



Cover: Artistic representation of the Anthropocene, as experienced in Ontario Canada. Part of the promotional material for the 2023 meeting of the Ontario Ecology, Evolution, and Ethology Colloquium for the theme 'Surviving the Anthropocene' (<https://oe3c2023.com/>). The scene is a mix of muted colours, scattered with different forms of pollution and waste. Among the litter are viruses, microbes, and even garlic mustard (*Alliaria petiolata*), an invasive plant in Ontario. Art by Curtis Lubbe, member of the OE3C 2023 Organizing Committee (<https://ecoevocommunity.nature.com/users/curtis-lubbe>). Creative Commons Attribution 4.0 International license.

MEETING REVIEWS

Ecology, ethology, and evolution in the Anthropocene

Sanita Lima, M., Lubbe, F. C., Dias dos Santos, S. H., Saruhashi, S., Maglov, J. M., Moreira do Nascimento, J. and Coulson, S. Z.

bio060175

An ode to multidisciplinary: the 'Bacteria Orchestrate Life' international meeting

Jemaà, M.

bio060304

REVIEW

Interdisciplinary public engagement: untapped potential?

Stott, J. and Vicente, C. C.

bio060108

RESEARCH ARTICLES

Discontinuous, biphasic, ontogenetic shifts in the metabolic allometry of aquatic animals?

Packard, G. C.

bio060317

CDX2 dose-dependently influences the gene regulatory network underlying human extraembryonic mesoderm development

Bulger, E. A., McDevitt, T. C. and Bruneau, B. G.

bio060323

Bees display limited acclimation capacity for heat tolerance

Gonzalez, V. H., Herbison, N., Robles Perez, G., Panganiban, T., Haefner, L., Tscheulin, T., Petanidou, T. and Hranitz, J.

bio060179

The relationship between mitochondrial respiration, resting metabolic rate and blood cell count in great tits

Thoral, E., García-Díaz, C. C., Persson, E., Chamkha, I., Elmér, E., Ruuskanen, S. and Nord, A.

bio060302

Manipulation of the nuclear envelope-associated protein SLAP during mammalian brain development affects cortical lamination and exploratory behavior

Mestres, I., Atabay, A., Escolano, J.-C., Arndt, S., Schmidtke, K., Einsiedel, M., Patsonis, M., Bolaños-Castro, L. A., Yun, M., Bernhardt, N., Taubenberger, A. and Calegari, F.

bio060359

Sustained effects of developmental exposure to inorganic arsenic on hepatic *gsto2* expression and mating success in zebrafish

Koomson, A. A., Delaney, P., Khan, N. and Sadler, K. C.

bio060094

Deterministic nuclear reprogramming of mammalian nuclei to a totipotency-like state by Amphibian meiotic oocytes for stem cell therapy in humans

Wen, M.-H., Barbosa Triana, H., Butler, R., Hu, H.-W., Dai, Y.-H., Lawrence, N., Hong, J.-J., Garrett, N., Jones-Green, R., Rawlins, E. L., Dong, Z., Koziol, M. J. and Gurdon, J. B.

bio060011

METHODS & TECHNIQUES

Computational tools for quantifying actin filament numbers, lengths, and bundling

Sherer, L. A., Mahanta, B. and Courtemanche, N.

bio060267

FIRST PERSON

First person – Elisa Thoral

bio060392

First person – Emily Bulger

bio060390

First person – Ming-Hsuan Wen

bio060260

First person – Abigail Ama Koomson and Patrice Delaney

bio060367