

2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
THURSDAY, 23 JULY, Afternoon Sessions

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	ELHS/LFC Connectivity Symposium I	Fish Systematics I	Fish Genetics I	Herp Systematics	SESSION/ SYMPOSIUM
MODERATOR	R WARNER	B Collette	M OSBORNE	T JACKMAN	MODERATOR
1:30 PM		S Devaney	S Parmenter	D Mulcahy	1:30 PM
	INTRODUCTION	Phylogeny of Elopomorpha Based on Nuclear and Mitochondrial DNA	Genetic Characterization and Conservation Status of Pupfish in River Springs, California	Basal Relationships Among Squamate Reptiles Based on 25 Protein-coding Nuclear Loci	
1:45 PM	P Munday	T Fraser	A De Los Santos Camarillo - GDM	D Cundall	1:45 PM
	Ocean Temperature, Global Warming And Population Connectivity Of Tropical Marine Fishes	Molecular Phylogeny of the Cardinalfishes (Apogonidae) and non-monophyly of Apogon sensu lato	Genetic Structure of the Undescribed Mexican Native Trout: An Assessment with Microsatellite Loci	Drinking Homologies in Snakes: Another Window on Evolution	
2:00 PM	S Sogard	C Thacker	Y Chen	J Losos	2:00 PM
	Temperature Effects on Early Pelagic Stages of Warm Temperate Fish Species and Consequences for Connectivity Patterns	Phylogeny of Cardinalfishes (Teleostei: Gobiiformes: Apogonidae) and the Evolution of Visceral Bioluminescence	Genetic Relationships of Tui Chubs in Southwestern Great Basin and Management Plans for the Mohave Tui Chub	The Geography of Adaptive Radiation: Island vs. Mainland Diversification in Anolis Lizards	
2:15 PM	B Cowen, C Paris, J Hare, A Shanks	R Chabarria	J Eichelberger	D Leavitt	2:15 PM
	Connectivity and Conservation Physiology in Cold-Oceans	Preliminary Phylogeny of the Atlantic Members of the Goby Genus Bathygobius (Teleostei: Gobiidae)	Development of SNP Markers to Differentiate Pallid and Shovelnose Sturgeons and their Putative Hybrids	Phylogenetic Relationships Among Alligator Lizards of the Genus Elgaria: A Multi-locus DNA Sequence Approach	
2:30 PM	J Atema	S Willis	W Clark	E Stanley - GH	2:30 PM
	Olfactory Imprinting Can Lead to Small Scale Population Structure	Testing Species Boundaries and Phylogeny in Satan's Fishes (Cichlidae) Using Unlinked Gene Genealogies	Landscape Genetics of White Sucker (Catostomus commersoni) in North Dakota and Minnesota	A Species Level Phylogeny of the Cordylidae (Squamata) as Inferred from Five Nuclear and Three Mitochondrial Genes	
2:45 PM	R Cowen	M Davis - GI	M Osborne	T Jackman	2:45 PM
	Perception versus reality: Does larval biology differ with latitude?	Integrating Molecular Evolution and Morphology to Study the Evolutionary History of Deep Sea Character Adaptations of Lizardfishes and their Allies	Multi-locus Major Histocompatibility Complex Class IIb and Parasite Diversity in the Rio Grande Silvery Minnow	Phylogenetic Relationships of the "Gekko Group" Geckos	
3:00 PM	BREAK - Exhibit Hall				3:00 PM
SESSION/ SYMPOSIUM	ELHS/LFC Connectivity Symposium I	Fish Systematics I	Fish Genetics I	Herp Systematics	SESSION/ SYMPOSIUM
MODERATOR	J CASELLE	N Lang	Ma DOUGLAS	T GRANT	MODERATOR
3:30 PM	J Leis	D Roje - GDM	Ma Douglas	T Grant	3:30 PM
	How Do Biogeography and Study Species Influence Connectivity?	Mitigating the Effects of Substitution Saturation on Phylogeny Estimation: A Case Study from the Molecular Phylogenetics of the Flatfish Family Pleuronectidae	Range-wide Population Structure in a Long-lived Species, the Bluehead Sucker (Catostomus discobolus)	The Phylogeny of Chemical Defense in Poison Frogs (Anura: Dendrobatidae)	
3:45 PM	A Shanks	C Dillman	L Horth	D Blackburn	3:45 PM
	Pelagic Larval Duration and Dispersal Distance	Overlooked Utility of mtDNA Sequence Data in Native Trout? Insights from the Native Fauna From Mexico	Biased Sex-Ratio (and Color-Morph Ratio) is Associated with Melanic Color Pattern in Eastern Mosquitofish	A Quantitative Analysis of Ecomorphological Evolution in the Frog Genus Kaloula (Anura: Microhylidae)	
4:00 PM	R Vetter	D Halas - GI	M Juan Jorda	J Streicher	4:00 PM
	Darwin's Hammer: Larval Mortality and Population Persistence in an In-Temperate World	A Multi-Gene Phylogeny of the Notropis rubellus Species Group: Patterns of Diversification in the Central Highlands of North America	Comparative Analysis of the Life History Traits in the Scombridae Family	Phylogenetic Placement of Type and Rare Specimens Using a priori Hypotheses from Molecular Data: A Case Study using Direct-developing Frogs (Anura: Craugastoridae) from Northern Central America	
4:15 PM	I Bradbury	N Lang	Z Baldwin - GDM	M Heinicke	4:15 PM
	Ocean Temperature Determines Dispersal Potential and Adaptive Connectivity in a North Temperate Marine Fish	Molecular Systematics of the Agonostomatine Mulletts (Teleostei: Mugilidae)	Population Genetics of the Bathypelagic Shining Tube-Shoulder, Maulisia microlepis, Along the Northern Mid-Atlantic Ridge (40°N – 60°N)	Relationships, Divergence Times, and Evolutionary History of West Indian Eleutherodactylus	
4:30 PM	M Miller	D Lumbantobing - G	E Carson	D Beamer	4:30 PM
	Perspectives on the Population Connectivity of Tropical Diadromous Fishes	Phylogenetic Analysis of Rasbora (Teleostei: Cyprinidae) Based on Morphological Characters	Genetic Studies of Hatchery-Supplemented Populations of Red Drum, Sciaenops ocellatus, in Four Texas Bays	A Comprehensive, Range-wide Molecular Phylogenetic Survey of the Dusky Salamanders (Desmognathus)	
4:45 PM	R McDowall		M Johansson - GDM	K Klimus	4:45 PM
	Diadromy, Recruitment, Expatrial Dispersal and Colonisation in the Fish Faunas of Island Streams		Pheromone Receptor Gene Diversity in Rockfishes (Genus Sebastes)	The Canyon Treefrog, Hyla arenicolor, Unraveling a Cryptic Species	
5:00 PM	Discussion				5:00 PM
	GI = ASIH Stoye General Ichthyology	GDM = ASIH Stoye Genetics Development & Morphology	GH = ASIH Stoye General Herpetology		

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ROOM	Parlor ABC	Galleria North	Galleria South	Broadway I & II	ROOM
SESSION/ SYMPOSIUM	AES Gruber Award I	SSAR Seibert Ecology Award	AES Behavior & Morphology	Amphibian Pathogen Ecology	SESSION/ SYMPOSIUM
MODERATOR	S KAJIURA	R SAPORITO	M HEUPEL	D OLSON	MODERATOR
1:30 PM	J Vaudo	L Isaac	M Heupel		1:30 PM
	Foraging Ecology of a Nearshore Australian Batoid Community Inferred from Stable Isotopic Analysis	Exploring Relationships between Garter Snake Color Pattern and Behavior: A Comparison of Phenotypically Variable Populations of Wandering Garter Snake,	Preliminary Analysis of Grey Reef Shark Movements on the Great Barrier Reef		
1:45 PM	E Brooks	T Hagey	J Franks	B Metts	1:45 PM
	Seasonal Abundance, Demographics and Habitat Use of the Caribbean Reef Shark (<i>Carcharhinus perezii</i>) in the North East Exuma Sound, The Bahamas.	Cruise Foraging of Invasive Chameleon (<i>Chamaeleo jacksonii xantholophus</i>) in Hawai'i	Diel Movements of a Scalloped Hammerhead Shark (<i>Sphyrna lewini</i>) in the Northern Gulf of Mexico as Determined by High-Rate Pop-Up Satellite Archival Tagging	Effects Of Coal Combustion Wastes On Larval Amphibians	
2:00 PM	L Howey	D Paoletti	N Whitney	D Olson	2:00 PM
	Comparative Habitat Utilization of the Blue Shark (<i>Prionace glauca</i>) and Shortfin Mako (<i>Isurus oxyrinchus</i>)	Recognition of an Introduced Predator by Foothill Yellow-legged Frog Tadpoles	Biologging Love: Identifying Shark Mating Behavior Using a Three-dimensional Acceleration Data Logger	Amphibian Chytrid Fungus: Global Patterns	
2:15 PM	A Maljkovic	K Landolt	J Gardiner	M Venesky	2:15 PM
	Hey, Where's My Dinner Gone? Fishing and the Trophic Consequences for Caribbean Reef Sharks	Predator Presence and the Facultatively Paedomorphic Mole Salamander, <i>Ambystoma talpoideum</i>	Odor Orientation Behavior in Sharks	Pathogenicity of <i>Batrachochytrium dendrobatidis</i> Larval <i>Ambystomatid</i> Salamanders	
2:30 PM	K Jirik	M Ryan	P Klimley	B Rothermel	2:30 PM
	Influence of Temperature on the Habitat Use and Movement Patterns of Round Stingrays in a Southern California Estuary	Ecological Impacts of Tiger Salamander Hybridization: Invasive Genotypes Impact Native Amphibians	Hotspots within Hotspots? Aggregations of Pelagic Fishes at Southeastern Corner of Wolf Island, Galapagos	Disease Dynamics of Pond-breeding Amphibians at a Blue Ridge Mountains Site in Georgia, USA	
2:45 PM	T Farrugia	G Hopkins	C Meyer	E Muths	2:45 PM
	Testing a New Long-term Fine-scale Positional System for Tracking Multiple Fish Simultaneously	Anti-Predator Granular Gland Skin Secretions of the Long-toed Salamander (<i>Ambystoma macrodactylum</i>) in its Northern Range.	First Use of Mobile Peer-to-Peer Network (MP2P) Technology on a Marine Animal	Survival with Disease: Toad Populations in the Rocky Mountains	
3:00 PM	BREAK - Exhibit Hall				3:00 PM
SESSION/ SYMPOSIUM	AES Gruber Award I	SSAR Seibert Ecology Award	AES Behavior & Morphology	Amphibian Pathogen Ecology	SESSION/ SYMPOSIUM
MODERATOR	S KAJIURA	H MUSHINSKY	M HEUPEL	M GRAY	MODERATOR
3:30 PM	S Kessel	P Wheatley	E Hoffmayer	M Gray	3:30 PM
	Movements and Migrations of the Jupiter Lemon Sharks (<i>Negaprion brevirostris</i>)	Estimating Long-term Diets of Alligators from Rockefeller Wildlife Refuge Using Stable Isotope Analysis	Habitat Preferences and Movement Patterns of Dusky (<i>Carcharhinus obscurus</i>) and Silky (<i>Carcharhinus falciformis</i>) Sharks in the Northern Gulf of Mexico: Preliminary Results	Ranaviruses in Southern Appalachian Salamanders	
3:45 PM	K Stump	J Bauder	D Fox	J Hoverman	3:45 PM
	Applying Individual-Based Modeling Techniques to Address Potential Impacts of Essential Habitat Loss in a Lemon Shark Nursery	Movements of Prairie Rattlesnakes in a Mountainous Landscape in Central Idaho	Coastal Movements of Sand Tiger Sharks (<i>Carcharias taurus</i>) in the Northwest Atlantic as Determined by Acoustic and Satellite Telemetry	Anuran susceptibilities to the emerging amphibian pathogen Ranavirus	
4:00 PM	D Burkholder	K Mougey	T Guttridge	D Bradford	4:00 PM
	Does Tiger Shark (<i>Galeocerdo cuvier</i>) Predation Risk Influence Habitat Use of Green Sea Turtles (<i>Chelonia mydas</i>) at Multiple Spatial Scales?	Radio Transmitter Weight: Impacts on Home Range, Vertical Habitat Use, Body Condition, and Jumping Ability in Male Crested Anoles	Refuging and CANCELLED Behavior of Free-ranging Juvenile Lemon Sharks, <i>Negaprion brevirostris</i> , in a Tropical Lagoon	Airborne Pesticides as an Unlikely Cause for Population Declines of Alpine Frogs in the Sierra Nevada, California	
4:15 PM	W Smith	C Friesen	M Soares	D Miller	4:15 PM
	Distinguishing Natal Origins from Vertebral Chemical Composition: The Utility of Trace Elements as Natural Markers in Elasmobranch Populations	Sperm Precedence in a Snake: <i>Thamnophis sirtalis parietalis</i>	Morphological and Evolutionary Patterns of the Spiracularis Muscle in Batoids (Chondrichthyes)	Ominous Tadpoles: American Bullfrogs are Suitable Hosts of <i>Escherichia coli</i> O157:H7	
4:30 PM	J Maurer	S Parsons	D Figueroa	F Brem	4:30 PM
	Life History Aspects of Two Bering Sea Skate Species, <i>Bathyraja lindbergi</i> and <i>B. maculata</i>	CANCELLED Landscape Genetics of Central Basin Rattlesnakes, <i>Crotalus oreganus</i> , in the Pacific Northwest National Laboratory	Teeth of Skates in the Southwest Atlantic	Variation in <i>Batrachochytrium dendrobatidis</i> Zoospore Production Rate and Thalli Morphology Between a United States and Panamanian isolate	
4:45 PM		J Willson		Discussion	4:45 PM
		Trap-happiness, Temporary Emigration and Other Factors Affecting Detectability and Population Estimation in Aquatic Snakes			
5:00 PM		R Hill			5:00 PM
		Habitat Restoration Influence on Amphibian Community Structure, Willamette Mission State Park, Oregon			

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FRIDAY, 24 JULY, Morning Sessions

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	Catfish Symposium	AES Functional Morphology Symposium	Fish Ecology I	Storm Symposium	SESSION/ SYMPOSIUM
MODERATOR	J LUNDBERG	C WILGA	B PUSEY	J BEATTY	MODERATOR
8:00 AM	L Page			E Brodie	8:00 AM
8:15 AM	C Ferraris		G Guillen	Introduction: Robert M. Storm Symposium	8:15 AM
8:30 AM	Patterns of Discovery of Siluriformes During the All Catfish Species Inventory	Introduction	Freshwater Fish as Possible Sources of Indicator Bacteria in Urban Warmwater Coastal Streams		8:30 AM
8:45 AM		J Sullivan	J Ramsay	M Brady	R Nussbaum
9:00 AM	The rag-gene Catfish Tree and the "Big Bang" Theory of Siluroid Global Diversification	Hyoid Anatomy and Hypobranchial Muscle Function During Feeding in White-Spotted Bamboo Sharks	Impact of a Non-native Parasitic Nematode on American Eels (<i>Anguilla rostrata</i>) in Delaware Waters	Post-hatching Maternal Care in Caecilians: Maternal Dermatophagy in <i>Boulengerula taitanus</i> of Eastern Equatorial Africa	9:00 AM
9:15 AM		M Hardman	C Wilga		S Welsh
9:30 AM	BREAK - Exhibit Hall				9:30 AM
SESSION/ SYMPOSIUM	Catfish Symposium	AES Functional Morphology Symposium	Fish Ecology I	Storm Symposium	SESSION/ SYMPOSIUM
MODERATOR	L PAGE	M PORTER	L WILLIAMS	A BLAUSTEIN	MODERATOR
10:00 AM	J Ambruster	D Huber	L Williams	C Feldman	10:00 AM
10:15 AM	Loricarioid Catfishes: Species Diversity and Phylogeny	Structural Mechanics of Primitive and Derived Shark Teeth and Jaws	The Relationship Between Fish Assemblages, Watershed Form and Function, and Local Habitat in Highly Disturbed Headwater Streams	Evolutionary Genetics of Tetrodotoxin (TTX) Resistance in Snakes	10:15 AM
10:30 AM			M Sabaj Perez		T Ferrara
10:45 AM	Doradidae: In Complete Classification	Three Dimensional Computer Analysis of Jaw Mechanics in Great White and Sandtiger Sharks	The Effects of Herbivory by <i>Pterygoplichthys disjunctivus</i> on the Ecology of a Freshwater Spring	Of Channels and Coevolution: Tetrodotoxin (TTX) Toxicity in the Salamandridae	10:45 AM
11:00 AM		J Lundberg	M Dean		J Freedman - EE
11:15 AM	South American Pimelodoid and Pimelodid Catfishes: Species Diversity and Phylogeny	Functional Adaptations of the Elongated Rostrum of Pristid Sawfish	Phenotypic Plasticity as the Result of Temporal and Spatial Heterogeneity in Predation Pressure	The Circular Tail-straddling Walk of the Clouded Salamander, <i>Aneides ferreus</i> : A Deviation from the Highly Conserved Linear Tail-straddling Walk of the Plethodontidae	11:15 AM
11:30 AM		J Friel	S Kajiura		E Trajano
11:45 AM	Conflicting Phylogenies for Mochokid Catfishes: A rag-gene to Morphological Riches Story	Evolution and Function of the Hammerhead Shark Cephalofoil 2: Functional Implications of Sensory Receptor Distribution	Ecological Data for Brazilian Subterranean Catfishes, the Case of <i>Glaphyropoma spinosum</i> (Siluriformes: Trichomycteridae: Copinodontinae)	Isolating Contact Zones and Identifying Populations Between the Closely Related Species the Del Norte (<i>Plethodon elongatus</i>) and Siskiyou Mountains (<i>P. stormi</i>) Salamanders.	11:45 AM
12:00 PM		LUNCH	LUNCH		LUNCH
		G = AES Gruber Award	EE = ASIH Stoye Ecology & Ethology		

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SESSION/ SYMPOSIUM	AES Conservation & Management I/ Age & Growth	SSAR Seibert - Physiology Award	ELHS/LFC Connectivity Symposium II	Herp Reproduction & Behavior	SESSION/ SYMPOSIUM
MODERATOR	M SHIVJI	E BRITT	J LEIS	K HARE	MODERATOR
8:00 AM	M Shivji	G Bury	J Hare	K Hare	8:00 AM
	Heavy Metals in Market-Destined, Dried Shark Fins	Physiological Response of Larval Tailed Frogs, <i>Ascaphus truei</i> , to an Ecologically Relevant Thermal Stress	Population Connectivity and Temperate Nursery Habitats: Are Estuaries and Seagrasses So Special?	Changing Environmental Temperatures vs. Changing Weather and Whether it Matters for Viviparous Lizards	
8:15 AM	C Simpfendorfer	S Havens	G Jones	G Marvin	8:15 AM
	Shark Catches in the Inshore Waters of the Great Barrier Reef World Heritage Area	Small Frog, Big World: The Developmental Patterns of a Miniature Species, <i>Acris blanchardi</i> and their Implications	Dispersal of Coral Reef Fish Larvae: Scales of Self-recruitment and Connectivity	Sexual and Reproductive Ecology of the Cumberland Plateau Wood Frog (<i>Salamander</i> , <i>Plethodon kentucki</i>)	
8:30 AM	F Hazin	V Arch	C Paris	J Henningsen - PPE	8:30 AM
	By-catch of Crocodile Shark, <i>Pseudocarcharias kamoharui</i> , in the Tuna Pelagic Longline Fishery in the Southwestern Atlantic Ocean: Abundance, Distribution, Mortality and Reproductive Parameters	An Old World Frog Communicates in Pure Ultrasound	In-situ Response of Pelagic Coral Reef Fish Larvae to Reef Odor Conference Workshop: Temperate-tropical Differences in Connectivity – Real and Perceived	Does Testosterone Mediate Seasonal Changes in Signal Size And Performance Capacity? A Test With Two Anoles	
8:45 AM	C Ward-Paige	M Haines	S Swearer	S Weiss	8:45 AM
	Monitoring Sharks: Evaluating and Correcting for Bias in Underwater Visual Surveys	The Effect of Tail Length on Swimming Performance in the Dusky Salamander (<i>Desmognathus fuscus</i>): An Experimental Manipulation	Does Landscape Context Influence the Magnitude of Connectivity in Marine Metapopulations?	Chemical Cues Indicate Familiarity and Body Size in Striped Plateau Lizards	
9:00 AM	S Larson	N Singh	I Nagelkerken	E Vaccaro - EE	9:00 AM
	Seattle Aquarium's Sixgill Shark (<i>Hexanchus griseus</i>) Conservation Ecology Project	Going Green Takes Guts: Comparative Gross Morphology of Lizard Digestive Tracts as a Function of Diet	Intermediate Habitat Use by Post-Settlement Tropical Coastal Fishes	Pheromone Signaling System Modulates Female Receptivity in a Plethodontid Salamander	
9:15 AM	K Weng	K Eisenreich	J Caselle	S Fregoso	9:15 AM
	Juvenile White Shark Research at the Monterey Bay Aquarium	Assessment of Developmental, Behavioral and Physiological Endpoints in the Common Snapping Turtle and Red-eared Slider in Response to Polybrominated Diphenyl Ethers, a Flame Retardant, Following Embryonic and Dietary Exposure	Tropical vs. Temperate Differences in Dispersal: An MPA Perspective	Timing of Calcium Mobilization in a Predominantly Lecithotrophic Viviparous Snake, <i>Virginia striatula</i>	
9:30 AM	BREAK - Exhibit Hall				9:30 AM
SESSION / SYMPOSIUM	AES Conservation & Management I/ Age & Growth	SSAR Seibert - Systematics & Evolution Award	ELHS/LFC Connectivity	Herp Reproduction & Behavior	SESSION / SYMPOSIUM
MODERATOR	N DULVY	B CROTHER	R WARNER	M THOMPSON	MODERATOR
10:00 AM	A Yamaguchi	D McLeod		C Lind - PPE	10:00 AM
	Elasmobranch Fauna in Ariake Bay, Japan	Of Least Concern? Cryptic diversity in the <i>Limnodynastes kuhlii</i> complex	Discussion	The Reproductive Cycle of the Northern Pacific Rattlesnake, <i>Crotalus o. oregonus</i> , in Central California: A Description of Hormones, Behavior, and Anatomy.	
10:15 AM	G Kume	G Wogan	J Shima	C Chim	10:15 AM
	Life History Characteristics of the Fanray Platyrhina <i>sinensis</i> in Japan	Testing Refugial Hypotheses and Ancestral Range Changes in the <i>Fejervarya limnocharis</i> Species Complex (Anura: Dicroglossidae)	Demographic Connectivity in a Temperate Reef Fish Metapopulation: The Critical Role of the Dispersal Matrix	Reproduction in a Female Population of the Dog-faced Water Snake <i>Cerberus rynchops</i> (Homalopsidae) from the Sungei Buloh Wetland Reserve, Singapore	
10:30 AM	I Baremore	T Jezkova	S Holt	X Glaudas	10:30 AM
	Propagating Measurement Error through the Calculations of Parameter Estimates	Does Climatic Change Promote Niche Evolution? A Case Study of the Desert Horned Lizard (<i>Phrynosoma platyrhinos</i>)	Effects of Re-Opening a Tidal Inlet on Fish and Crustacean Recruitment into the Laguna Madre, Texas	Timing of Reproduction of a Cold Desert Viperid Snake from North America, the Great Basin Rattlesnake (<i>Crotalus lutosus</i>)	
10:45 AM	N Dulvy	J Grismer	J Hyde	J Massie	10:45 AM
	I Have Aged Some Sharks and Fitted a Growth Curve – Now What Do I Do?	Asexuality on the Beach: Phylogeny, Biogeography and the Origin of Parthenogenesis in <i>Leiopis</i>	Examination of Population Connectivity in Sardine (<i>Sardinops sagax caeruleus</i>) in the North East Pacific using Microsatellite Markers	Reproductive Effort of the Common Garter Snake (<i>Thamnophis sirtalis</i>) in South Dakota	
11:00 AM		P Wood	L Guan - SR	M Thompson	11:00 AM
		Systematics of the Genus <i>Acanthosaura</i> Gray 1931 (Squamata: Agamidae) Inferred from Mitochondrial and Nuclear Genes	Quantifying Mesoscale Patterns of Spatiotemporal Variability in the Ichthyoplankton Community of the Strait of Georgia	Uterine Angiogenesis in the Australian Skinks <i>Ctenotus taeniolatus</i> and <i>Saiphos equalis</i>	
11:15 AM		P Oliver	G Cook - SR	J Moore	11:15 AM
		Severe Underestimation of Specific and Phylogenetic Diversity in the Australian Gecko Fauna	Population Connectivity of a Temperate Rocky Reef Pomacentrid: How do Temperate Damsels Compare?	Love on the Rocks: Seasonal Monogamy, Multiple Paternity, and Large-Male Advantage in Tuatara	
11:30 AM		A Peralta-Garcia	P Neubauer - SR	J Stewart	11:30 AM
		Historical Demography and Lineage Diversification of <i>Urosaurus ornatus</i>	Sources and Patterns of Variation in Natal Otolith Trace Element Signatures: Experimental Insights and Statistical Considerations	Consequences of Interpopulational Variation in Oviductal Egg Retention to Embryonic Calcium Nutrition	
11:45 AM		J Oaks		B Fry	11:45 AM
		Objective Partition Choice and the Phylogenetic Systematics and Biogeography of the True Crocodiles		A Central Role for Venom in Predation by <i>Varanus komodoensis</i> (Komodo Dragon) and the extinct giant <i>Varanus</i> (<i>Megalania</i>) <i>prisca</i>	
12:00 PM	LUNCH	H Alamillo	LUNCH	LUNCH	12:00 PM
	EE = ASIH Stoye Ecology & Ethology	Snake Diversification: Was the Miocene the Age of Snakes?	SR = ELHS/LFC Sally Richardson Award	PPE = ASIH Stoye Physiology & Physiological Ecology	

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MODERATOR	R VARI & J FRIEL	L FERRY-GRAHAM	T DOAN	R MASON	MODERATOR
1:30 PM	W Dahdul	T Tricas	T Doan	D Clayton	1:30 PM
	Systematic Revision of the South American Catfishes of the Subgenus <i>Megalonema</i> Eigenmann, 1912 (Siluriformes: Pimelodidae)	Heads-up Display of the Shark Electrosensory Array	Is Rock Selection by Andean Proctoporus Lizards Adaptive?	A Conservation Strategy for the Siskiyou Mountains Salamander, <i>Plethodon stormi</i>	
1:45 PM	D Adriaens	K Yopak	B Brattstrom		1:45 PM
	Speciose and Special: Trichomycterid Catfishes and their Trophic Morphology	Defying Evolutionary Expectations: Analysis of the Brain of the Whale Shark, <i>Rhincodon typus</i> , using Magnetic Resonance Imaging	Seasonal and Microhabitat Partitioning in an Australian Skink Community	R Nauman	
2:00 PM		L Macesic	R Schaefer	2:00 PM	
	Diversity and Evolution of Vampire Catfishes: a Taxonomic Review and Phylogenetic Analysis of Subfamily Vandelliinae (Siluriformes, Trichomycteridae)	Functional Morphology of Pelvic Fin Locomotion in Batoids	Relationships between Green Anole (<i>Anolis carolinensis</i>) Abundance and Shrub Density, Structure, and Species Composition in Open Pine Forests	Conservation of the <i>Plethodon stormi</i> complex: Management in a Changing Climate	
2:15 PM		M DePinna	M Porter		2:15 PM
	The Role of the Caudal Fin in the Common Thresher Shark, It's Not Just for Swimming	Non-linear Viscoelasticity of Cartilaginous Vertebral Columns during Bending	The Effects of Temperature and Body Size on Winter Survival of Side-blotched Lizards, <i>Uta stansburiana</i> : Results from the Laboratory, Semi-natural Enclosures, and a Natural Population from Eastern Oregon	The Timeline for Male Emergence from a Well-studied Hibernaculum: Optimal Patterns for Emergence and an Experimental Test	
2:30 PM		D Bernal	J Barron		2:30 PM
	J Baskin	D Bernal	Population Ecology of the Short-horned Lizard, <i>Phrynosoma hernandesi</i> : Results from Five Summers of Fieldwork in Southern Montana	C Searle	
2:45 PM		Adaptations for Continuous Swimming: Functional Morphology of the Locomotor Muscles in Thresher Sharks	Fire History and Florida Sand Skink (<i>Plestiodon reynoldsi</i>) Population Abundance.		2:45 PM
	Review of the Psammophilic Trichomycterid Catfishes-Sarcoglanidine/Glanapterygine Clade	N Wegner	A Harrison - GH	Effects of UV-B Radiation and Pathogens on Amphibians in the Pacific Northwest	
3:00 PM	S Schaefer				3:00 PM
	Andean Astroblepid Catfishes: Pattern and Scale of Species Diversity	Adaptations for Fast, Continuous Swimming: Functional Morphology of the Gills in the Shortfin Mako, <i>Isurus paucus</i>	Niche Conservatism and Convergence in Anolis Lizards and Eleutherodactylus Frogs of Puerto Rico and Jamaica	Resources and Energetics Determined Dinosaur Maximal Size	
3:15 PM	P Unmack	L Ferry-Graham	J Deitloff		3:15 PM
	Phylogeny and Species Boundaries within the Catfish Family Plotosidae	Ventilation in Chondrichthyans: A Decade of Research Reveals New Models of Aquatic Vertebrate Respiration	Understanding Biodiversity of Ground Anoles in Costa Rica	B McNabb	
3:30 PM	R Vari		S Poe		3:30 PM
	The Neotropical Whale Catfishes: Unknown Diversity and Consequences of Phylogenetic Studies		Ancient Colonization Predicts Recent Naturalization in Anolis Lizards	Resources and Energetics Determined Dinosaur Maximal Size	
3:45 PM	A Thomson - GI				3:45 PM
	Taxonomy of the <i>Amphilius jacksonii</i> Complex (Teleostei: Amphiliidae).			POSTER SESSION I Exhibit Hall	
4:00 PM	A Lopez				4:00 PM
	Systematics of the Asian Bagrid Genus <i>Pseudobagrus</i>				
4:15 PM	N Lujan - GI				4:15 PM
	The Physics and Chemistry of the Loricariid Trophic Radiation				
4:30 PM	M Retzer				4:30 PM
	Taxonomy of <i>Auchenoglanis</i> (Siluriformes: Auchenoglanididae)				
5:00 PM				5:00 PM	
5:30 PM				5:30 PM	
6:00 PM				6:00 PM	
	GI = ASIH Stoye General Ichthyology		GH = ASIH Stoye General Herpetology		

2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
FRIDAY, 24 JULY, Afternoon Sessions

ROOM	Parlor ABC	Galleria North	Galleria South	Broadway I & II	ROOM	
SESSION/ SYMPOSIUM	AES Gruber Award II	SSAR Seibert - Conservation Award	ELHS/LFC Connectivity II		SESSION/ SYMPOSIUM	
MODERATOR	C SIMPFENDORFER	B BRODMAN	J CASELLE		MODERATOR	
1:30 PM	W Bubley	M Osbourn	D Cooper		1:30 PM	
	Histological Staining of Vertebral Centra Increases Precision of Age Estimates Compared to Dorsal Fin Spines in Spiny Dogfish, <i>Squalus acanthias</i>	Effects of Land Use on Initial Juvenile Amphibian Dispersal	Northern Rock Sole (<i>Lepidopsetta polyxystra</i>) Connectivity between Larval and Juvenile Stages Along the Alaska Peninsula in Relation to Currents and Hydrography			
1:45 PM	S Ainsley	A Stengle	M Doyle		1:45 PM	
	Age, Growth and Maturity of the Whitebrow Skate, <i>Bathyraja minispinosa</i> (Ishiyama & Ishihara, 1977), from the Eastern Bering Sea	Movements of the Eastern Ratsnake (<i>Pantherophis alleghaniensis</i>) in an Urban Setting at the Northeastern Edge of its Geographic Range	Contrasting Patterns of "Connectivity", and Associated Recruitment Processes, among Early Life History Dynamics of Selected Fish Species in the Gulf of Alaska			
2:00 PM	C Cotton	S Whitfield	I Mateo		2:00 PM	
	Age, Growth and Reproduction of <i>Squalus mitsukurii</i> from Hawaiian Waters	Do Litter Dynamics Regulate Population Densities of Amphibians and Reptiles in a Declining Terrestrial Herpetofauna?	Variation in Otolith Microchemistry Fingerprints of French Grunt (<i>Haemulon flavolineatum</i>) and Schoolmaster (<i>Lutjanus apodus</i>) in Nursery Habitats in Puerto Rico and St. Croix (USVI)			
2:15 PM	F Carvalho	T Cotten	G Gerlach		2:15 PM	
	Blue shark (<i>Prionace glauca</i>) Spatial Distribution and Catch Probabilities in the Southwest Atlantic Ocean	The Effects of Chinese Tallow (<i>Sapium sebiferum</i>) Leaf Litter on Four Species of Anuran Tadpoles	Dynamic of the Genetic Structure Indicates Post-Settlement Selection			
2:30 PM	T Chapple	A Savage	M Berumen		2:30 PM	
	A Mark-Recapture Population Estimate of Great White Sharks, <i>Carcharodon carcharias</i> , off California	Experimental Infection with <i>Batrachochytrium dendrobatidis</i> Demonstrates Genetic Resistance to Chytridiomycosis in <i>Lithobates yavapiensis</i>	Connectivity and Self-recruitment of Coral Reef Fishes in a Marine Reserve Network in Kimbe Bay, Papua New Guinea			
2:45 PM	A Cicia	C Goldberg	J Llopiz		2:45 PM	
	Investigating the Physiological Effects of Environmental Salinity on the Distribution of Adult Female Atlantic Sharpnose Sharks, <i>Rhizoprionodon terraenovae</i> , in the northern Gulf of Mexico	Landscape Genetics of Columbia Spotted Frogs and Long-toed Salamanders in a Rural Landscape of Northern Idaho, USA	Variable Trophic Strategies of Planktonic Coral Reef Fish Larvae: Shining Some Light into the 'Black Box' of Connectivity Research			
3:00 PM	A Maia	K Kaiser	D Hogan		3:00 PM	
	Escape Responses in Young of the Year Spiny Dogfish	When Sounds Collide: Effects of Anthropogenic Noise on Frog Calling Behavior	Self-recruitment, Dispersal and Fluctuating Connectivity among Populations of a Coral Reef Fish			
3:15 PM	V Di Santo	V Titus	M Christie - SR		3:15 PM	
	Effects of Thermotaxis on Digestion Efficiency in Two Elasmobranchs	Population Genetic Diversity and Connectivity among Populations of the Eastern Tiger Salamander (<i>Ambystoma tigrinum tigrinum</i>) in New York and New Jersey	Larval Retention and Population Connectivity in Two Coral-Reef Fishes			
3:30 PM	T Daly-Engel	S Wisniewski	K Huebert - SR		3:30 PM	
	Beneficial or Unavoidable? Sexual Conflict Drives Low Multiple Paternity and Genetic Diversity in the Shortspine Spurdog Shark (<i>Squalus mitsukurii</i>)	A Brown Tree Snake Risk Assessment for the Continental United States	Effects of Vertical Migrations by Pelagic Reef Fish Larvae on Larval Transport			
3:45 PM	N Aschliman		S Sponaugle		3:45 PM	
	Diversity and Constraint in the Evolution of Skates and Rays (Chondrichthyes: Batoidea)		Spatial Variation in Larval Growth and Gut Fullness in a Coral Reef Fish: Implications for Population Connectivity			
4:00 PM	POSTER SESSION I Exhibit Hall				4:00 PM	
4:30 PM						
5:00 PM						
5:30 PM						
6:00 PM						

2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 25 JULY, Morning Sessions

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	Evolution & Ontology Symposium	Snake Reproduction Symposium	General Ichthyology I	Amphibian Ecology I	SESSION/ SYMPOSIUM
MODERATOR	P MABEE	R ALDRIDGE	E SCHULTZ	H WELSH	MODERATOR
8:00 AM	H Lapp	D Blackburn	S Young	T Thigpen	8:00 AM
8:15 AM	A Gentle Introduction to Ontologies for Biology	Evolution of Placentation in Viviparous Thamnophine Snakes	Age, Growth and Reproductive Biology of Catostomids from the Apalachicola River, Florida, USA C McMahan - GI	Efficacy of Automatic Vocalization Recognition Software for Anuran Monitoring Z Long	8:15 AM
8:30 AM	M Westerfield	T Ecay	N Brown-Peterson	D Trumbo	8:30 AM
8:45 AM	Linking Animal Models and Human Diseases	Reproductive and Developmental Physiology of Calcium Provision to Embryonic Snakes.	Effects of a Cestode Macroparasite on Oocyte Recruitment and Spawning of Alaskan Threespine Stickleback A Geheber - GI	Using GIS and Field Survey Data to Investigate the Abiotic and Biotic Factors Regulating Local Assemblages of Pond Breeding Amphibians in Eastern Missouri H Welsh	8:45 AM
9:00 AM	P Mabee	S Trauth	E Schultz	N Leuthold	9:00 AM
9:15 AM	Phenoscape: Using Ontologies to Link Comparative Morphology to Genes	Comparative Male Urogenital Anatomy of North American Colubroid Snakes	Copulation Kinematics in Poecilia, a Genus of Livebearing Fish K Conway - GI	Short-Term Response of Stream Amphibians to Forest Management in a Second Growth Forest T Baldwin	9:15 AM
9:30 AM	BREAK - Exhibit Hall				9:30 AM
SESSION/ SYMPOSIUM	Evolution & Ontology Symposium	Snake Reproduction Symposium	General Ichthyology I	Amphibian Ecology I	SESSION/ SYMPOSIUM
MODERATOR	P MABEE	R ALDRIDGE	K PILLER	L MAHRT	MODERATOR
10:00 AM	G Riccardi	M Parker	N Delventhal	L Mahrt	10:00 AM
10:15 AM	Illustrating Ontologies with Morphbank and Phenoscape	Sex Expression in Snakes: The Interplay Between Hormones and Pheromone Production	What I Found in Kolkata: A Trip to the Zoological Survey of India Type Collections S Dowell	If You Build It, They Will Come. Oviposition Of Columbia Spotted Frogs In Man-Made Ponds In Eastern Oregon D Green	10:15 AM
10:30 AM	P Vize	E Taylor	Morphological and Genetic Investigations of Pennsylvania Populations of the Channel Shiner, <i>Notropis wickliffi</i> R Day - GI	Body Size Variation and Size-assortative Mating in Anurans M Gibbons	10:30 AM
10:45 AM	An Ontology for Xenopus Anatomy and Development	Hormones and Reproduction in Free-Living Snakes	Digestion in Stomachless Fishes with Diametric Diets K Piller	Hatching Time and Genetics Affect Behavior and Development in the Red-eyed Treefrog (<i>Agalychnis callidryas</i>) J Touchon - EE	10:45 AM
11:00 AM	A Maglia	R Mason	Habitat Fragmentation and Genetic Population Structure of Three Etheosotomatine Darters in the Duck River, TN M Brooks	Reproductive Mode Plasticity in the Treefrog <i>Dendropsophus ebraccatus</i> J Purrenhage	11:00 AM
11:15 AM	Development of an Anatomical Ontology for Amphibians	Chemical Ecology of Snakes: From Pheromones to Receptors	Larval Fish Drift in a Northeastern River T Ford	Canopy Cover Impacts American Toads (<i>Bufo americanus</i>) in Multiple Life Stages C Distel - EE	11:15 AM
11:30 AM	M Robinson-Rechavi	X Bonnet	Reducing Sampling-Induced Stress in Atlantic Cod M Colton - GI	Effects of Sublethal Pesticide Exposure and Larval Competitors on Multiple Life Stages in Two Pond-Breeding Anurans R Van Meter	11:30 AM
11:45 AM	Bgee: Integrating Ontology and Homology for the Study of Gene Expression Evolution	The Evolution of Semelparity	Do Temperate Marine Fishes Follow the Rules? Relationships Between Body Size, Geographic Range Size and Abundance N Holcroft	Road Deicers and Gray Treefrogs: Unexpected Interactions in Pond Food Webs	11:45 AM
12:00 PM	LUNCH		LUNCH		12:00 PM
			GI = ASIH Stoye General Ichthyology	EE = ASIH Stoye Ecology & Ethology	

**2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 25 JULY, Morning Sessions**

ROOM	Parlor ABC	Galleria North	Galleria South	Broadway I & II	ROOM
SESSION/ SYMPOSIUM	AES Conservation & Management II	Herp Biogeography	AES Reproduction & Genetics	ELHS/LFC General Ichthyology II	SESSION/ SYMPOSIUM
MODERATOR	J CARLSON	R FISHER	J SULIKOWSKI	L FUIMAN	MODERATOR
8:00 AM		R Fisher		J Leis	8:00 AM
8:15 AM		Another New Brachylophusguana from Fiji? New Genetic Evidence and Further Use of Morphology to Discriminate among the Described Living Species J Richmond		With a Little Help from your Friends: Group Navigation in Larval Reef Fish R Coelho	8:15 AM
8:30 AM		Patterns of Evolutionary Diversification in South Pacific Sincoid Lizards of the Genus <i>Eumia</i> Based on Multilocus DNA Sequence Data D Portik - GH	Abundance, Distribution and Reproductive Biology of the Oceanic Whitetip Shark Caught by the Tuna Pelagic Longline Fishery in the Southwest Atlantic Ocean J Marquez-Farias	Behavioral Basis for Selective Mortality in a Coral Reef Fish L Fuiman	8:30 AM
8:45 AM	D Ha	Phylogeography of a Skink Species from Southwestern Africa D Wood	Observations on the Reproductive Biology of the Chilean Round Ray, <i>Urotrygon chilensis</i> from the Southern Gulf of California, Mexico J Sulikowski	Behavioral Traits that Determine Mortality of Newly Settled Reef Fish Larvae E D'Alessandro - SR	8:45 AM
9:00 AM	Shark CPUE Trends from Virginia's Atlantic waters: Trends 1972-2008 A Morgan	Conflicting Phylogenetic Signals in the Narrow-headed Gartersnake (<i>Thamnophis rufipunctatus</i>): Unraveling Historical versus Contemporary Patterns of Diversity B Stuart	Size and Age Estimates at Sexual Maturity for the Blacknose Shark, <i>Carcharhinus acronotus</i> , from the Northern Gulf of Mexico B Palm	Spatio-Temporal Distribution and Growth of Larval Snapper (Lutjanidae) along a Transect across the Straits of Florida K Adamski - SR	9:00 AM
9:15 AM	Population Assessment of the Dusky Shark in the Northwest Atlantic: Implications for the Structured Model J Moore	Phylogeography of the Asian Common Toad, <i>Bufo melanostictus</i> : Deep Genetic Structure in a Widespread Human Commensal I Phillipsen	Fecundity, Viability, and Gestational Rates of Little Skate, <i>Leucoraja erinacea</i> , Egg Cases in the Gulf of Maine J Williams	Developing an Index of Abundance for Gag Grouper in North Carolina: an Analysis of Larval and Juvenile Catch A Ojanguren	9:15 AM
9:30 AM	Critical Habitat for Sand Tiger Sharks During their Summer Residency in Delaware Bay	Phylogeography of a Stream-dwelling Frog (<i>Pseudacris cadaverina</i>) in Southern California	The Use of Steroid Hormone Concentrations to Determine Individual Variability in the Reproductive Cyclicity of the Little Skate, <i>Leucoraja erinacea</i> , in the western Gulf of Maine	Developmental Plasticity of Antipredator Responses of Red Drum Larvae	9:30 AM
BREAK - Exhibit Hall					
SESSION/ SYMPOSIUM	AES Conservation & Management II	Herp Biogeography	AES Reproduction & Genetics	ELHS/LFC General Ichthyology II	SESSION/ SYMPOSIUM
MODERATOR	J CARLSON	T TOWNSEND	D CHAPMAN	C GRIMES	MODERATOR
10:00 AM	J Carlson	T Townsend	J Giles	M Peck	10:00 AM
10:15 AM	An update on the status of the sand tiger shark, <i>Carcharias taurus</i> for the U.S. Atlantic Ocean M Evans	Phylogenetics and Biogeography of the Mexican Blind Lizard, <i>Anelytropsis papillosus</i> S Nielsen	Phylogeography of Indo-West Pacific Sharks and Rays (≤ 10 spp), with Applications to Monitoring the International Shark Fin Trade A Verissimo	Climate-driven Changes in the Survival and Growth of Marine Fish: Individual-based Model Estimates for Larval Herring (<i>Clupea harengus</i>) in the North Sea K Tsukamoto	10:15 AM
10:30 AM	Demographics and Habitat Partitioning of Elasmobranchs in Port Royal Sound, South Carolina C O'Connell	Something Old in New Zealand: Dating Suggests Possible Gondwanan Connections for New Zealand's Endemic Geckos J Meik	Worldwide Population Structure of the Spiny Dogfish <i>Squalus acanthias</i> K Allen	Ontogenetic Change of Buoyancy in Eel Leptocephali: An Adaptation for Life in the Ocean Surface Layer T Hurst	10:30 AM
10:45 AM	A Quantitative Analysis Examining the Effects of Permanent Magnets on Elasmobranchs in Recreational and Longlining Fisheries M Drymon	Phenotypic Evolution in Insular Speckled Rattlesnakes (<i>Viperidae: Crotalus mitchelli</i>) E Hekkala	Two Genetically Distinct Lineages of the Shortfin Mako (<i>Isurus paucus</i>) N Phillips	Ontogenic, Thermal, and Cohort-specific Effects on Growth Rates of Early Life Stages of Pacific Cod M Busby	10:45 AM
11:00 AM	Comparing Distributions of Sharks among Estuarine, Coastal and Oceanic Regions of the Gulf of Mexico K Andrews	Evaluation of Historic Taxonomic Affiliation and Population Genetic Structure Using Archival Samples A Reza	Conservation Genetics of <i>Pristis</i> Species in Australian Waters C Testerman	Identification of Larvae and Early Juveniles of Pricklebacks (Perciformes: Stichaeidae) in the Northeastern Pacific Ocean and Bering Sea D Robert	11:00 AM
11:15 AM	Calculating Shark Bycatch in the Gulf of Mexico Shrimp Trawl Fishery: A Collaborative Approach J Fernandez de Carvalho	Conservation Assessment and Prioritization of the Tropical Forest Habitats of Bangladesh: A Look on Amphibians and Reptiles J Mahaffy	Population Genetic Structure of the Night Shark (<i>Carcharhinus signatus</i>) in the Western Atlantic Assessed Using Nuclear Microsatellite Markers and Mitochondrial Control Region Sequences A Stow	Importance of Prey Field Definition for the Assessment of the Relationship Linking Year-Class Strength to Prey Availability during the Early Larval Stage of Marine Fish J Keane	11:15 AM
11:30 AM	The National Sawfish Encounter Database: Integration, Maintenance and Growth D McGowan	Historic Extensions of Rattlesnake Ranges (Timber Rattlesnake, <i>Crotalus horridus</i> and Massasauga, <i>Sistrurus catenatus</i>) from Five Counties in South-eastern and South-central Minnesota K Kozak	Patterns of Dispersal and Genetic Variation in the Sand Tiger Shark (<i>Carcharias taurus</i>) K Feldheim	EAC Variability and Spawning of Small Pelagic Fishes: Inferences from Larval Dynamics and Oceanography D Richardson	11:30 AM
11:45 AM	Evolution of the Recreational Shark Fishery of Florida, 1981-2008 M Mendoza-Carranza	Phylogenetic Niche Conservatism Drives High Montane Species Richness in Appalachian Salamanders L Lawson - GDM	Long-term Philopatry and the First Case of Natal Homing in a Chondrichthyan Fish D Chapman	Does Haddock Egg Predation Decouple the Abundance of Atlantic Herring Larvae from Spawning Stock Biomass on Georges Bank? C Grimes	11:45 AM
12:00 PM	Does Southern Stingray <i>Dasyatis americana</i> Sustain the Artisanal Elasmobranch Fisheries in Western Campeche Bank? LUNCH	Hyperolus Diversification in Fragmented Montane Forests: An Investigation into the Accumulation and Persistence of Biodiversity in the Eastern Arc Mountains of Tanzania LUNCH	Mating System and Paternity in an Intrauterine Cannibal: The Sand Tiger Shark LUNCH	The Role of Oceanographic Features in the Reproductive Strategies of Some Scombrid Fishes J Olney	12:00 PM
	GH = ASIH Stoyer General Herpetology	GDM = ASIH Stoyer Genetics, Development & Morphology	SR = ELHS/LFC Sally Richardson Award	Larvae of zeiform fishes	

**2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 25 JULY, Afternoon Sessions**

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	Herp Conservation I	Snake Reproduction Symposium	Fish Systematics II	AES Ecology I	SESSION/ SYMPOSIUM
MODERATOR	K BURNETT	D SEVER	GD JOHNSON	G SKOMAL	MODERATOR
1:30 PM	A Wright	N Ford	B Banbury	G Skomal	1:30 PM
	The California Amphibian and Reptile Species of Special Concern Update: Progress, Future Work, and Involvement by the Herpetological Community	Factors Influencing Offspring Size in Snakes	Can Ancestral Morphology Accurately Predict Ancestral Function?	Mesopelagic Trans-equatorial Migrations by Basking Sharks in the Western Atlantic Ocean	
1:45 PM	T Gorman		E Murdy	H Hsu	1:45 PM
	Range-wide and Stream-level Scale Occupancy of <i>Rana okaloosae</i>		A review of the genus <i>Taenioides</i> (Gobiidae: Amblyopinae)	North-South Migration of the Whale Shark (<i>Rhincodon typus</i>) in East Asian Waters and the Northwest Pacific	
2:00 PM	K Burnett	A Bronikowski	WL Smith	Y Papastamatiou	2:00 PM
	Evaluating Linkage Areas on Headwater Streams for Conserving Amphibians and Salmon	The Role of Insulin/GF1 Signaling (IIS) in Snake Reproduction	Limits and Relationships of the So-Called Pseudochromoid Fishes	New "Ecological" Tags and their Use in the Study of Shark Behavior	
2:15 PM	J Parmelee		D Stevenson	B Wetherbee	2:15 PM
	Amphibian and Reptile Use of Mitigation Wetlands in a Predominately Agricultural Landscape.		A Systematic Review of the Genus <i>Bothrocara</i> Bean 1890 (Teleostei: Zoarcidae)	Environmental Preferences of the Tiger Shark (<i>Galeocerdo cuvier</i>) Tracked with Pop-up Archival Satellite Transmitters in the US Virgin Islands	
2:30 PM	B Glorioso	D Siegel	L Tomabene	J Whitty	2:30 PM
	Anuran Site Occupancy as an Indicator of Conservation Benefits of the Wetlands Reserve Program	Comparative Female Cloacal Morphology of the <i>Caenophidia</i>	Review of the Atlantic Members of the Goby Genus <i>Bolmannia</i> (Teleostei: Gobiidae)	Movements and Habitat Use of Juvenile Freshwater Sawfish (<i>Pristis microdon</i>) in a Riverine Environment	
2:45 PM	D Cisneros-Heredia	S Graham	P Hundt	B Franks	2:45 PM
	Habitat Loss and Climate Change Impacts on Neotropical Anurans: Implications for In-situ Conservation	Endocrine/Immune Interactions during Reproduction in Snakes	Phylogenetic Relationships of Studfish, Subgenus <i>Xenisma</i> (Teleostei: Cyprinodontiformes: Fundulidae: Fundulus) using Morphological and Molecular Characters	Lemon Sharks (<i>Negaprion brevirostris</i>) on the Beach: An Update from a Winter, Surf-zone Nursery at Cape Canaveral, Florida	
3:00 PM	N Karraker	B Jellen	M Westneat	J Romine	3:00 PM
	Importance of Tadpoles to Stream Communities in Tropical Asia	Mating Order: A Proximate Mechanism Underlying the Occurrence of Differential Paternity Within the Ophidia	Higher-level Relationships Among Reef Fishes, the Evolution of Developmental Regulatory Genes and the Use of New Visualization Tools for Large Phylogenies.	Movement Patterns of Two Species of Rays in Mosquito Lagoon, Florida, USA	
3:15 PM	K Kriger	D Sever	D Buth	AES Business Meeting	3:15 PM
	The 2nd Annual Save The Frogs Day - April 30th, 2010	The Anterior Testicular Ducts of Snakes	Should Mitochondrial DNA Sequences be Used in Phylogenetic Studies of Fishes, Amphibians, and Reptiles?		
3:30 PM	D Wojnowski	Z Stahlschmidt	G Johnson		3:30 PM
	When is a Worm not a Worm? When it is a Critically Endangered Caecilian	Parental Care: Implications and Motivations of Python Egg Brooding Behavior	Ontogeny and Systematics of Whalefishes (Stephanoberyciformes: Cetomimidae): Resolution of a Deep-Sea Conundrum, Part 1. History, ontogenetic transformations and sexual dimorphism		
3:45 PM	F Wing Kan Vivian	R Krohmer	J Paxton		3:45 PM
	Seasonality, Diet, and Habitat Use of the Hong Kong Newt (<i>Paramesotriton hongkongensis</i>), and their Implications for Conservation	Neuroendocrine and Environmental Regulation of Courtship and Mating in the Male Red-Sided Garter Snake.	Ontogeny and Systematics of Whalefishes (Stephanoberyciformes: Cetomimidae): Resolution of a Deep-Sea Conundrum, Part 2. Biology, Linking of Life Stages, and Relationships		
4:00 PM	M Feldman	R Aldridge			4:00 PM
	A More Effective Method to Induce Turtles to Lay Their Eggs	Seasonal Variation in the Relative Mass of the Testis and Sexual Segment of the Kidney in the Ophidia			
4:15 PM	B Brodman	K Gribbins			
	Amphibians and Reptiles as Predictors of the Paleoenvironment of the Late Tertiary Pipe Creek Sinkhole	The Ultrastructure of Spermiogenesis within the <i>Agkistrodon</i> Complex			
4:30 PM	POSTER SESSION II Exhibit Hall			4:30 PM	
5:00 PM					
5:30 PM					
6:00 PM					

2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 25 JULY, Afternoon Sessions

ROOM	<i>Parlor ABC</i>	<i>Galleria North</i>	<i>Galleria South</i>	<i>Broadway I & II</i>	ROOM
SESSION/ SYMPOSIUM	AES Systematics/ AES General Ichthyology	Herp Genetics	Hubbs Symposium	ELHS/LFC Ecology I	SESSION/ SYMPOSIUM
MODERATOR	D EBERT	Mi DOUGLAS	R CASHNER	W EKAU	MODERATOR
1:30 PM	K Claeson - GI	Mi Douglas	G Powell	L Tomaro - SR	1:30 PM
	Phylogenetic Systematics of the Electric Rays (Torpediniformes: Batoidea)	ESUs, MUs, DPSs, Msats and Biodiversity Conservation	Graduate School in the 1970's with Professor Clark Hubbs.	Survival of Mid-upper Columbia River Spring Chinook Salmon: The effects of Size and Growth during Migration	
1:45 PM	M Carvalho	T Devitt	FD Martin	Y Fukunishi - SR	1:45 PM
	A Systematic Overview of the Taxonomically Diverse, and Evolutionarily Complex, Neotropical Freshwater Stingrays (Chondrichthyes: Myliobatiformes: Potamotrygonidae)	Simultaneous Analysis of Interindividual Spatial and Genetic Data from a Hybrid Zone between Terminal Forms of the Salamander Ring Species <i>Ensatina eschscholtzii</i>	Amazon molly: Is It An Invasive Species?	Comparison of UV-B Tolerance among Wild and Hatchery-reared Juveniles in Black Sea Bream (<i>Acanthopagrus schlegelii</i>) and Red Sea Bream (<i>Pagrus major</i>)	
2:00 PM	D Ebert	K Kiemnec-Tyburczy	R Edwards	A Shanks	2:00 PM
	Resurrection and Redescription of <i>Squalus suckleyi</i> (Girard, 1854) from the North Pacific, with comments on the <i>Squalus acanthias</i> subgroup (Squaliformes: Squalidae)	Expression of Odorant and Pheromone Receptors in a Salamander, <i>Plethodon shermani</i>	Selected life history attributes of the San Felipe gambusia, <i>Gambusia clarkhubbsi</i> , in San Felipe Creek, Texas	Annual Recruitment of Three Species of Tidepool Fishes is Driven by Variation in Springtime Coastal Hydrodynamics	
2:15 PM	K James	R Williams	F Pezold	J Krug - SR	2:15 PM
	A New Species of Chimaeroid, <i>Hydrolagus</i> sp. nov. (Chondrichthyes: Chimaeriformes: Chimaeridae) from the Eastern North Pacific	Reproductive Success and Sexual Selection in Wild Tiger Salamanders (<i>Ambystoma tigrinum</i>)	Genetic Variation In The Genus <i>Kribia</i> (Eleotridae) In Guinea, West Africa	A Test for Correlated Recruitment of Predator and Prey Species of Kelp Forest Fishes	
2:30 PM	J Kemper	A Schrey	D Hendrickson	R Borges	2:30 PM
	<i>Chimaera</i> sp. nov., A New Species of Chimaerid from Southern Africa (Chondrichthyes: Chimaeriformes: Chimaeridae)	Effects of a Managed Burn Regime on Florida Sand Skink Analyzed with Microsatellite Loci	The Fishes of Texas Project: Clark Hubbs' Legacy Continues	Tidal and Vertical Distribution of Nearshore Fish Larval Assemblages at a Temperate Rocky Shore	
2:45 PM	E Grogan	A Fox	W Matthews	G Aceves-Medina	2:45 PM
	Live Birth and Superfetation in a 318 Million Years Old Carboniferous Chondrichthyan	Genetic Relatedness in the Sand Skink, <i>Plestiodon reynoldsi</i> , in the Scrub of Central Florida	Clark Hubbs' Contributions to Ichthyology in Oklahoma	Multivariate Characterization of Spawning and Larval Environment of Small Pelagic Fishes in the Gulf of California	
3:00 PM	R Lund	A Leibman - GDM	E Marsh-Matthews	A Faria - SR	3:00 PM
	Helicoprion and Tooth Whorls in Chondrichthyes	Natal Beach Contributions to a Southeastern United States Subadult Loggerhead Sea Turtle (<i>Caretta caretta</i>) Feeding Assemblage	Clark Hubbs' Contribution to Fish Life History Ecology	Ontogeny of Swimming Behavior of Two Temperate Reef Fishes, <i>Lepidogaster lepidogaster</i> and <i>Lepidogaster purpurea</i> (Gobiesocidae)	
3:15 PM			S Stevenson	E Inda-Diaz - SR	3:15 PM
			Travels with Clark: Perspectives on the Origin of Lore	Three-dimensional Distribution of Fish Larvae Around a Surface Front in the Gulf of California	
3:30 PM			B Birkhead	F Hernandez Jr	3:30 PM
			The ictalurid catfish sting, is it a deterrent to predators: a look back?	Jellyfish Predation on Ichthyoplankton in the Northern Gulf of Mexico: Estimating the Impact on Recruitment and Fisheries	
3:45 PM			Hubbs Family		3:45 PM
4:00 PM	POSTER SESSION II Exhibit Hall				4:00 PM
4:15 PM					4:15 PM
4:30 PM					4:30 PM
4:45 PM					4:45 PM
5:00 PM					5:00 PM
5:30 PM					5:30 PM
6:00 PM					6:00 PM
	GI = ASIH Stoye General Ichthyology	GDM = ASIH Stoye Genetics, Development & Morphology		SR= ELHS/LFS Sally Richardson Award	

2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 26 JULY, Morning Sessions

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	Live Bearing Fish Symposium	Turtle Symposium	Fish Ecology II	Fish Phylogeography	SESSION/ SYMPOSIUM
MODERATOR	I SCHLUPP	B BURY	A QUATTRINI	M WHITE	MODERATOR
8:00 AM	Schlupp/Johnson	B Bury	T Sutton	M Kopeny	8:00 AM
	Introduction	Ecology And Conservation Of Turtles And Freshwater Turtles: What Are The Challenges Ahead?	Deep-Sea Fishes of the Mid-Atlantic Ridge: Trophic Structure and Interactions	Determination of the Native Range of the Orangefin Madtom (<i>Noturus gilberti</i>)	
8:15 AM	D Blackburn	D Germano	A Quattrini	M White	8:15 AM
	Evolution of Vertebrate Viviparity and Matrotrophy: An Overview	Growth, Population Structure, and Reproduction of the Western Pond Turtle Across Its Range	Species Composition and Distributions of Mesopelagic Fishes Over the Slope of the North-central Gulf of Mexico	Intraspecific Phylogeography of the Sauger	
8:30 AM			J Drazen	M Hayes - GI	8:30 AM
			Bypassing the Abyssal Benthic Food-Web: Macrourid Diet in the Eastern North Pacific Inferred from Stomach Contents, Stable Isotopes, and Fatty Acid Biomarkers	Phylogeography of <i>Percina nigrofasciata</i> (Percidae)	
8:45 AM	E Marsh-Matthews	A Bennett	J McClain	T Turner	8:45 AM
	Incipient Matrotrophy: Potential Roles in Offspring Provisioning in Lecithotrophic Poeciliids	The Effects of Habitat Fragmentation on Demography and Gene Flow in Northern Map Turtles (<i>Graptemys geographica</i>) on the Trent-Severn Waterway, Ontario, Canada	Trophic Structure of Midwater Fishes over Cold Seep Areas in the Gulf of Mexico	Phylogeography of the Orangebelly Darter	
9:00 AM	M Belk	M Rasmussen	C Anderson	P Berendzen	9:00 AM
	Life History Variation Within Poeciliid Species Does Not Predict Variation Among Closely Related Species	Patterns of Maternal Investment in Spotted Turtles (<i>Clemmys guttata</i>): Implications of Trade-offs, Scale of Analyses, and Incubation Substrates	Spatial Distributions of Bathypelagic Fishes along the Mid-Atlantic Ridge	Test of Simultaneous Diversification of Central Highlands Fishes East and West of the Mississippi River	
9:15 AM	J Zuniga-Vega	J Litzgus	A Quattrini	G Smith	9:15 AM
	Reviewing the Causal Hypothesis for the Evolution of Superfecundation in Livebearing Fishes	Stochastic Population Viability Analyses for an Endangered Freshwater Turtle, <i>Clemmys guttata</i>	Fish-Habitat Relationships at a Deepwater Coral Mound off North Carolina, USA	Cenozoic History of Western North American Freshwater Fishes	
9:30 AM	BREAK - Exhibit Hall				9:30 AM
SESSION/ SYMPOSIUM	Live Bearing Fish Symposium	Turtle Symposium		Fish Phylogeography	SESSION/ SYMPOSIUM
MODERATOR	I SCHLUPP	B BURY		P CHAKRABARTY	MODERATOR
10:00 AM	M Placek	W Selman		J Albert	10:00 AM
	Using Mollies as a Model for the Evolution of Mating Signal Divergence	The Pascagoula Map Turtle (<i>Graptemys gibbonsi</i>): Overlooked, Declining, or Both?		Paleogeographic Dating Indicates Paleogene Origins for the Species-rich Amazonian Ichthyofauna	
10:15 AM	H Rodd	G Johnston		G Seegert	10:15 AM
	Various Roles of Pigment-based Coloration in Guppies	Ecology of Freshwater Turtles in a North Florida River: Spatial Variation in Assemblage Structure		The Longitudinal Pattern of Various Fishes in the Ohio River	
10:30 AM	C Ghalambor	F Janzen		J Eble - GDM	10:30 AM
	Patterns of Divergence in Body Shape and Swimming Performance in Live-bearing Fish: A Model for Investigating Trade-offs in Adaptive Evolution	Climate Change and Temperature-dependent Sex Determination in Turtles		Phylogeography of the Yellow Tang (<i>Zebrasoma flavescens</i>) Indicates a Hawaiian Origin and Dispersal to the West Pacific	
10:45 AM	B Langerhans			J Drew	10:45 AM
	Livebearing Fish as Models for the Study of Genital Evolution			Multi-locus Biogeography of Amblyglyphidodon and the Evolution of Marine Biodiversity in the Coral Triangle	
11:00 AM	F Garcia de León	R Vogt		P Chakrabarty	11:00 AM
	Morphological variation of <i>Poecilia mexicana</i> in Mexican populations	Nesting Strategies of Amazonian Freshwater Turtles		Blind Cave Fishes from Opposite Ends of the Indian Ocean Reveal an Ancient Gondwanan Connection	
11:15 AM	M Mateos			A Kinziger	11:15 AM
	Phylogeography of Poeciliids in Western Mexico			Long-term Isolation and Genetic Divergence Between Populations of the Threatened Rough Sculpin (<i>Cottus asperimus</i>) Separated by Hat Creek Fault	
11:30 AM	J Trexler	S Doody			11:30 AM
	Population Dynamics and Control of Local Density of Three Poeciliid Species in a Dynamic Landscape	Pig-nosed Turtles and their Importance to Diverse Communities in Australia			
11:45 AM	J Rasmussen				
	Body Shape Variation of a Neotropical Liverbearer in Relation to Predation Environment and Selected Intrinsic Factors				
12:00 PM	LUNCH	LUNCH	LUNCH	LUNCH	12:00 PM
			GI = ASIH Stoye General Ichthyology	GDM = ASIH Stoye Genetics, Development & Morphology	

**2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 26 JULY, Morning Sessions**

ROOM	Parlor ABC	Galleria North	Galleria South	Broadway I & II	ROOM	
SESSION/ SYMPOSIUM	General Ichthyology	HL Graduate Research Award I	AES Physiology	ELHS/LFC Hypoxia	SESSION/ SYMPOSIUM	
MODERATOR	C LOWE	G PERRY	J GELSLEICHTER	L Ciannelli/D Breitbart	MODERATOR	
8:00 AM			L Enzor	L Ciannelli/D Breitbart	8:00 AM	
8:15 AM	E Wiley		The Spine of Atlantic Stingray, <i>Dasyatis sabina</i> : Venom Toxicity and Role in Life History	J Gelsleichter	Hypoxia and Fish Early-life Stages: A Comparison between Human-enriched and Upwelling-driven Systems	8:15 AM
8:30 AM	B Froeschke - GI	P Hampton	S Kim	A Johnson - SR	8:30 AM	
	Serial Homology and Teleost Epurals	Interspecific Prey and Predator Feeding Performance in Naticines	Assessing Fractionation Factors and Tissue Turnover Rates for Sharks	Effects of Hypoxia on Ichthyoplankton and Micronekton Communities Off the Oregon and Washington Coasts		
8:45 AM	J Orr	M Close	J Patterson	L Lang	8:45 AM	
	Skates of the Subgenus <i>Arctoraja</i> (Bathyraja: Rajidae): Morphological and Genetic Variation, New and Cryptic Species	Anatomical and Histological Correlates to Snake Lower Jaw Function	A Comparative Study of the Capacity for Aerobic and Anaerobic Metabolism in the Muscle Tissues of the Three Species of Thresher Shark (Family Alopiidae)	The Effects of Hypoxia on the Distribution of Larval Fishes in the Gulf of Mexico	CANCELED	
9:00 AM	G Hoff	S McCracken	J Mallefet	V Buehler	9:00 AM	
	Skate Nursery Habitat in the Eastern Bering Sea	Detection of <i>Batrachochytrium dendrobatidis</i> in Amphibians from the Forest Floor to the Upper Canopy of an Ecuadorian Amazon Lowland Rainforest	Study Of The Velvet Belly Lantern Shark, <i>Etmopterus spinax</i> , Luminous System	Hypoxia in a Changing World - What Can we Learn from Amazon Fishes		
9:15 AM	C Lowe	S Spear	J Claes	K Craig	9:15 AM	
	Site Fidelity, Homing and Movements of Fishes Associated with Offshore Platforms in Southern California	Colonization and Gene Flow of Coastal Tailed Frogs (<i>Ascaphus truei</i>) at Mount St. Helens: Population Response across Disturbance Gradients	Luminescent Camouflage in a Deepwater Shark	Developing Mechanistic Links Between Hypoxia and Juvenile Finfish Bycatch in the Gulf of Mexico		
9:30 AM	BREAK - Exhibit Hall			W Ekau	9:30 AM	
9:45 AM				A Change in the Larval Fish Community of the Northern Benguela Induced by the Extension of the Oxygen Minimum Layer	9:45 AM	
SESSION/ SYMPOSIUM	Fish Conservation I	Herp Development & Morphology	AES Ecology II	ELHS/LFC Ecology II	SESSION/ SYMPOSIUM	
MODERATOR	C TAYLOR	C STAYTON	J BIZZARO	S ACEVEDO	MODERATOR	
10:00 AM	R Morgan	L Regula Meyer - GH	J Bizzarro	M Kuroki	10:00 AM	
10:15 AM	Effects of Road Salt on Fish Assemblages in Maryland	Tadpole Growth and Development in Invaded Pools	Biology and Distribution of the Sixgill Sawshark, <i>Pliotrema warreni</i> Regan 1906, off Southern Africa	The Role of the Leptocephalus Larva in the Evolution of Anguillid Oceanic Migrations		
10:30 AM	C Taylor	R Andrews	M Espinoza	E Morote - SR	10:15 AM	
	A Tale of Two Rivers: Differential Change to Fish Assemblages in the Upper Tombigbee River and the Noubsee River (Mississippi) after Fragmentation by the Tennessee-Tombigbee Waterway	Rates of Development and Embryonic Diapause in Chameleons	Spatial and Temporal Patterns of Elasmobranchs in a Newly Restored Accessible Habitat	Feeding Ecology of Two Hake Larvae: <i>Merluccius merluccius</i> from NW Mediterranean and <i>Merluccius gayi</i> from Central Chile. Ontogeny versus Environmental conditions		
10:45 AM	B Chernoff	W Du	M Ajemian	B Laurel	10:30 AM	
	River of the Undamed: "Recovery" of the Eightmile River after Dam Removal	Determinants of Incubation Period: Do Reptilian Embryos Hatch after a Fixed Total Number of Heartbeats?	An Integrative Approach to Evaluating the Ecological Role of Spotted Eagle Rays (<i>Aetobatus narinari</i>) in Bermuda	An Experimental Examination of Temperature Interactions in the "Oscillation-control" and "Match-mismatch" Hypothesis for Pacific Cod Larvae		
11:00 AM	B Fluker - C	P Nicodemo	J Imhoff	P Munday	10:45 AM	
	Molecular Divergence in the Highly Imperiled Rush Darter, <i>Etheostoma phytophilum</i> , Relative to its Widespread Congener <i>E. parvipinne</i>	Ontogenetic Shifts of Heart Position in Snakes	Evidence Of A Winter Refuge For Juvenile Bull Sharks (<i>Carcharhinus leucas</i>) in the Northern Banana River, Florida, USA	Ocean Acidification Affects Larval Growth and Olfactory Discrimination of a Marine Fish		
11:15 AM	R Arnold - C	C Stayton	J Froeschke	S Nakayama - SR	11:00 AM	
	Phylogenetics and Conservation of Frogfishes (Antennariidae: Lophiiformes)	The Morphological and Biomechanical Evolution of Emydid Turtle Shells	Habitat Selection Patterns of Sharks in Northwestern Gulf of Mexico	Intraspecific Competition among Early Life Stages and the Optimal Spawning Strategy of Red Drum		
11:30 AM	A Hearn	M Alcorn	J Szczepanski	A Eller - SR	11:15 AM	
	Site Fidelity and Inter-island Movement of Scalloped Hammerhead Sharks, <i>Sphyrna lewini</i> , in the Galapagos Marine Reserve and Eastern Tropical Pacific	Geometric Morphometrics Role in Phylogenetic Classification and Sexual Dimorphism Dynamics of <i>Eurycea aquatica</i> and <i>Eurycea cirrigera</i>	Feeding Habits of Skates and Rays in Delaware Bay: An Analysis of Resource Usage and Comparison to Batoids of Narragansett Bay	Abundance and Distribution of Larval Eulachon (<i>Thaleichthys pacificus</i>) in Berners Bay, Alaska in Relation to Physical Factors		
11:45 AM	D Vieglais	D Mahler - GDM	D Bethea	E Gonçalves	11:30 AM	
	FishNet 2 - A Network of Ichthyology Collections Offering Realtime Analysis and Visualization	Convergence and Parallelism in the Evolution of Anolis Tail Length	Can Bonnethead Sharks Digest and Assimilate Seagrass?	Interannual Fluctuations in the Structure of Temperate Reef Fish Larval Assemblages at the Arrábida Marine Park		
12:00 PM	LUNCH	LUNCH	LUNCH	LUNCH	12:00 PM	
	C = ASIH Stoye Conservation	GI = ASIH Stoye General Ichthyology GH = ASIH Stoye General Herpetology	GDM = ASIH Stoye Genetics, Development & Morphology	SR = ELHS/LFC Sally Richardson Award		

2009 Joint Meeting (JMH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 26 JULY, Afternoon Sessions

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	Live Bearing Fishes Symposium	Turtle Symposium	Cypriniformes Tree of Life	Fish Conservation II	SESSION/ SYMPOSIUM
MODERATOR	J JOHNSON	D GERMANO	H BART	T DONALDSON	MODERATOR
1:30 PM	T Hrbek	B Hagerty	K Tang	S Friederichs	1:30 PM
1:45 PM	Phylogenetic Relationships of the Poeciliinae (Cyprinodontiformes)	A Landscape Genetic Approach to Identifying Connectivity for the Mojave Desert Tortoise	Cypriniformes Tree of Life: Molecular Phylogeny of the Earth's Most Diverse Clade of Freshwater Fishes	Measuring Temporal, Spatial and Vertical Movements of Pacific Sailfish (<i>Istiophorus platypterus</i>) in the Eastern Tropical Pacific Using Pop-up Archival Tags	1:45 PM
		K Drake	M Miya	D Parkyn	
2:00 PM	G Rosenthal	P Medica	K Saitoh	T Donaldson	2:00 PM
	Mate Choice and Evolutionary Genetics in Xiphophorus-Hybrid Zones	Long-term Growth and Natural History of a Population of Desert Tortoises (<i>Gopherus agassizii</i>) in Southern Nevada	Cypriniformes Tree of Life: Nuclear and Mitochondrial DNA Analysis of Tetraploid <i>Cobitis biwae</i> and <i>C. striata</i> Indicates Extensive Past Hybridization Events	Climate Change, Ocean Acidification, and Extinction Risks in Reef Fishes	
2:15 PM	M Tobler	S Corn	H Bart	M Steele	2:15 PM
	Natural and Sexual Selection against Migrants in Sulfide Spring and Cave Poeciliids	Sources of Bias in Line-Distance Sampling of Desert Tortoises	Cypriniformes Tree of Life: Phylogenetic Informativeness of Amino Acid Substitutions and Protein Structure Changes in Four Nuclear Genes for Inferring Relationships of Cypriniform Fishes	A Test for Equivalence of Reproduction of Temperate Reef Fishes on Artificial versus Natural Reefs	
2:30 PM	J Johnson	T Esque	L Yang - GI	J McDowell	2:30 PM
	Parallel Life History Evolution in Poeciliid Fishes	A Habitat Suitability Model for the Mojave Desert Tortoise: Importance of Ecological Parameters and Conservation Implications	Cypriniformes Tree of Life: Phylogenetic Relationships of the Cyprinid Subfamily Cyprininae (Ostariophysi: Cypriniformes) Inferred from Mitochondrial and Nuclear Sequence Data	Genetic Analysis of Bluefin Tuna (<i>Thunnus thynnus</i>) Population Structure	
2:45 PM	I Schlupp		M Hirt - GI	L Sorenson - C	2:45 PM
	Sex and Asex in Livebearing Fishes		Dating the Cypriniformes Tree of Life	Development of Molecular Markers for the Discrimination of Atlantic and Indo-Pacific Populations of Istiophorid Billfishes	
3:00 PM	O Dominguez	L. Harden	A Simons	K Martin	3:00 PM
	Uncovering the Evolutionary History of <i>Goodeinae</i>	Conservation of Diamondback Terrapins in the Carolinas: What Do We Know, Not Know, and Need to Know	Cypriniformes Tree of Life: Phylogenetic Relationships of the Cyprinid Subfamily Cyprininae (Ostariophysi: Cypriniformes) Inferred from Mitochondrial and Nuclear Sequence Data	Stock Assessment With Citizen Scientists: Trends and Trajectories for Populations of California Grunion	
3:15 PM	K Hughes	B Horne	R Mayden	D Topping	3:15 PM
	Developments in Poeciliid Genomics	New Directions in the Conservation of Large River Turtles in Southeast Asia	Cypriniformes Tree of Life: A Supermatrix Approach to Inferring the Phylogenetic Relationships of the North American Species of the Family Cyprinidae	Use of Ultrasonic Telemetry Methods to Estimate Mortality Rates, Residency, and Movement Patterns of Red Snapper, <i>Lutjanus campechanus</i>	
3:30 PM			M Doosey - GI		3:30 PM
			Cypriniformes Tree of Life: A Molecular Phylogenetic Perspective on Evolution of Pharyngeal Feeding Apparatus of Suckers (Actinopterygii: Catostomidae)		
3:45 PM		Discussion	S Rages		3:45 PM
			Cypriniformes Tree of Life: Morphology of the Dorsal and Anal Fins of Cypriniforms and Their Potential Phylogenetic Importance		
4:00 PM			G Arratia		4:00 PM
			Cypriniformes Tree of Life: The Caudal Skeleton of Ostarioclupeomorphs: Issues of Homology		
4:15 PM			J Engeman		4:15 PM
			Cypriniformes Tree of Life: Intriguing Patterns of Gill Arch Development and Homology Implications		
4:30 PM					4:30 PM
5:00 PM					5:00 PM
5:30 PM					5:30 PM
6:00 PM					6:00 PM
7:00 PM					7:00 PM
8:00 PM					8:00 PM
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POSTER SESSION III
Exhibit Hall

**2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 26 JULY, Afternoon Sessions**

ROOM	Parlor ABC	Galleria North	Galleria South	Broadway I & II	ROOM
SESSION/ SYMPOSIUM	NIA Student Paper Award	HL Graduate Research Award II	General Herpetology	ELHS/LFC Ecology II/ Condition	SESSION/ SYMPOSIUM
MODERATOR	J BASKIN	H HEATWOLE	R CLARK	L Copeman/ B Laurel	MODERATOR
1:30 PM	A Pease	E Broyles	G Perry	S Acevedo	1:30 PM
	Structure and Morphological Diversity of Stream Fish Communities along a Longitudinal Fluvial Gradient in the Rio Grijalva Basin, Mexico	Diamondback Terrapins (Malaclemys terrapin) Of The Ashley River: Estimated Population Size, Sex Ratio, and Distribution	"Filling the gap": Improving Education on the Ethics of Animal Use in Field Biological Research	The Vertical and Horizontal Distribution of Fish Larvae in Central Bass Strait, South-Eastern Australia	
1:45 PM	G Mattox	G Shillinger	J Stynoski - EE	A Sreenivasan	1:45 PM
	Phylogenetic Study of the Characinae (Ostariophysi, Characiformes, Characidae): Preliminary Results	Satellite Tracking and Remote Sensing Describe Leatherback Movements and Distribution within the Equatorial and South Eastern Pacific	Discrimination of Offspring by Indirect Recognition in an Egg-Feeding Dendrobatid Frog (Oophaga pumilio)	Differences between Observed Growth and a Physiological Growth Index (RNA/DNA Ratio) in Larval Pacific Cod (Gadus macrocephalus) and Walleye Pollock (Theragra chalcogramma) at Different Temperatures	
2:00 PM	J Muriel-Cunha	A Coleman	M Gerson	R Heintz	2:00 PM
	Tales from the Underground Amazon: Diversity and Evolution of Phreatobius (Siluriformes, Ostariophysi)	Diamondback Terrapin Hatchling Orientation Behavior: To Sea or Not To Sea? That Is The Question.	Different Strokes for Different Folks: Signaling Behavior and Caudal Traits in Two Populations of Zebra-tailed Lizards (Callisaurus draconoides)	Growth and Energy Allocation in Larval Pollock (Theragra chalcogramma) from the Bering Sea	
2:15 PM	L Watson	L Neuman-Lee	L Bonachea	D Stormer - SR	2:15 PM
	Age and Growth of the Giant Arapaima in South-western Guyana	Examining the Effects of Atrazine on Embryos of Turtles from Two Deeply Divergent Cryptodiran Families (Emydidae and Trionychidae)	Predation Risk Influences the Expression of Male Choice in Tungara frogs, Physalaemus pustulosus: Implications for Sexual Selection	Cohort Structure, Growth, and Condition of Juvenile Bluefish Pomatomus saltatrix in the Hudson River Estuary, New York	
2:30 PM	M Rocha	K Miller	C Richards-Zawacki	K McMahon - SR	2:30 PM
	Two Putative New Syntopic Species of Phreatobius Goeldi (1905) From Aripuanã Basin, Amazonas, Brasil (Siluriformes: Heptapteridae)	Maintaining Genetic Diversity in Reintroduced Populations of Skinks and Tuatara	Coloration as a Pre-mating Barrier to Reproduction in the Strawberry Poison Dart Frog (Oophaga pumilio): Have differences in female preference lead to assortative mating?	Patterns in Carbon Isotope Fractionation of Amino Acids Between Diet and Consumer in a Model Fish Species	
2:45 PM	A Smith	M Eckstut	R Lombard	D Johnson - SR	2:45 PM
	Variation in the Impact of Larval History on Survival	Uniform Bisexuals and Variable Unisexuals: Morphological Variation in the Nactus pelagicus Complex (Reptilia: Gekkonidae) on Tanna Island, Vanuatu	Mirror Self-Recognition in Chelonians	Quantifying Genetic and Environmental Variation in Larval Quality for a Marine Fish	
3:00 PM	A Domingo	C Linkem	K Hurme - EE	M Davis	3:00 PM
	A Missing Link In Population Biology Of Reef Fishes: Molecular Ecology of Larval Dispersal in Gobies	Systematics of Philippine Skinks in the Genus Sphenomorphus (Reptilia: Scincidae: Lygosominae)	Anti-predator Behavior and Activity Budgets in Schooling vs. Non-schooling Tadpoles	Reflex Impairment is an Index for Larval and Juvenile Fish Vitality and Mortality Potential	
3:15 PM	R Javonillo	R Lovich	R Herman	L Copeman - SR	3:15 PM
	Evolution of Reproductive Novelities among Characid Fishes (Teleostei: Ostariophysi) as Revealed by an Emergent Phylogenetic Signal In Molecular Data	Mitochondrial Evolution and Phylogeography of the Endangered Arroyo Toad (Anaxyrus californicus)	Tail Autotomy and Regeneration in the Common Natterjack Toad (Bufo calamita)	Increased Terrestrial Dietary Input and Decreased Lipid Storage in Juvenile Cod (Gadus morhua) during Settlement into Eelgrass Habitat	
3:30 PM	E Harrison	G Pauly	F Vargas Salinas	E Caldarone	3:30 PM
	The Invasive Cichlasoma urophthalmus (Mayan cichlid) in the Florida Everglades	Discordance between Mitochondrial and Nuclear Gene Phylogenies and its Impacts on the Systematics of the Bufo boreas Species Group	Abiotic Noise Explains Intraspecific Divergence in Advertisement Calls of Ranitomeya bombetes (Anura: Dendrobatidae)	Potential Non-lethal Methods for Estimating Condition and Growth Rates in Juvenile Fish	
3:45 PM		J McVay	S Sessions	J Gao - SR	3:45 PM
		Evaluating methods of estimating species trees: an empirical approach using the Thamnophiini	An Explanation for Missing Limbs in Deformed Amphibians	Parental Contributions to Larval Growth in Atlantic Silversides: a Heritability Study	
4:00 PM				R Brodeur	4:00 PM
				Lipids and Fatty Acids of Juvenile Salmon and their Prey in Coastal Waters	
4:15 PM				C Chambers	4:15 PM
				A Method for Comparing Alternative Measures of Fish Condition and other Qualitative Indices	
4:30 PM				J Govoni	4:30 PM
				Feeding on Prolists and Particulates by the Leptocephali of the Worm Eels Myrophis spp. (Lotken 1852) (Teleostei, Anguilliformes, Ophichthidae), and the Potential Energy Contribution of Large Aloricate Ciliates	
5:00 PM				ELHS Business Meeting	5:00 PM
5:30 PM				5 - 6 p.m.	5:30 PM
6:00 PM		ASIH Business Meeting			6:00 PM
7:00 PM		6 - 8 p.m.			7:00 PM
8:00 PM					8:00 PM
			EE = ASIH Stoye Ecology & Ethology	SR = ELHS/LFC Sally Richardson Award	

**2009 Joint Meeting (JMH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
Monday, 27 JULY, Morning Sessions**

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	Darwin Symposium	Herp Conservation II	Fish Biogeography	Amphibian Ecology II	SESSION/ SYMPOSIUM
MODERATOR	T BERRA	M JORDAN	T Turner	M DONNELLY	MODERATOR
8:00 AM		N Nelson		S Walls	8:00 AM
		Threatened Long-lived Species with TSD will rely on Management to Cope with Global Warming		Ephemeral Wetland Ecosystems in the Face of Climate Change: An Amphibian Perspective	
8:15 AM		C Rodriguez		B Todd	8:15 AM
		Iguana iguana In Puerto Rico: It Is Time For Management?		Rapid Opposing Shifts in Amphibian Reproductive Timing Correlate with Changing Climate	
8:30 AM	T Berra	S Hathaway	J Bagley - GI	T Schriever	8:30 AM
	Charles Darwin: The Man and His Accomplishments	Assessment of the Terrestrial Herpetofauna of Palmyra Atoll, Line Islands	Phylogeography of the Knife-Edged Livebearer, <i>Alfaro cultratus</i> (Cyprinodontiformes: Poeciliidae), in Costa Rica	Food Web Ecology of Ponds Along A Hydroperiod Gradient: A Stable Isotope Investigation	
8:45 AM		K Greenwald	D Bloom	W Mautz	8:45 AM
		The Effect of Landscape on Population Size, Isolation, and Persistence in Ambystomatid Salamanders	Testing the Miocene Marine Ingression Hypothesis Using Anchovies (Engraulidae)	Tracking a Nitrogen Fixing Tree d15N Signature Through a Hawaiian Coqui Frog Population	
9:00 AM	A Bauer	M Jordan	J Reece - GDM	M Donnelly	9:00 AM
	Darwin's Amphibians and Reptiles	Pre-Settlement History Obscures the Effect of Forest Fragmentation on Genetic Variation in The Eastern Red-Backed Salamander	Panmixia across the Indo-Pacific in Two Species of Moray Eels	Do trails affect relative abundance estimates of rainforest frogs and lizards?	
9:15 AM	D Wake	J Johnson	E Lewallen	M Donnelly	9:15 AM
	Darwin's Species	The Interaction of Genotype and Hydroperiod Affects Fitness in a Tiger Salamander Hybrid Zone	Does the Eastern Pacific Barrier Limit Epipelagic Fish Dispersal? A Population Genetic Analysis of Three Flyingfish Species (Exocoelidae) in the Pacific	Amphibian Community Structure as a Function of Forest Types in Amazonian Peru	
9:30 AM	BREAK -Grand Ballroom Foyer				9:30 AM
SESSION/ SYMPOSIUM	Darwin Symposium	Herp Conservation II	Fish Systematics	Snake Conservation	SESSION/ SYMPOSIUM
MODERATOR	T BERRA	S RICHTER	B SIDLAUSKAS	B HALSTEAD	MODERATOR
10:00 AM	D Pauly	K Pope	B Sidlauskas	M Mitrovich	10:00 AM
	Darwin's Ichthyological Collection and Musings during his Voyage on H.M.S. Beagle	Lentic-breeding Amphibians of the Mountains of Northern California: Status and Threats	Allometrically Informed Approaches to Species Discrimination and Discovery in the Leporinus cylindricornis Group (Characiformes: Anostomidae)	Using Site Occupancy Models to Infer the Response of the Coachwhip (<i>Masticophis flagellum</i>) and Striped Racer (<i>M. lateralis</i>) to Land Use Change in Coastal Southern California	
10:15 AM		T Garcia	J Stauffer	B Halstead	10:15 AM
		Mechanisms Behind the Successful Invasion of Bullfrogs (<i>Rana catesbeiana</i>) in the Northwest United States	A New Cichlid in the Genus <i>Stigmatochromis</i> (Teleostei:Cichlidae) from Lake Malawi, Africa.	Factor Analysis as a Tool for Conserving the Giant Gartersnake	
10:30 AM	P Wainwright	V Hawkes	M Stiassny	R King	10:30 AM
	Darwin and Macroevolution: Comparative Analysis of Innovations and Diversity	Mapping of Critical Habitat for the Oregon Spotted Frog (<i>Rana pretiosa</i>) in British Columbia, Canada.	Extreme Hydrological Conditions and Complex Channel Topology Drives Population Divergence and Speciation in the Lower Congo River	10,000 Watersnakes Can't be Wrong: Demographic Analysis of Population Recovery	
10:45 AM	K de Queiroz	A Lind	R Schmidt	M Cross	10:45 AM
	Darwin and the Tree of Life	Assessing Effects of Altered Hydrologic Regimes on Foothill Yellow-legged Frogs Using a Population Projection Model	Diversity of African Suckermouth Catfishes (Mochokidae: Chiloglanis) in Guinea, West Africa	Responses of the Eastern Massasauga Rattlesnake (<i>Sistrurus c. catenatus</i>) to a Prescribed Fire in a Southwestern Michigan Wetland Prairie	
11:00 AM	L Parenti	S Richter	A Datovo	D Jochimsen - C	11:00 AM
	Darwin, Wallace and Biogeographic Classification	Conservation Genetics of the Critically Endangered Dusky Gopher Frog, <i>Rana sevosia</i>	The Cheek Muscles of Trichomycterid Catfishes: Morphology and Phylogeny (Siluriformes: Loricarioidea: Trichomycteridae)	Seasonal and Landscape Variation of Snake Road Mortality on the Upper Snake River Plain	
11:15 AM	D Lewis	D Mushet	F Bockmann	R Platenberg	11:15 AM
	Darwin's Ship: H.M.S. Beagle from Bow to Stern	Complex Spatial Dynamics Maintain High Genetic Diversity in the Face of Climate Variation	A New Catfish Genus from Northern Brazil (Siluriformes: Heptapteridae) Provides New Insights on the Relationships of the Enigmatic Genus <i>Phreatobius</i> Goeldi	Endangered Species and Land Use Conflicts: Identifying Habitat for the Virgin Islands Tree Boa (<i>Epicrates monensis</i> granti)	
11:30 AM	E Hilton	H Waddle	K Irwin	E Campbell	11:30 AM
	Darwin's Fossils	Occupancy Dynamics in a Louisiana Assemblage of Anurans	Evolution of Troglomorpha among Hypogean Fishes do not Occur in Parallel	Brown Treesnake Management: A Programmatic Update	
11:45 AM		J Hale		R Reed	11:45 AM
		Population Genetics of the Growing Grass Frog, <i>Litoria raniformis</i> , in an Altered Landscape in South-eastern Australia		Canine Detection of Free-Ranging Brown Treesnakes on Guam: Field Validation and Lessons Learned	
12:00 PM	LUNCH	LUNCH	LUNCH	LUNCH	12:00 PM
			GDM = Stoye Genetics, Development, & Morphology		

**2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
Monday, 27 JULY, Morning Sessions**

ROOM	Parlor ABC	Galleria North	Galleria South	Broadway I & II	ROOM
SESSION/ SYMPOSIUM	Fish Genetics II	Herp Physiology	Fish Morphology & Physiology		SESSION/ SYMPOSIUM
MODERATOR	D PORTNOY	A BRONIKOWSKI	D HULSEY		MODERATOR
8:00 AM	C Stepien		R Carlson		8:00 AM
	Invasion Genetics of the Round Goby (<i>Neogobius melanostomus</i>): Founding Sources, Spatial Patterns, and Temporal Changes		Kinematics and Performance Limits of Four Species of <i>Etheostoma</i> Darters (Percidae: Etheostomatinae) During Benthic Station-Holding		
8:15 AM	D Portnoy	Z Kohl - PPE	C Handelsman		8:15 AM
	Linkage Mapping in the Red Drum, <i>Sciaenops ocellatus</i>	Are Large RBCs Indicative of Decreased Vascular Resistance? A Test of the Snyder-Shearor Hypothesis.	The Shortest Distance between Two Points: Do different approaches to Geometric Morphometrics Produce Different Results?		
8:30 AM	B Keck - GDM	S Beaupre	E Hassell		8:30 AM
	Information in the Gene Trees of Introgressed Genomes: Sweeps, Zones, and Founder Effects.	On Estimating the Cost of Growth in Timber Rattlesnakes (<i>Crotalus horridus</i>): Feeding Trials, Field Metabolism, and the Role of SDA	Male and Female <i>Brachyraphis rhabdophora</i> Show Different Ontogenetic Morphological Responses to Predator Regime		
8:45 AM	T Makinen	A Southwood	J Bruner		8:45 AM
	Molecular Clocks and the Timing of Ostariophysan Radiations	Temperature Effects on Metabolic Enzyme Activity in Muscle Tissue of Diamondback Terrapins (<i>Malaclemys terrapin</i>)	Spreitzer <i>Vertebrae</i> , A New Unreported Character for <i>Esoc</i> (Esocidae, Esociformes).		
9:00 AM	V Buonaccorsi	A Rosenblatt	D Hulsey		9:00 AM
	Molecular Signals of Natural Selection In <i>Sebastes chrysomelas</i> and <i>S. carnatus</i>	Seasonal Salinity Variability and its Impacts on Alligator Behavior in the Florida Coastal Everglades	Comparative Lower Jaw Evolution in Cichlid Adaptive Radiations		
9:15 AM	J Hargrove	M McElroy - PPE	A Ward		9:15 AM
	Using Polymerase Chain Reaction to Aid Visual Analysis of French Grunt Stomach Contents	Comparative Thermal Ecology and Physiology of two Cryptic Skinks on Mo'orea, French Polynesia	Fin Reduction and Loss in Ostariophysan Fishes		
9:30 AM	BREAK - Grand Ballroom Foyer				9:30 AM
SESSION/ SYMPOSIUM	Fish Behavior	Herp Ecology	Fish Morphology & Physiology		SESSION/ SYMPOSIUM
MODERATOR	S O'STEEN	D MARSH	K MARTIN		MODERATOR
10:00 AM	S O'Steen	D Marsh	I Kaatz		10:00 AM
	Does Guppy Courtship Locomotion Honestly Indicate Performance, and Do Females Care?	Season and Size-specific Demography of a Terrestrial Salamander	Sound Producing vs. "Silent" Catfish Families: Differences in Pectoral Spine Length, Ornamentation and Dorsal Process Surface Morphology		
10:15 AM	K Dammerman	M Gifford	K Cole		10:15 AM
	Substrate Color Preference and Adaptive Coloration in Two Populations of Freshwater Coastrange Sculpin	Competition, Physiological Limitation, and the Impact of Climate Change on the Distribution and Abundance of Montane Salamanders	Reproductive Morphology among Hermaphroditic Gobine Fishes: Insights into Phylogeny and Evolution		
10:30 AM	M Adreani	S Welch	L Hernandez		10:30 AM
	Reduced Fertilization Rate in the Presence of Streak Spawners in the Hermaphroditic Seabass, <i>Serranus subligarius</i>	Crayfish Burrow Use by Herpetofauna	Untangling the Palatal Organ: Ontogeny and Evolution of a Novel Cypriniform Structure		
10:45 AM	C Mireles	A Curtis	K Staab		10:45 AM
	Petroleum Platforms as Fisheries Habitat: Using Acoustic Telemetry to Investigate How Shallow Occurring Nearshore Reef Species Utilize Deep Offshore Petroleum Platforms in Southern California	Modeling Detection Probabilities and Occupancy Estimates of Ambystomatid Salamanders	Morphological and Kinematic Variation in Upper Jaw Protrusion in Cypriniform Fishes		
11:00 AM	Z Benzaken	N Burgmeier	C Kenaley - GDM		11:00 AM
	The Tale of the Two Shoals: How Individual Experience Influences Shoal Behaviour	Movement Patterns, Habitat Use, and Home Range Size in Eastern Hellbenders	From Red to Blue, and Back Again: The Evolution of Highly Adaptive Visual Systems in the Lightfishes (Teleostei: Stomiiformes)		
11:15 AM		J Lefebvre	B Clemens		11:15 AM
		Does Size Matter? Sexual Size Dimorphism in three populations of Blanding's Turtles (<i>Emydoidea blandingii</i>) in Nova Scotia	Migration and Maturation Characteristics of Adult Pacific Lamprey, <i>Entosphenus tridentatus</i> : Do Warm Summer Temperatures Act as a Controlling or a Selecting Factor?		
11:30 AM		L Dixon	Z Ruddy - PPE		11:30 AM
		False Map, Spiny Softshell and Smooth Softshell Turtle Nest and Nest-site Habitat Characteristics Along the Lower Stretch of the Missouri National Recreation River in South Dakota	The Role of Handling Stress in the Survival of Hatchery-Reared Spotted Seatrout (<i>Cynoscion nebulosus</i>) When Subjected to a Predator		
11:45 AM		T Radzio	J Barreda - PPE		11:45 AM
		Overwintering Ecology of Gopher Tortoises in Southern Mississippi	A Comparative Study of Thermal Tolerance in Air and Water for Five Species of Indo-Pacific Air-Breathing Fishes		
12:00 PM	LUNCH	LUNCH	LUNCH	LUNCH	12:00 PM
	GDM = ASIH Stoye Genetics, Development & Morphology		PPE = ASIH Stoye Physiology & Physiological Ecology		

**2009 Joint Meeting (JMIH), Portland, Oregon
BREAK-OUT SESSIONS AT A GLANCE
Monday, 27 JULY, Afternoon Sessions**

ROOM	Grand Ballroom I	Grand Ballroom II	Pavilion East	Pavilion West	ROOM
SESSION/ SYMPOSIUM	Darwin Symposium	Herp Conservation III	Snake Ecology	Fish Ecology III	SESSION/ SYMPOSIUM
MODERATOR	T BERRA	P HENRY	P RUTHERFORD	M PETERSON	MODERATOR
1:30 PM	M Landim	P Henry	K Wiseman	J Turner	1:30 PM
	Darwin in Brazil	Population Study of Diamondback Terrapins (Malaclemys terrapin) on a Marsh Island in the Chesapeake Bay.	Feeding Ecology of the California Kingsnake (Lampropeltis getula californiae)	Feeding Ecology of Eleotris sandwicensis and Xenoconger fryeri found in Hawaiian Anchialine Ponds: A Possible Paradox	
1:45 PM	F Jenkins	R Hogg	R Clark	T Lankford	1:45 PM
	Darwin's Tangled Bank: Tiktaalik roseae and the Landmark Vertebrate Transition to Terrestrial Life	Population Structure and Abundance of the Western Pond Turtle (Clemmys marmorata) in the Jenny Creek Watershed, Cascade-Siskiyou National Monument, Southern Oregon	Quantifying the Foraging Behavior of Ambush Hunting Snakes	Fish Nursery Function of Ocean Surf-Zone Habitat: Response to a Human Disturbance Gradient	
2:00 PM		M McCallum	H Lillywhite	M Peterson	2:00 PM
		Predicted Climate Change May Spark Box Turtle Declines	Prey Utilization of Neonatal Insular Cottonmouth Snakes: Is there an Evolved Prey Preference?	Distribution and Habitat Characterization of the Saltmarsh Topminnow, Fundulus jenkinsi, Along the North-Central Gulf of Mexico	
2:15 PM	B Collette	K Haskett	P Rutherford	M McRae	2:15 PM
	The Smithsonian and Darwin	Population Dynamics of Texas Diamondback Terrapin located on Selected Estuarine Islands within Galveston Bay, Texas	Hibernation in Small-bodied Snakes in South-western Manitoba	Coexistence of Kuhlid fishes in the Hawaiian Islands is Facilitated by Differences in Juvenile Habitat Use	
2:30 PM	D Smith	R Inman	J Pierce	T Duffy	2:30 PM
	Darwin's Critics	Predicting spring activity in desert tortoises (Gopherus agassizii)	Home Ranges and Movement Patterns of Louisiana Pine Snakes (Pituophis ruthveni) in Texas and Louisiana	The Spatial Scale of Adaptive Variation in Temperature-Dependent Sex Determination in an Estuarine Fish, Menidia menidia	
2:45 PM	T Berra	T Tuberville	P Gregory	L Hice	2:45 PM
	Closing	Mating System in a Gopher Tortoise Population Established through Multiple Translocations: Apparent Advantage of Prior Residence	Working Towards the Matrix Matrix: Growth Curves for Grass Snakes	Latitudinal Variation in Atlantic Silverside Vertebral Number and the Adaptive Significance of Jordan's Rule	
3:00 PM	BREAK- Grand Ballroom Foyer				3:00 PM
SESSION/ SYMPOSIUM		Herp Conservation III	Snake Ecology	Fish Ecology III	SESSION/ SYMPOSIUM
MODERATOR		S HEPELL	H LILLYWHITE	C WORMALD	MODERATOR
3:30 PM		K Buhlmann	J Waldron	C Wormald	3:30 PM
		Reintroduction As A Conservation Tool For Blanding's Turtles	Growth and Age at Maturity in Sympatric Populations of Eastern Diamondback Rattlesnakes and Canebrake Rattlesnakes	Positive Effects of Group Living on Recruitment and Survival of a Harvested Coral Reef Fish	
3:45 PM		H Balbach	T Farrell	J Morley	3:45 PM
		Why Do We Translocate Species-at-Risk, and Do We Really Benefit the Species We Move?	Patterns of Growth in Dusky Pigmy Rattlesnakes (Sistrurus miliarius) In Central Florida	Seasonal Changes in Prey Abundance and Temperature Dependent Capture Success in Winter Feeding in Bluefish	
4:00 PM		S Heppell	S Mackessy	J Turnure	4:00 PM
		Developing Models to Assess the Impacts of Fisheries Bycatch on Sea Turtle Populations	Natural History and Den Site Fidelity of Prairie Rattlesnakes (Crotalus viridis viridis) in Northeastern Colorado	Effects of Reproductive Phenology on Habitat Use and Movement in Weakfish (Cynoscion regalis): Observations from a Small New Jersey Estuary Using Acoustic Telemetry	
4:15 PM		L Weir	D Bender	M Buckhorn	4:15 PM
		Trends in Anuran Occupancy from Ten Northeast States	Population Characteristics and Diet of Western Massasauga in Central Kansas with Inferences from Stomach Contents and Stable Isotopes	The Influence of Habitat and Exploitation on Reef Fish Assemblages	
4:30 PM		R Russell		E Kahler	4:30 PM
		Multiple Road Effects on Amphibian Community Structure in Roadside Wetlands		Associations Between Marine Communities and Artificial and Natural Reefs of Maryland	
4:45 PM		L Hazard			4:45 PM
		Behavioral Aversion of Two New Jersey Amphibian Species to Road Deicers			
5:00 PM		S Moore			5:00 PM
		Movement Patterns, Home Range and Habitat Use of Western Spiny Softshells (Apalone spinifera hartwegi) in the Upper Missouri River, Montana			

CANCELLED