



Cover: This image from a paper by Jin and colleagues. illustrates that gap junctions form between some but not all neighbouring cells in the nervous system. Gap junctions allow direct exchange of small molecules between two cells, and this is illustrated by neighbouring *Caenorhabditis elegans* with the same colour. Not all neighbouring cells form gap junctions, resulting in worms with several different colours in this illustration. Image licensed under a Creative Commons Attribution 4.0 International license

REVIEW

Gap junctions: historical discoveries and new findings in the *Caenorhabditis elegans* nervous system
Jin, E. J., Park, S., Lyu, X. and Jin, Y.
bio053983

RESEARCH ARTICLES

Effect of serotonin modulation on dystrophin-deficient zebrafish
Spinazzola, J. M., Lambert, M. R., Gibbs, D. E., Conner, J. R., Krikorian, G. L., Pareek, P., Rago, C. and Kunkel, L. M.
bio053363

Functionally distinct roles for T and Tbx6 during mouse development
Wehn, A. K., Farkas, D. R., Sedlock, C. E., Subedi, D. and Chapman, D. L.
bio054692

Vps54 regulates *Drosophila* neuromuscular junction development and interacts genetically with Rab7 to control composition of the postsynaptic density
Patel, P. H., Wilkinson, E. C., Starke, E. L., McGimsey, M. R., Blankenship, J. T. and Barbee, S. A.
bio053421

Vardenafil increases intracellular accumulation of the most prevalent mutant cystic fibrosis transmembrane conductance regulator (CTFR) in human bronchial epithelial cells
Dhooghe, B., Bouzin, C., Mottais, A., Hermans, E., Delion, M., Panin, N., Noel, S. and Leal, T.
bio053116

Compartment and cell-type specific hypoxia responses in the developing *Drosophila* brain
Baccino-Calace, M., Prieto, D., Cantera, R. and Egger, B.
bio053629

Water transport mediated by murine urea transporters: implications for urine concentration mechanisms
Kabutomori, J., Pina-Lopes, N. and Musa-Aziz, R.
bio051805

The protective effects of human milk-derived peptides on the pancreatic islet biology
Singh, A., Enjapoori, A. K., Gibert, Y. and Dwyer, K. M.
bio049304

Comparative interactomics analysis reveals potential regulators of $\alpha6\beta4$ distribution in keratinocytes
te Molder, L., Hoekman, L., Kreft, M., Bleijerveld, O. and Sonnenberg, A.
bio054155

FIRST PERSON

First person to Watch – E. Jennifer Jin, Seungmee Park and Xiaohui Lyu
bio055780

First person – Martín Baccino-Calace
bio055483

First person – Jessica Kabutomori
bio054981