinsella, Josh Friers, et al</b>	Novel Host-Parasite Records from Non-Native Lizards in South Florida
103	1044	<b>Julia Earl, Raymond Semlitsch</b>	High Variability in Metamorph Leg Length and Relationships to Resource Level
104	947	<b>Tim Mitchell, Erik Larson, John Iverson, Fred Janzen</b>	Patterns of hatchling mortality during hibernation of the painted turtle ( <i>Chrysemys picta</i> )
105	268	<b>Kelsey Low, Chris Phillips, Ethan Kessler, Jeanne Baker</b>	Thermal Challenges of Overwintering Eastern Box Turtles ( <i>Terrapene c. carolina</i> ) in Eastern Illinois
106	642	<b>Michael Gilbert, Michael Collyer</b>	Impacts of Habitat Fragmentation on the Trophic Morphology of a Threatened Desert Fish ( <i>Cyprinodon pecosensis</i> )
107	584	<b>Hannah Weller, Mark Westneat, Caleb McMahan</b>	Dirt-sifting Devilfish: Diversity and Convergence of Winnowing Morphologies in Geophagine Cichlids
108	196	<b>Corinthia Black, Peter Berendzen</b>	The Effect of Phylogeny on Morphological Characteristics of the Skeleton in Pleuronectiformes
109	326	<b>Pearce Cooper, David Portnoy, Sean Powers</b>	Examining Population Structure and Disruptive Selection in Morphologically Divergent Groups of Sheepshead, <i>Archosargus probatocephalus</i> : a Genomic Approach
110	1063	<b>Cyrus Sadeghian, Chad Hargrave</b>	Comparative Effects of High & Low Quality Allochthonous Input on Stream Food Webs
111	1070	<b>Braimah Boyd-Lecky, Monet Brown, Matthew Julius</b>	Are Wood Eating Catfish a Myth?
112	1056	<b>Antony Harold, Dana Warheit, Miranda Brooker, Tasneem Dossaji, Michelle D'Aguillo</b>	Ontogeny of jaw and pharyngobranchial dentition in the naked goby, <i>Gobiosoma bosc</i> (Teleostei: Gobiidae)

# Poster Session II - Saturday, 9 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
113	1113	<b>Christopher Kenaley, Alis Dicipinigaitis, Dylan Wainwright, Anna Kim, et al</b>	Mechanics of Fish Skin: Revisiting the External Tendon
114	538	<b>Brandon Ballengée, Prosanta Chakrabarty</b>	Combining Art and Science for Conservation Outreach of Ectothermic Vertebrates (Amphibians and Fishes)
115	562	<b>Emily Bradley, Jim Gelsleichter</b>	Variations in thyroid activity in Atlantic stingrays ( <i>Dasyatis sabina</i> ) with respect to reproductive cycle
116	876	<b>Racine Rangel, Darren Johnson</b>	Evaluating the effects of temperature on the metabolic rate of the Bluebanded Goby ( <i>Lythrypnus dalli</i> )
117	420	<b>Helena de Souza Brasil Barreto, Kathleen Cole, Jessica Maxfield</b>	Patterns of oogonia and spermatogonia distribution in the non-partitioned ovotestis of the Hawaiian endemic goby species, <i>Eviota epiphanes</i>
118	572	<b>Joshua Hittie</b>	Evolution of Life-History Characteristics in Gadiform Fishes
119	284	<b>David Boyd, Lawrence Page</b>	Systematics of Horseface Loaches <i>Acantopsis</i> (Teleostei: Cobitidae) with Descriptions of Three New Species
120	447	<b>William Ludt, Erica Kenworthy, Moises Bernal, Eva Salas, Prosanta Chakrabarty</b>	Seeing Spots: Speciation and Population Genetics of Tropical Eastern Pacific Surgeonfishes
121	497	<b>Erin McGrew, Carole Baldwin, Kevin W. Conway</b>	Taxonomic Revision of the western Atlantic Skilletfish <i>Gobiesox strumosus</i>
122	535	<b>Cragen King, Philip A. Hastings, Kevin W. Conway</b>	<i>Discotrema</i> or <i>Lepadichthys</i> : the phylogenetic position of <i>Lepadichthys lineatus</i> Briggs within the subfamily Diademichthyinae
123	897	<b>Daniel Stadtmayer, Mark Sabaj</b>	Taxonomic Overview of Mongolian Stone Loaches (Cypriniformes: Nemacheilidae)
124	760	<b>Amanda Cramer, Devon Donahue, Mariangeles Arce, Mark Sabaj</b>	Molecular Phylogenetic Analysis of Neotropical Catfishes in the genera <i>Ageneiosus</i> and <i>Tympanopleura</i> (Auchenipteridae)
125	939	<b>Elizabeth Hunt, Stuart Willis, Kevin Conway, David Portnoy</b>	Inferring the phylogenetic relationships within two genera of fishes: insights into the biogeography of the northern Gulf of Mexico
126	804	<b>Devon Donahue, Amanda Cramer, Mariangeles Arce, Mark Sabaj</b>	Test of Variable Morphospecies in Neotropical Swamp Eels (Synbranchidae: <i>Synbranchus</i> ) using Nucleotide Sequence Data
127	574	<b>Christian Lambarri, Hector Espinosa</b>	The genus <i>Dionda</i> in Mexican watersheds
128	208	<b>Ingrid M. Kaatz, Aaron N. Rice, Phillip S. Lobel</b>	Functional and descriptive morphological evidence for acoustic ability in fishes: a species database
129	346	<b>Phillip Harris, Do Van Tu</b>	The Freshwater Fishes of the Nam Chan River Basin, Vietnam
130	210	<b>Robert Robins, Lawrence Page, James Williams, Zachary Randall, Griffin Sheehy</b>	Freshwater Fishes of Florida
131	141	<b>Zachary Randall, Larry Page</b>	Conveying Thailand freshwater fish diversity through live fish photography
132	674	<b>Mel Warren, Brooks Burr</b>	Freshwater Fishes of North America: Update 2016
133	1033	<b>David Saenz, Kirk Winemiller</b>	Electric fishes of the amazon: preliminary field work on signaling adaptations
134	730	<b>Maxwell London, Kenshu Shimada, Michael J. Polcyn</b>	A Large Actinopterygian Bony Fish from the Upper Cretaceous Eagle Ford Group of Texas, USA
135	883	<b>Andrea M. Quattrini, Adela Roa-Varon, Randy Singer, Jason D. Chaytor, Amanda W.J. Demopoulos</b>	Mesophotic and Deep-Sea Demersal Fish Assemblages on Rugged Hardbottoms of the Greater-Lesser Antilles Transition Zone
136	476	<b>Alex Ontkos</b>	The Effect of Landscape Structure on Predatory Fish Movements in the Florida Everglades
137	893	<b>Sarah C Bornhoeft, Joel C Trexler</b>	Influence of an Experimental Sheet Flow Regime on Aquatic Food Webs of the Central Everglades
138	270	<b>Travis Richards, Tracey Sutton, David Wells</b>	A Trophic Analysis of Deep-Pelagic Assemblages in the Northern Gulf of Mexico
139	582	<b>Dovi Kacev, David Gillett, Eric Stein, Andrew Thompson</b>	Developing a robust framework for applying metabarcoding analyses to identify pelagic ichthyoplankton in the California Current
140	775	<b>Ashley Shaw, Bryan Frazier, Amanda Barker, David Portnoy, Doug Adams</b>	Diet analysis of two cryptic Hammerhead species off the Southeastern United States
141	801	<b>Caitlin Dempsey, Kimberly Richard, Lance Olson, Michelle Norden, Robert Hancoc</b>	Who's out there: Integration of stationary point counts and conservation photography to assess reef fish biodiversity

# Poster Session II - Saturday, 9 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
142	561	<b>Carmen G. Montana</b> , Craig A. Layman, Christopher Schalk	Patterns of intraspecific and interspecific variation in stoichiometry of four central North Carolina stream fishes
143	780	<b>Tracey Sutton</b> , April Cook, Kevin Boswell, Heather Bracken-Grissom, et al	Deep-Pelagic Research in the Gulf of Mexico: the DEEPEND Consortium
144	885	<b>Jacob Brumley</b> , <b>Philip Lienesch</b>	Changes to the fish assemblage of the Middle Fork of Drakes Creek in south-central Kentucky over 40 years
145	734	<b>Morgan Gilbert</b> , <b>Allison Pease</b>	Use of Habitat Fragments by Larval and Juvenile Fishes in Transitional Zones of an Aging Reservoir
146	856	<b>Bridgette Froeschke</b> , <b>John Froeschke</b>	Habitat and Environmental Influences on the Distribution Patterns of Atlantic Croaker ( <i>Micropogonias undulates</i> ) and Spot ( <i>Leiostomus xanthurus</i> ) in the Aransas-Bay Complex in Texas, USA
147	466	<b>Christopher Taylor</b>	The spatial scale of similarity and patterns of homogenization and differentiation in Chihuahuan Desert riverine fish assemblages
148	275	<b>Luz Ochoa</b> , Fabio Roxo, Alessio Datovo, Mark Sabaj, Claudio Oliveira	Molecular phylogeny and diversification process of the family Trichomycteridae (Actinopterygii: Siluriformes)
149	890	<b>Veronica Slobodian</b> , Gleidson P.S. Figueiredo, Janice Muriel-Cunha	Taxonomy of Cave and Epigeal <i>Pimelodella</i> Species (Siluriformes: Heptapteridae) from Southeastern Brazil
150	975	<b>Priscilla Silva</b> , <b>Maria Malabarba</b> , <b>Luiz Malabarba</b>	Historical DNA solving taxonomic puzzles: examples in the family Characidae (Teleostei, Characiformes)
151	968	<b>Alice Hirschmann</b> , Nelson Fagundes, <b>Luiz Malabarba</b>	Why the young smiling tetra, <i>Bryconamericus lethostigmus</i> , doesn't smile (Characiformes: Characidae)
152	1090	<b>Jesse Olsen</b> , <b>Kapil Mandrekar</b> , Donald Stewart	Synchronized Breathing and Sound Production of Juvenile Arapaima Müller, 1843 (Osteoglossiformes: Osteoglossidae)
153	1065	<b>Jennifer Beals</b> , Matthew Julius	Dietary Analysis of Algae Eating Fishes from the Xingu River, Brazil
154	427	<b>Andrew Thompson</b> , Andrew Furness, Guillermo Orti	Phylo-transcriptomics of Annual Killifishes
155	310	<b>Philip Hastings</b> , Kevin Conway	A New Species of Clingfish (Teleostei: Gobiessocidae) from Los Frailes Submarine Canyon, Gulf of California, Mexico, with Comments on Depth Distributions of Clingfishes
156	167	<b>Donald Davesne</b> , Matt Friedman	A History of Sea Serpents: Reassessing the Early Fossil Record of Lampridiformes (Teleostei: Acanthomorpha)
157	921	<b>Luke Tornabene</b> , D. Ross Robertson, James Van Tassell, Carole Baldwin	A cache of new gobies (Gobiiformes: Gobiidae) from mesophotic reefs in the Caribbean discovered by manned submersibles
158	985	<b>Rachel Manning</b> , James W. Orr	Meristic Evidence for a New Snailfish (Scorpaeniformes: Liparidae) from the Eastern North Pacific Related to <i>Careproctus melanurus</i> Gilbert 1892
159	990	<b>Katherine Sgouros</b> , Robert Jadin, Sarah Orlofske	A Revised Molecular Phylogeny Reveals Polyphyly in <i>Schistura</i> (Teleostei: Cypriniformes: Nemacheilidae)
160	588	<b>Edward Burress</b> , Fernando Alda, Prosanta Chakrabarty, Jonathan Armbruster	Phylogenomics of the Pike Cichlids (Cichliformes: Cichlidae: <i>Crenicichla</i> )
161	648	<b>Michael Ghedotti</b> , Matthew Davis	Phylogenetic relationships of three fossil <i>Fundulus</i> species and the timing of divergence within the North American topminnows (Teleostei: Fundulidae)
162	756	<b>Stephen Walsh</b> , Frank Ribeiro, Lucia Rapp Py-Daniel	Revision of the South American Catfish Genus <i>Ageneiosus</i> (Siluriformes: Auchenipteridae)
163	69	<b>Cristina Cox Fernandes</b> , Andrew Williston	Characterization of and morphological variation within the inconspicuous electric fish <i>Microsternarchus bilineatus</i> (Gymnotiformes: Hypopomidae, Microsternarchini)
164	841	<b>Lindsey James</b> , Carsten Leimer, Max Bangs, Marlis Douglas, et al	Fine-Scale Phylogeography of the Orangethroat Darter ( <i>Etheostoma spectabile</i> ) on the Ozark Plateau
165	408	<b>Jacob Egge</b> , Ashley Farre, Christian McConnell, Heidi Schutz	Cryptic Speciation in the Brown Madtom, <i>Noturus phaeus</i>
166	418	<b>Matthew White</b> , Jenna Riemenschneider, Hannah Mohr	Genetic Differentiation of the Least Brook Lamprey in the Mississippi Embayment
167	539	<b>Caleb McMahan</b> , Luke Ginger, Marcy Cage, Prosanta Chakrabarty, et al	Pleistocene to Holocene Expansion of the Black-belt cichlid in Central America, <i>Vieja maculicauda</i> (Teleostei: Cichlidae)
168	279	<b>Stuart Willis</b>	Integrating disparate genetic data reveals a complex phylogeographic history and no resolution for species delimitation in the Amazon peacock bass cichlid <i>Cichla pinima</i> (Perciformes: Cichlidae) species complex

# Poster Session II - Saturday, 9 July

## Acadia/Bissonet

POSTER #	Abstract #	Presenter	Title
169	696	<u>Olga Otero</u> , Aurélie Pinton	What fishes tell us about long term environmental change on Earth: case studies in the Tertiary of continental Africa
170	639	<u>Carmen del Rocío Pedraza Marrón</u> , Omar Domínguez Domínguez	The biogeographic and evolutionary history of the <i>Malacoctenus</i> genus (Pisces: Labrisomidae) in the Tropical Eastern Pacific
171	323	<u>Windsor Aguirre</u> , Seth Contreras, Katelyn Carlson, Alex Jagla, Lissette Arellano	Evolutionary Diversification of Body Form and the Axial Skeleton in the Gasterosteidae - The Sticklebacks and their Closest Relatives
172	291	<u>Ashley N. Marranzino</u> , Christopher P. Kenaley, John Psaltis, Ciara Dawson, Jacqueline F. Webb	Variation in the Morphology and Distribution of Photophores Among Stomiiform Genera
173	878	<u>Christopher Martínez</u> , John Denton, Jairo Arce, Melanie Stassen	Jaw Variation in the Tropically Diverse African Freshwater Family, Distichodontidae (Actinopterygii: Characiformes)
174	682	<u>Eric Hilton</u> , Ann Matarese, Duane Stevenson	Development of the Skeleton of the Northern Ronquil, <i>Ronquilus jordani</i> , With Notes on the Ontogeny and Osteology of Other Members of the Family Bathymasteridae (Zoarcoidei)
175	406	<u>Iliana Mock</u> , Kevin Conway	An overview of oral keratinization in North American cyprinids (Teleostei: Cyprinidae)
176	207	<u>Andrew Stites</u> , Joshua Sherwood, Jeremy Tiemann, Michael Dreslik	Reassessment of Iowa Darter Habitat in Illinois
177	1057	<u>Ángel L. Martínez-González</u> , Vivianis Gómez-Ospino, Glenys Tordecilla-Petro	Length-Weight Relationship of Chipe <i>Hoplosternum magdalenae</i> in the Ciénaga Grande de Llorica, Colombia
178	954	Aimee Keller, Jason Cope, Anna Elz, Peter Frey, John Harms, James Orr, et al	Life History Differences Between Rougheye ( <i>Sebastes aleutianus</i> ) and Blackspotted ( <i>S. melanostictus</i> ) Rockfishes Based on Genetic Analysis
179	781	<u>Duane Stevenson</u> , Gerald Hoff, James Orr, Ingrid Spies, Chris Rooper	Fishery Interactions with Skate Nursery Areas in the Eastern Bering Sea
180	697	<u>Dominik Halas</u> , Nathan Lovejoy, Nicholas Mandrak	Goldfish ( <i>Carassius</i> spp.) Diversity in North America: Implications for Invasive Species Management
181	1120	<u>Sierra Riccobono</u> , Manalle Al Salamah, O. Thomas Lorenz	Effects of Salinity on Growth and Behavior of Invasive Rio Grande Cichlids ( <i>Herichthys cyanoguttatus</i> ) in Louisiana
182	1089	<u>Ashleigh Nakata</u> , Leah Rice, Alexandria Martini, Abby Lindel, et al	Male Choice and pair-bond success in the monogamous, biparental convict cichlid ( <i>Amatitlania nigrofasciata</i> )
183	583	<u>Kelsey Renfro</u> , Alexandria Martini, Abbegayle Lindel	Compositional Dynamics of Striped Parrotfish Herds on a Florida Reef
184	411	<u>Kristine Crippen</u> , Kristina Morben, <u>Eriek Hansen</u>	Quantifying Proximate Body Composition in Catostomids Using Bioelectrical Impedance Analysis
185	701	<u>Kayla Anatone</u> , Barry Chernoff, Michelle Kraczkowski, Abrial Meyer, et al	The Genetic Structure of Longnose Dace, <i>Rhinichthys cataractae</i> , from two Waterfalls in Connecticut