08:00 66.1 WILLIAMS, R. L., JOHNSON, K. B.; Seasonal Variation, Diet and Prey Selection of the Ctenophore Mnemiopsis leidyi in a Subtropical Estuary

08:00 66.2 (DEE) SINCLAIR, BJ, KLOK, CJ, TERBLANCHE, JS, SCOTT, MB, CHOWN, SL; Physiological constraints on the small-scale distribution of three species of Antarctic Collombola

08:00 66.3 CATENAZZI, Alessandro; The Ulva connection: marine resources subsidize terrestrial consumers in coastal Peru

08:00 66.4 ROTH, J.D., WIESEL, I., DREA, C.M.; Variation in seal consumption by brown hyenas in the Namib desert estimated using stable isotopes

08:00 66.5 BARTON, B. T., ROTH, J. D.; Sea turtle nest predators: Implications for community ecology

08:00 67.1 Hranitz, J.M., Melicercik, M.J., Baird, T.A.; The Effective Population Size of a Colony of Collared Lizards: Another Look After Three Generations

08:00 67.2 (DEE) MeDEiros, Matthew J; Repeated evolution of flightlessness in cave-dwelling moths.

08:00 67.3 Hamilton, D.E., Janowski-Bell, M.E., McIntyre, N.E., Densmore, L.D.; A preliminary molecular analysis of the Theraphosid genus Aphonopelma and its implications on the present morphological taxonomy

08:00 67.4 (DNB) THEOBald, J C, Warrant, E J; Neural summation in night flying sweat bees

08:00 67.5 (DEE) BAKKEN, George S., Krochmal, Aaron R.; Pitviper thermal vision: An optical analysis of spatial resolution and signal strength

08:00 67.6 (DNB) Grace, M.S., Vandyke, J.U.; Infrared Imaging in Pit Vipers: Complex Behavior from a Thermal Contrast Detector

10:20 68.7 (DAB) Fernandez, A. A., Morris, M. R.; Pre-existing sensory bias in the Poeciliidae?: additional insight from two Xiphophorus species

10:20 68.8 (DAB) Fuller, R.; Testing the assumptions of the sensory bias model

11:00 68.9 (DAB) Barimo, J.F. *, Mcdonald, M.D., Waslh, P.J.; The influence of photoperiod on pulsatile urea excretion in toadfish (Opsanus beta)


10:20 69.2 (DCPB) Dunbar, M.B., Tomasi, T.E. *; Hibernation Energetics of Eastern Red Bats (Lasiurus borealis)

11:00 69.3 (DIZ) Pratt, M.C.; Will an opportunistic invasive bryozoan displace or coexist with other epiphytic bryozoans in the Gulf of Maine?

11:00 69.4 (DAB) Casper, A.F., Johnson, L.E.; Patterns of microevolution and displacement in a rapidly expanding species: Insights from comparative physiological ecology of zebra and quagga mussels

11:20 69.5 Wells, S.L., McConaugha, J.R.; Fecundity and Reproductive Energetics in the Chesapeake Bay Blue Crab, Callinectes sapidus

08:00 70.1 (DCE) Urano, Akihisa, Moriya, Shogo, Abe, Shuiti; Oligonucleotide DNA Microarray for Haplotype Analysis in Field Endocrinology

08:00 70.2 (DCE) Storrs, S.I., Semlitsch, Raymond D.; Is hermaphroditism natural in amphibians?: A case of contaminated controls

08:00 70.3 (DCE) Bonier, Frances, Martin, Paul R., Jensen, Jay P., Foltz, Sarah, Wingfield, John C.;
09:00 67.4 (DEE) GIFFORD, M. E.*, LARSON, A.; Consequences of recent secondary contact between lineages of *Ameiva chrysolaema* in the Dominican Republic

09:20 67.5 TIBBELS, A.E.*, MORENO, A., MCCCRACKEN, G.F.; Local Scale Population Structure of the Common Vampire Bat (*Desmodus rotundus*).

09:40 67.6 SCHIZAS, N.V, BROWNE, W.E.; The genetic population structure of Caribbean populations of the banded coral shrimp *Stenopus hispidus*

10:20 67.7 (DVM) BUTLER, MA, KING, AA; OUCH! an improved method for phylogenetic tests of adaptive evolution

10:40 67.8 KOEPFLI, K.-P., GOMPPPER, M.E., EIZIRIK, E., HO, C.-C., LINDEN, L., MALDONADO, J.E.; Molecular Phylogeny Reveals Extensive Morphological Parallelism in the Procyonidae (Mammalia: Carnivora)

11:00 67.9 (DSEB) GATESY, J.*, DEMERE, T., MCGOWEN, M., BERTA, A.; Stepwise Evolution of Filter Feeding in Baleen Whales

11:20 67.10 BUCKLEY, D., BONETT, R. M., WAKE, M. H.; Evolution of Viviparity and Speciation Patterns in Vertebrates

**68 (Room Emerald) Sensory Biology**

*Co-chairs: R. Wyeth & R. Cooper*

08:00 68.1 (DAB) FUXJAGER, M.J., MANGIAMELE, L.A., DAVIDOFF, K.R.B., LOHMANN, K.J.; Effects of the Magnetic Environment of Sea Turtle Nests on Magnetic Orientation Behavior in Hatchlings

08:20 68.2 (DNB) WYETH, Russell C.; Modeling navigation in the sea slug *Tritonia diomedea*: strategies for finding odor sources in variable flow.

08:40 68.3 (DAB) MORA, C.V., JOHNSEN, S., LOHMANN, K.J.; Detection Of Polarized Light By Loggerhead Sea Turtles (*Caretta caretta*)

Stress in urban songbirds: adaptation to life in the city?

09:00 70.4 (DCPB) WANG, S.W.*, KITAISKAIA, E.V., HATCH, S.A., IVERSON, S.J., KITAYSKY, A.S.; Diet affects the adrenocortical function in northern fulmars (*Fulmarus glacialis*).

09:20 70.5 (DCE) BUSCH, D. Shallin, WINGFIELD, John C.; Reproductive endocrinology of the song wren (*Cyphorhinus phaeocephalus*), a resident bird of the lowland tropics

09:40 70.6 (DCE) BREUNER, CW, CORNELIUS, JM, HAHN, TP; Androgens and arrival biology in a migratory songbird

**71 (Room Scotland C ) Bioindicators/Pollution**

*Chair: H. Laufer*

10:20 71.1 (DEE) SPEAR, E., ELLIOTT, J.K., WYLIE-ECHEVERRIA, S.; Using the sulfide-oxidizing bacterium *Beggiatoa* as an indicator of inhibiting levels of hydrogen sulfide for *Zostera marina*

10:40 71.2 (DDCB) LAUFER, Hans, DEMIR, N, PAN, X, STUART, J, KOEHN, U; Shell Disease in the Lobster May be Related to Alkylphenols

11:00 71.3 GAVAND, M.*, MCCLINTOCK, J.B., AMSLER, C.D., PETERS, R.W.; The use of sonication and advanced chemical oxidants as mechanisms to eradicate macroinvertebrates in ballast water under static and continuous flow regimes

11:20 71.4 (DAB) WIDDER, P.D., BIDWELL, J.R.; Tadpole Swim Speed and Organophosphate Pesticide Exposure

11:40 71.5 (DCE) PETERSON, J.D.*, ASHE, V.A., MENDONCA, M.T.; Sublethal effects of coal combustion residues on Southern Leopard Frog (*Rana sphenocephala*) growth and corticosterone content throughout metamorphosis

**72 (Room Ireland A) Tetrapod Locomotion**

*Chair: K. Autumn*

08:00 72.1 (DVM) BERGMANN, P.J.*, IRSCHICK, D.J.; The temperature-dependence of clinging and sprinting ability in day geckos.
08:20 72.2 VANHOODYDONCK, B., HERREL, A., IRSCHICK, D.J.; Effects of substrate diameter on acceleration capacity in Anolis lizards

08:40 72.3 (DVM) DITTMORE, A., STRATTON, T., KELLY, T., SCHRODER, K., GEISLER, B., AUTumn, K.; Why geckos don't fall off ceilings

09:00 72.4 (DVM) AUTumn, K.; Anti-adhesive properties of gecko setae

09:20 72.5 (DVM) PEATTIE, A M., CORDER, A. B., FULL, R. J.; Effect of Morphological Variation on Single Seta Force in Geckos

09:40 72.6 (DEE) ZANI, Peter A., JONES, Trevor D.; Effect of reproductive burden on endurance in side-blotched lizards

10:20 72.7 (DVM) SULLIVAN, C.; Varanus, Alligator, and the diversity of non- parasagittal locomotion

10:40 72.8 (DVM) SCALES, J.A., BUTLER, M.A.; Force Production During Acceleration in Gravid Iguanas

11:00 72.9 (DVM) REILLY, Stephen M., MCELROY, Eric J.; Tuataras and salamanders show that walking and running mechanics are ancient features of tetrapod locomotion

11:20 72.10 (DVM) ASTLEY, H. C.*, LOCHETTO, S. M., MOSKALIK, B., JAYNE, B. C.; Climbing without limbs: Arboreal locomotion of snakes

11:40 72.11 (DVM) RICHARDS, Christopher T., BIEWENER, Andrew A.; Measuring muscle power in vivo and in vitro: Identifying mechanisms by which power is modulated in the Xenopus laevis plantaris muscle during swimming

73 (Room Ireland B) Feeding and Flow III

Chair: D. Coughlin

08:00 73.1 (DVM) COUGHLIN, DJ, CARROLL, AM; in vitro Estimates of Power Output by Epaxial Muscle During Feeding in Bass

08:20 73.2 (DVM) NAUWELAERTS, S, WILGA, C.D., SANFORD, C.P., LAUDER, G.V.; Substrate Increases Suction Feeding Effectiveness In Bamboo Sharks

08:40 73.3 (DVM) PACE, C. M., GIBB, A. C.; Feeding kinematics of the pike killifish, Belonesox belizanus, a predominantly piscivorous poecilid.

09:00 73.4 (DVM) SAMARCO, Thomas/ J., TURINGAN, Ralph/ G.; Intraspecific Variation in Scaling of Prey Capture Kinematics in the teleost fish, Sciaenops ocellatus