Pictured are eusocial snapping shrimp, Synalpheus regalis. Solomon T. C. Chak et al. performed genomic and phylogenetic analyses on 33 species of Synalpheus to explore the relationship between the shrimps’ genome architecture and social structures. The authors found that eusocial snapping shrimp species have larger genomes containing more transposable elements compared with noneusocial species. The results suggest that the development of sociality can influence genome size and composition through demographic changes. See the article by Chak et al., e2025051118.

Image credit: J. Emmett Duffy (photographer).
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Unifying deterministic and stochastic ecological dynamics via a landscape-flux approach
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Inactivation of common airborne antigens is associated with larger genomes and an accumulation of transposable elements
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The intra-S phase checkpoint directly regulates replication elongation to preserve the integrity of stalled replisomes
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Middle East respiratory syndrome coronavirus Spike protein variants exhibit geographic differences in virulence
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PLANT BIOLOGY

e2102544118  TMK1-based auxin signaling regulates abscisic acid responses via phosphorylating ABI1/2 in Arabidopsis
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e2106360118  TLR4/MD-2 activation by a synthetic agonist with no similarity to LPS
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e2108930118  New class of transcription factors controls flagellar assembly by recruiting RNA polymerase II in Chlamydomonas