



**Cover:** A photo of Hardwicke's spiny-tailed lizard, *Saara hardwickii*, in the Thar desert of India from a paper by Avichal Tatu, Sutirtha Dutta and Maria Thaker. Photo credit: Avichal Tatu. [Creative Commons Attribution 4.0 International license](#).

## MEETING REVIEWS

10th European Calcium Society symposium: The Ca<sup>2+</sup>-signaling toolkit in cell function, health and disease

**Speelman-Rooms, F., Vanmunster, M., Coughlan, A., Hinrichs, M., Pontisso, I., Barbeau, S., Parpaite, T., Bultynck, G. and Brohus, M.**

bio060357

Exploring stem cell frontiers: definitions, challenges, and perspectives for regenerative medicine

**Dardano, M., Lebek, T. and Tsang, I. H. C.**

bio060245

## RESEARCH ARTICLES

SRRM2 splicing factor modulates cell fate in early development

**Carvalho, S., Zea-Redondo, L., Tang, T. C. C., Stachel-Braum, P., Miller, D., Caldas, P., Kukalev, A., Diecke, S., Grosswendt, S., Grosso, A. R. and Pombo, A.**

bio060415

Machine learning models reveal distinct disease subgroups and improve diagnostic and prognostic accuracy for individuals with pathogenic *SCN8A* gain-of-function variants

**Hack, J. B., Watkins, J. C. and Hammer, M. F.**

bio060286

DeepLabCut-based daily behavioural and posture analysis in a cricket

**Hayakawa, S., Kataoka, K., Yamamoto, M., Asahi, T. and Suzuki, T.**

bio060237

Seed preference is only weakly linked to seed-type-specific feeding performance in a songbird

**Andries, T., Müller, W. and Van Wassenbergh, S.**

bio060353

P2X<sub>7</sub> regulates ependymo-radial glial cell proliferation in adult *Danio rerio* following spinal cord injury

**Stefanova, E. E., Dychiao, J. V. T., Chinn, M. C., Borhani, M. and Scott, A. L.**

bio060270

Cdc48 and its co-factor Ufd1 extract CENP-A from centromeric chromatin and can induce chromosome elimination in the fission yeast *Schizosaccharomyces pombe*

**Nakase, Y., Murakami, H., Suma, M., Nagano, K., Wakuda, A., Kitagawa, T. and Matsumoto, T.**

bio060287

Distinct features of the regenerating heart uncovered through comparative single-cell profiling

**Carey, C. M., Hollins, H. L., Schmid, A. V. and Gagnon, J. A.**

bio060156

Hotter deserts and the impending challenges for the spiny-tailed Lizard in India

**Tatu, A., Dutta, S. and Thaker, M.**

bio060150

Efficient genome editing using modified Cas9 proteins in zebrafish

**Dorner, L., Stratmann, B., Bader, L., Podobnik, M. and Irion, U.**

bio060401

Clearance rates of sand-burrowed and laterally pressed unburrowed Pismo clam *Tivela stultorum* (Mawe 1823) in a laboratory open-flow system

**Zepeda, E., Garcia-Esquivel, Z., González-Gómez, M. A., Díaz, F. and Castellanos-Martinez, S.**

bio060268

## FIRST PERSON

First person – Joshua Hack

bio060410