



Cover: Head view of Texas Horned Lizard, *Phrynosoma cornutum* highlighting their sharp extending horns from a study by Fertschai et al. (2021). Image credit: Wade C. Sherbrooke. Image licensed under a Creative Commons Attribution 4.0 International license.

RESEARCH ARTICLES

Root system architecture analysis in *Mesembryanthemum crystallinum* (ice plant) seedlings reveals characteristic root halotropic response

Otsuka, M., Kato, H., Yamada, S., Nakayama, T., Sakaoka, S., Morikami, A. and Tsukagoshi, H.

bio052142

Avoiding being stung or bitten – prey capture behaviors of the ant-eating Texas horned lizard (*Phrynosoma cornutum*)

Fertschai, I., Sherbrooke, W. C., Ott, M. and Chagnaud, B. P.

bio058453

The physiological reaction of Siberian hamsters (*Phodopus sungorus*, Cricetidae) to chemical signals of perspective mating partners before and during courtship

Kondratyuk, E. Y., Zadubrovskiy, P. A., Zadubrovskaya, I. V. and Sakharov, A. V.

bio057570

A *Caenorhabditis elegans* behavioral assay distinguishes early stage prostate cancer patient urine from controls

Thompson, M., Saravia Feria, N., Yoshioka, A., Tu, E., Civitci, F., Estes, S. and Wagner, J. T.

bio057398

Spatial odor discrimination in the hawkmoth, *Manduca sexta* (L.)

Parthasarathy, K. and Willis, M. A.

bio058649

The thermal dependence and molecular basis of physiological color change in *Takydromus septentrionalis* (Lacertidae)

Guo, K., Zhong, J., Zhu, L., Xie, F., Du, Y. and Ji, X.

bio058503

Cex1 is a component of the COPI intracellular trafficking machinery

Enkler, L., Rinaldi, B., de Craene, J. O., Hammann, P., Nureki, O., Senger, B., Friant, S. and Becker, H. D.

bio058528

Interdomain interactions regulate the localization of a lipid transfer protein at ER-PM contact sites

Basak, B., Krishnan, H. and Raghu, P.

bio057422

A zebrafish forward genetic screen identifies an indispensable threonine residue in the kinase domain of PRKD2

Giardoglou, P., Bournele, D., Park, M., Kanoni, S., Dedoussis, G. V., Steinberg, S. F., Deloukas, P. and Beis, D.

bio058542

A glucose-supplemented diet enhances gut barrier integrity in *Drosophila*

Galenza, A. and Foley, E.

bio056515

LIM Homeobox 9 knockdown by morpholino does not affect zebrafish retinal development

Guo, R., Li, F., Lu, M., Ge, K., Gan, L. and Sheng, D.

bio056382

Conditional targeting of phosphatidylserine decarboxylase to lipid droplets

Kumar, S., Chitraju, C., Farese Jr, R. V., Walther, T. C. and Burd, C. G.

bio058516

Biophysical and biochemical properties of Deup1 self-assemblies: a potential driver for deuterosome formation during multiciliogenesis

Yamamoto, S., Yabuki, R. and Kitagawa, D.

bio056432

METHODS & TECHNIQUES

Integrated analysis of cell shape and movement in moving frame

Heryanto, Y. D., Cheng, C.-Y., Uchida, Y., Mimura, K., Ishii, M. and Yamada, R.

bio058512

The SARS-CoV-2 receptor and other key components of the Renin-Angiotensin-Aldosterone System related to COVID-19 are expressed in enterocytes in larval zebrafish

Postlethwait, J. H., Massaquoi, M. S., Farnsworth, D. R., Yan, Y.-L., Guillemin, K. and Miller, A. C.

bio058172

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