### 66 (Room Diamond) Community Ecology

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>66.1</td>
</tr>
<tr>
<td>08:20</td>
<td>66.2</td>
</tr>
<tr>
<td>08:40</td>
<td>66.3</td>
</tr>
<tr>
<td>09:00</td>
<td>66.4</td>
</tr>
<tr>
<td>09:20</td>
<td>66.5</td>
</tr>
<tr>
<td>09:40</td>
<td>66.6</td>
</tr>
</tbody>
</table>

- **WILLIAMS, R. L., JOHNSON, K. B.;** Seasonal Variation, Diet and Prey Selection of the Ctenophore *Mnemiopsis leidyi* in a Subtropical Estuary
- **SINCLAIR, BJ, KLOK, CJ, TERBLANCHE, JS, SCOTT, MB, CHOWN, SL;** Physiological constraints on the small-scale distribution of three species of Antarctic Collembola
- **CATENAZZI, Alessandro;** The *Ulva* connection: marine resources subsidize terrestrial consumers in coastal Peru
- **ROTH, J.D., WIESEL, I., DREA, C.M.;** Variation in seal consumption by brown hyenas in the Namib desert estimated using stable isotopes
- **BARTON, B. T., ROTH, J. D.;** Sea turtle nest predators: Implications for community ecology
- **SLOAN, N. J.B., GOODFRIEND, E., JOHNSON, K.B.;** Zooplankton Abundance and Distribution in Tidal Marshes Impounded for Mosquito Control
- **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?
- **MEDEIROS, Matthew J;** Repeated evolution of flightlessness in cave-dwelling moths.
- **MCCOY, Michael W, BOLKER, Ben, OSENBERG, Craig;** Predator induced phenotypic plasticity: influence of prey size, density, and experience
- **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
- **BARDHELL, 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?
- **GRACE, M.S., VANDYKE, J.U.;** Infrared Imaging in Pit Vipers: Complex Behavior from a Thermal Contrast Detector
- **FERNANDEZ, A. A., MORRIS, M. R.;** Pre-existing sensory bias in the Poeciliidae?: additional insight from two *Xiphophorus* species
- **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
- **DUNBAR, M.B., TOMASI, T.E.*;** Hibernation Energetics of Eastern Red Bats (*Lasiurus borealis*)
- **WELLS, S.L., MCCONAUGHA, J.R.;** Fecundity and Reproductive Energetics in the Chesapeake Bay Blue Crab, *Callinectes sapidus*

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

**Chair: B. Wallace**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:20</td>
<td>69.1</td>
</tr>
<tr>
<td>10:40</td>
<td>69.2</td>
</tr>
<tr>
<td>11:00</td>
<td>69.3</td>
</tr>
<tr>
<td>11:20</td>
<td>69.4</td>
</tr>
<tr>
<td>11:40</td>
<td>69.5</td>
</tr>
</tbody>
</table>

- **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
- **DUNBAR, M.B., TOMASI, T.E.*;** Hibernation Energetics of Eastern Red Bats (*Lasiurus borealis*)
- **WELLS, S.L., MCCONAUGHA, J.R.;** Fecundity and Reproductive Energetics in the Chesapeake Bay Blue Crab, *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

09:20 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


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


68 (Room Emerald) Sensory Biology

Co-chairs: R. Wyeth & R. Cooper


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 (*Clyorphorinus 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 *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* Al*ligator*, 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*