

**Poster Sessions**

Presenters should be at their posters <b>7 - 9:30 p.m on Tuesday</b> . G=Genesis, F= Founders, T=Turner Competitions			
#	Poster Title	Authors	Organization
<b>GENESIS (Undergraduate) &amp; TURNER (High school) COMPETITIONS</b>			
G	1	Cultural transmission of predator recognition in the European starling	Gillespie C, Templeton J <i>Knox College</i>
G	2	Lateralization of visual discrimination in a passerine: Importance of the binocular field	Wintheiser R, Templeton J <i>Knox College</i>
G	3	Under the bottom and over the top: Multiple selection pressures of teleost fish	Shelton DS, Lee K, McDonald J, Mingle M, Winland C, Purdy J <i>Southwestern University</i>
G	4	Death feigning: adaptive shyness or spider personality?	Torres CI, Johnson J <i>Arizona State University</i>
G	5	Immune function and symmetry as measures of developmental stability in <i>Junco hyemalis</i>	Spevak E, Gerlach N, Ainsworth K, Ketterson E <i>Marlboro College</i>
G	6	Behavior of juvenile horseshoe crabs	Keegan L, Brockmann HJ <i>University of Florida</i>
G	7	Wasteful killing in black widows: adaptive fasting or behavioral syndrome of foraging voracity	Trubl PT, Johnson J <i>Arizona State University</i>
G	8	The cost sensitive mating strategy of honeybee queens	Hayworth MH, Johnson N, Wilhelm M, Gove R, Metheny J, Rueppell O <i>University of North Carolina - Greensboro</i>
G	9	Does early subordination to an aggressive sib engender a wimpy adult?	Sanchez-Macouzet O, Drummond HM <i>Instituto de Ecología, UNAM</i>
T	10	Sex ratio variation in forest edge and interior by coconut crab, <i>Birgus latro</i>	Angeli NA <i>Johns Hopkins University</i>
<b>APPLIED &amp; CONSERVATION</b>			
	11	Thinking outside the box: the role of animal behavior in science fairs	Margulis SW, Margulis SM <i>Lincoln Park Zoo, , Kenwood Acad. High School</i>
	12	A multiple time sample comparison of behavior problems in kittens, <i>Felis catus</i> , and puppies, <i>Canis familiaris</i>	Wright JC <i>Mercer University</i>
	13	Change and repeat: demonstrating control over dogs' variable and repetitive behavior	Buitrago C <i>ASPCA Midwest Office</i>
F	14	Impact of play experience on fear and anxiety in chickens	Dossey N, Massey, C, Cloutier, S, Newberry R <i>Washington State University</i>
	15	Does rough handling decrease retention of blue orchard bees in commercial populations?	Vorel CA, Pitts-Singer T <i>Utah State University</i>
	16	Effects of urban riparian restoration on the behavior and abundance of passerine birds	Hunt J, Bridwell S <i>Grand Valley State University</i>
	17	Size effects and resource competition at a Neotropical stopover site	Beall S, Chandler C <i>Georgia Southern University</i>
	18	Normal social behaviour of domestic dogs, <i>Canis familiaris</i>	Howse M, Walsh C, Anderson R <i>Memorial University of Newfoundland</i>
	19	Competitive foraging in the domestic dog	Reid PJ, Collins K, Buitrago C <i>ASPCA Midwest Office</i>
	20	Is teat order in piglets similar to territoriality?	Brumon-Martinez I, Drummond HM <i>Instituto de Ecología, UNAM</i>

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<b>APPLIED &amp; CONSERVATION - continued</b>			
F	21	Episodic-like memory in crossbred Yucatan mini-pigs, <i>Sus scrofa</i>	Kouwerberg AL, Walsh C, Martin G <i>Memorial University of Newfoundland</i>
	22	Using honeybees, <i>Apis mellifera</i> , to detect cancer volatiles in urine	Foster RL, Hannaford S, Wong A, Apple S, Adams H, Iyengar R, Drescher C <i>University of Puget Sound</i>
<b>COGNITION &amp; LEARNING</b>			
	23	What makes a hive a home?	Evans E Capaldi <i>Bucknell University</i>
F	24	Hormonal mediation of aversive learning: attack intensity affects memory in a wild vertebrate	Thaker M, Hews DK, Lima SL <i>Indiana State University</i>
	25	Multisensory learning by a predatory jumping spider?	Adams RM, Hebets E <i>University of Nebraska - Lincoln</i>
	26	Hand use in spider, <i>Ateles geoffroyi</i> , and howler, <i>Alouatta pigra</i> , monkeys	Zillmer EJ, Stetter K <i>University of Wisconsin - Oshkosh</i>
	27	Evidence of population-level lateralized behaviour in giant waterbugs, <i>Belostoma flumineum</i> (Heteroptera Belostomatidae): T-maze turning is left biased	Kight SL, Steelman L, Coffey G, Lucente J, Castillo M <i>Montclair State University</i>
<b>COMMUNICATION</b>			
	28	In the eyes of the beholder: extending warning coloration into the ultraviolet	DaCosta M, Garrett S, Conner W <i>Wake Forest University</i>
	29	Why do vocal mimics imitate some species but not others?	Gammon DE, Loux A <i>Elon University</i>
	30	Pheromones and sexual attraction in the western clawed frog, <i>Xenopus tropicalis</i>	Partyka M, Schwendiman A, Searcy B, Owen M, Hurlock C, Chantarojwong T, Propper C <i>Tulane University</i>
F	31	Macrogeographic vocal variation in subspecies of swamp sparrow	Liu IA, Lohr B, Olsen B, Greenberg R <i>Duke University</i>
	32	Grassquit display vocalizations: stereotypy and interindividual variation	Dias AFdeS, Podos J, Cho D, Macedo RH <i>Universidade de Brasilia</i>
	33	Feeding and chick-a-dee calls of <i>P. carolinensis</i> in the presence of predator models	Mahurin EJ <i>Clever Critters</i>
	34	Stop making noise, I'm talking to my neighbor: effects of urban noise on response times of songbirds	Daniels SL, Katti M, Hanlin H, Soto J, Alhadead H, Ritchey S <i>California State University - Fresno</i>
	35	Song development in juvenile song sparrows: comparing the selective attrition model and the social eavesdropping model in lab-tutored males	Nulty B, Burt J, Akcay C, Templeton C, Campbell S, Beecher M <i>University of Washington</i>
	36	The Asian elephant vocal repertoire	de Silva SR <i>University of Pennsylvania</i>
<b>DEVELOPMENT</b>			
F	37	The development of behavior in two beluga calves for the first six months of life	Hill H, Campbell C, Finn R, Dorogi T <i>St. Mary's University of San Antonio</i>
	38	Exploration, object play, and secure-base use in two beluga calves	Alexander A, Hill H <i>St. Mary's University of San Antonio</i>

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<b>DEVELOPMENT - continued</b>			
	39	Egg lay order influences neural development in European starlings, <i>Sturnus vulgaris</i>	Walsh CJ, Au K <i>Memorial University of Newfoundland</i>
	40	Brood size and juvenile survival rate of the leech, <i>Helobdella stagnalis</i> , found at Montezuma Well and the Rio de Flag in Arizona	Beresic-Perrins RK, Marks L, Stewart J, Shuster S <i>University of Washington</i>
<b>ECOLOGY</b>			
	41	The relationship between shelf circulation and the movements of Atlantic bottlenose dolphin, <i>Tursiops truncatus</i> , along the Texas coastline	Vastano AV, Hill H <i>Texas A&amp;M University - College Station</i>
	42	Host web relocation in response to a web-invading spider	Kintz LK, Cangialosi K <i>Keene State College</i>
	43	Habitat selection criteria in rock ringtail possums	Berryman JR <i>University of Hawaii - Manoa</i>
	44	Bark scorpion activity patterns: the anti-predator advantages of being warm	Rowe MP, Medrano P, Pendley E, Carlson B, Rowe A <i>Sam Houston State University</i>
	45	Tana River yellow baboons', <i>Papio cynocephalus</i> , diet and habitat use: a 5-year study	Bentley-Condit VK <i>Grinnell College</i>
	46	Bat avoidance behaviors in three species of the katydid genus <i>Neoconocephalus</i>	Brueggen MK, Schul J <i>University of Missouri - Columbia</i>
	47	Predation intensity by birds affects parasite prevalence in inter tidal crabs	Koga TK, Oki S <i>Wakayama University</i>
F	48	Behavioral correlates of male biased juvenile mortality in thirteen-lined ground squirrels, <i>Spermophilus tridecemlineatus</i>	Freeman PF, Bachman G <i>University of Nebraska - Lincoln</i>
	49	Optimal foraging theory for food-caching species does not predict food-caching hamsters' choices in an operant foraging task	Mayeaux DJ, Sotak K <i>St. Bonaventure University</i>
	50	Effects of exaggerated male eye span on anti-predator behaviors	Worthington AW, Swallow J <i>University of South Dakota</i>
<b>MATING/BREEDING SYSTEMS</b>			
	51	Variation in allopatric populations of an endemic marine gastropod (Muricidae) in the northern Gulf of California	Cota RC <i>Northern Arizona University</i>
	52	Weddell seal courtship: Relationships between vocalizations and behaviors	Purdy JE, Russell L, Davis R <i>Southwestern University</i>
	53	Movement and survival of collared flycatcher, <i>Ficedula albicollis</i> , fledglings	Bures SB, Praus L <i>Palacky University</i>
	54	Female tail wagging enhances sexual performance in male goats, <i>Capra hircus</i>	Haulenbeek AM, Katz L <i>Rutgers University</i>
F	55	Live fast, die young: do sexually competitive male sierra dome spiders have shorter lives	Andres DA, Watson P <i>University of New Mexico - Albuquerque</i>
	56	Do expecting mothers prefer white? Male position relative to foam nests influences female choice in the túngara frog	Martin CM, Guy L, Taylor R <i>Salisbury University</i>
	57	Socially induced sex change in small male bluebanded gobies	Lorenzi VL, Grober M <i>Georgia State University</i>

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<b>MATING/BREEDING SYSTEMS - continued</b>			
	58		
	59	Home ranges and activity patterns of the San Nicolas Island Fox over the annual reproductive cycle	Powers RM, Randall J, Cypher B, Ralls K, Moffatt C <i>San Francisco State University</i>
	60	Reproduction in the burying beetle, <i>Nicrophorus investigator</i> : no communal breeding and, if larger, females may parent alone	Smith RS <i>Idaho State University</i>
<b>SEXUAL SELECTION</b>			
F	61	Reintroduction of sexual selection rapidly increases fitness in mice: investigating genetic mechanisms	Nelson AC, Harmon S, Potts W <i>University of Utah</i>
	62	Selection on condition-dependent ornaments of female American goldfinches	Bishop EB, Tarvin K <i>Oberlin College</i>
F	63	Examining sexual conflicts in the mating system of a simultaneous hermaphrodite	Hart MK <i>University of Kentucky</i>
F	64	A field test of female mate preference for plumage coloration and genetic complementarity in Eastern Bluebirds, <i>Sialia sialis</i> .	Liu ML, Siefferman L, Mays H, Hill G <i>Auburn University</i>
	65	Female mate choice is influenced by male olfactory cues in the domestic goat, <i>Capra hircus</i>	Longpre KL, Becker S, Katz L <i>Rutgers University</i>
	66	Testing for equal fitnesses of alternative mating strategies in <i>Xiphophorus multilineatus</i>	Bono LB, Ríos-Cárdenas O, Brewer J, Morris M <i>Ohio University</i>
	67	Multiple mating in horseshoe crabs	Brockmann HJ, Johnson S <i>University of Florida</i>
	68	Social context affects spectral plumage traits of male blue-black grassquits	Pereira LBR, Lacava RV, Macedo RH <i>Universidade de Brasilia</i>
<b>SOCIAL BEHAVIOR</b>			
	69	Evolutionary ecology of heterospecific aggression	Robinson BW, Peiman K <i>University of Guelph</i>
	70	May-December romance in loons: Does sex-biased site-familiarity lead to territory settlement by young male - old female pairs?	Piper WH <i>Chapman University</i>
	71	Self-determined persistence versus rival assessment in stalk-eyed flies	Egge AE, Brandt Y <i>University of South Dakota</i>
	72	Sociability, rank, and maternal behavior in captive western lowland gorillas	James-Aldridge VG, Veliz L <i>University of Texas - Pan American</i>
	73	Social cost of structurally-based UV-reflective plumage in blue-black grassquits	Lacava RV, Pereira LBR, Macedo RH <i>Universidade de Brasilia</i>
	74	Intraspecific competition reveals fitness declines due to dietary fructose	Ruff JS, Schwartz B, Hite M, Suchy A, Potts W <i>University of Utah</i>

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<b>SOCIAL BEHAVIOR - continued</b>			
75	Intersubjectivity in pigeon courtship: Does it exist?	Ramey-Ware EL, Saunders D, Troje N	<i>Queen's University</i>
76	Testing behavioral stability in social and non-social contexts in Carolina chickadees	Williams EH	<i>University of Tennessee - Knoxville</i>
77	Role of contact in beluga, <i>Delphinapterus leucas</i> , calf relationships	Finn RF, Hill H	<i>University of Texas - San Antonio</i>
78	Control of reproduction in the polygynandrous acorn woodpecker, <i>Melanerpes formicivorus</i>	Haydock JH, Landon J, Koenig W	<i>Gonzaga University</i>
79	Helpers at the nest: influence on breeding performance in the field flicker, <i>Colaptes campestris</i>	Dias RI, Goedert D, Blomqvist D, Macedo RH	<i>Universidade de Brasilia</i>