66 (Room Diamond) Community Ecology

**Co-chairs: L. Belden & B. Sinclair**

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

08:20 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 Collembola

08:40 66.3 CATENAZZI, Alessandro; The Ulva connection: marine resources subsidize terrestrial consumers in coastal Peru

09:00 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

09:20 66.5 BARTON, B. T., ROTH, J. D.; Sea turtle nest predators: Implications for community ecology

09:40 66.6 SLOAN, N. J.B., GOODFRIEND, E., JOHNSON, K.B.; Zooplankton Abundance and Distribution in Tidal Marshes Impounded for Mosquito Control

09:40 66.7 (DEE) BARTHELL, J. F.*, THORP, R. W., MASON, C., GARVIN, E., JOHNSON, E., WELLS, H.; An Island Ecosystem after Honey Bees: Is a Noxious Weed now Competing for Native Pollinators?

10:20 66.8 (DEE) WALLACE, B.P., SEMINOFF, J.A., KILHAM, S.S., SPOTILA, J.R., DUTTON, P.H.; Leatherback turtles as oceanographic indicators: stable isotope analyses reveal a trophic dichotomy between ocean basins

10:40 66.9 (DAB) FULLER, R.; Testing the assumptions of the sensory bias model

11:00 66.10 (DAB) BARIMO, J.F. *, MCDONALD, M.D., WASLH, P.J.; The influence of photoperiod on pulsatile urea excretion in toadfish (Opsanus beta)

67 (Room Sapphire) Population Genetics and Adaptation

**Chair: B. Wallace**

08:00 67.1 (DEE) HRANITZ, J.M., MELICHERCIK, M.J., BAIRD, T.A.; The Effective Population Size of a Colony of Collared Lizards: Another Look After Three Generations

08:20 67.2 (DIZ) MEDEIROS, Matthew J; Repeated evolution of flightlessness in cave-dwelling moths.


09:00 68.4 (DNB) THEOBALD, J C, WARRANT, E J; Neural summation in night flying sweat bees

09:20 68.5 (DEE) BAKKEN, George S., KROCHMAL, Aaron R.; Pitviper thermal vision: An optical analysis of spatial resolution and signal strength

09:40 68.6 (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

10:40 68.8 (DAB) WALLACE, B.P. , SEMINOFF, J.A., KILHAM, S.S., SPOTILA, J.R., DUTTON, P.H.; Leatherback turtles as oceanographic indicators: stable isotope analyses reveal a trophic dichotomy between ocean basins

11:00 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?

11:20 69.4 CASPER, AF, JOHNSON, LE; Patterns of microevolution and displacement in a rapidly expanding species: Insights from comparative physiological ecology of zebra and quagga mussels

69 (Room Scotland B) Complementary to EcoPhysiology and Conservation Symposium

**Chair: B. Wallace**

10:20 69.1 (DEE) WALLACE, B.P., SEMINOFF, J.A., KILHAM, S.S., SPOTILA, J.R., DUTTON, P.H.; Leatherback turtles as oceanographic indicators: stable isotope analyses reveal a trophic dichotomy between ocean basins

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70 (Room Scotland C) Environmental Endocrinology

**Chair: C. Breuner**

08:00 70.1 (DCE) URANO, Akihisa, MORIYA, Shogo, SHOGO, Shuji; Oligonucleotide DNA Microarray for Haplotype Analysis in Field Endocrinology

08:20 70.2 STORRS, Sara I., SEMILITSCH, Raymond D.; Is hermaphroditism natural in amphibians?: A case of contaminated controls

08:40 70.3 (DCE) BONIER, Frances, MARTIN, Paul R., JENSEN, Jay P., FOLTZ, Sarah, WINGFIELD, John C.; Callinectes sapidus

71 (Room Scotland D) Comparative Genomics

**Chair: M. Butler**

08:00 71.1 (DCE) Urano, A., Moriya, S., Shogo, S.; Oligonucleotide DNA microarray for haplotype analysis in field endocrinology

08:20 71.2 (DCE) Storrs, S.I., Semilitsch, R.D.; Is hermaphroditism natural in amphibians?: A case of contaminated controls

08:40 71.3 (DCE) Bonier, F., Martin, P.R., Jensen, J.P., Foltz, S., Wingfield, J.C.; Callinectes sapidus
09:00 67.4 (DEE) GIFFORD, M. E.*, LARSON, A.; Consequences of recent secondary contact between lineages of Ameiva chrysolaema in the Dominican Republic


09:40 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, MÁ, 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 (Cypirhinus 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., WYLLIE-ECHEVERRIA, S.; Using the sulfide-oxidizing bacterium Beggiatoua 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 sphenecophala) 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 VANHOOYDONCK, 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

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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 poeciliid.

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*