

**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  
**10:20 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?  
**10:40 66.8 (DEE)** FENOLIO, D.B., MOREIRA, L.A., SILVA, H.L.R., DA SILVA, N.J. Jr.; A preliminary report on the importance of termite mounds to the herpetofauna of the Cerrado of Central Brazil  
**11:00 66.9** FAUTH, J.E., OLESON, R., KAUP, D.J., MALONE, L.C., CLARKE, T.L.; Using crowd-control simulations to predict the behavior of motile organisms  
**11:20 66.10 (DEE)** MCCOY, Michael W, BOLKER, Ben, OSENBERG, Craig; Predator induced phenotypic plasticity: influence of prey size, density, and experience  
**11:40 66.11 (DEE)** BELDEN, L.K.; Impact of eutrophication on wood frog tadpoles infected with trematode cercariae

**67 (Room Sapphire) Population Genetics and Adaptation**

*Co-chairs: N. Schizas & M. Butler (10:30 am)*

- 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.  
**08:40 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

- 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)** 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*)

**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  
**10:40 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  
**11:40 69.5** WELLS, S.L., MCCONAUGHA, J.R.; Fecundity and Reproductive Energetics in the Chesapeake Bay Blue Crab, *Callinectes sapidus*

**70 (Room Scotland C) Environmental Endocrinology**

*Chair: C. Breuner*

- 08:00 70.1 (DCE)** URANO, Akihisa, MORIYA, Shogo, ABE, Shuiti; Oligonucleotide DNA Microarray for Haplotype Analysis in Field Endocrinology  
**08:20 70.2** STORRS, Sara I., SEMLITSCH, 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.;

**09:00 67.4** (DEE) GIFFORD, M. E.\*, LARSON, A.; Consequences of recent secondary contact between lineages of *Ameiva chrysolema* in the Dominican Republic

**09:20 67.5** TIBBELS, A.E.\*, MORENO, A., MCCRACKEN, 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., GOMPPER, 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. Shalin, 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., WYLLIE-ECHEVERRIA, S.; Using the sulfide-oxidizing bacterium *Beeggiatoa* 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** 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

### 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 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*