



Cover: Immunocytochemical staining of cortical neurons derived from induced pluripotent stem cells of spinocerebellar ataxia type 16 patients. Neurons are positively stained for β -III-tubulin (green) and the cortical layer V marker CTIP2 (red). See article by Schuster et al. (dmm045096). Cover image is licensed under a Creative Commons Attribution 4.0 International license.

AT A GLANCE

Modeling neurodegeneration in *Caenorhabditis elegans*

Caldwell, K. A., Willicott, C. W. and Caldwell, G. A.

dmm046110

REVIEW

Cellular and animal models for facioscapulohumeral muscular dystrophy

DeSimone, A. M., Cohen, J., Lek, M. and Lek, A.

dmm046904

RESEARCH ARTICLES

Ammonia inhibits energy metabolism in astrocytes in a rapid and glutamate dehydrogenase 2-dependent manner

Drews, L., Zimmermann, M., Westhoff, P., Brilhaus, D., Poss, R. E., Bergmann, L., Wiek, C., Brenneisen, P., Piekorz, R. P., Mettler-Altmann, T., Weber, A. P. M. and Reichert, A. S.

dmm047134

Cells expressing PAX8 are the main source of homeostatic regeneration of adult mouse endometrial epithelium and give rise to serous endometrial carcinoma

Fu, D.-J., De Micheli, A. J., Bidarimath, M., Ellenson, L. H., Cosgrove, B. D., Flesken-Nikitin, A. and Nikitin, A. Y.

dmm047035

Progenitor death drives retinal dysplasia and neuronal degeneration in a mouse model of ATRIP-Seckel syndrome

Matos-Rodrigues, G. E., Tan, P. B., Rocha-Martins, M., Charlier, C. F., Gomes, A. L., Cabral-Miranda, F., Grigaravicius, P., Hofmann, T. G., Frappart, P.-O. and Martins, R. A. P.

dmm045807

A novel hypomorphic allele of *Spag17* causes primary ciliary dyskinesia phenotypes in mice

Abdelhamed, Z., Lukacs, M., Cindric, S., Omran, H. and Stottmann, R. W.

dmm045344

Chronic administration of P2X7 receptor antagonist JNJ-47965567 delays disease onset and progression, and improves motor performance in ALS SOD1^{G93A} female mice

Ruiz-Ruiz, C., García-Magro, N., Negro, P., Avendaño, C., Bhattacharya, A., Ceusters, M. and García, A. G.

dmm045732

An HIV-Tat inducible mouse model system of childhood HIV-associated nephropathy

Tang, P., Das, J. R., Li, J., Yu, J. and Ray, P. E.

dmm045641

Machine learning discriminates a movement disorder in a zebrafish model of Parkinson's disease

Hughes, G. L., Lones, M. A., Bedder, M., Currie, P. D., Smith, S. L. and Pownall, M. E.

dmm045815

CHIP mutations affect the heat shock response differently in human fibroblasts and iPSC-derived neurons

Schuster, S., Heuten, E., Velic, A., Admard, J., Synofzik, M., Ossowski, S., Macek, B., Hauser, S. and Schöls, L.

dmm045096

The SDHB Arg230His mutation causing familial paraganglioma alters glycolysis in a new *Caenorhabditis elegans* model

Saskó, É., Hujber, Z., Nyíró, G., Likó, I., Mátyási, B., Petővári, G., Mészáros, K., Kovács, A. L., Patthy, L., Supekár, S., Fan, H., Sváb, G., Tretter, L., Sarkar, A., Nazir, A., Sebestyén, A., Patócs, A., Mehta, A. and Takács-Vellai, K.

dmm044925

FIRST PERSON

First person – Zakia Abdelhamed

dmm047852

First person – Gabriel Matos-Rodrigues

dmm047423

First person – Gideon Hughes

dmm047415

First person – Éva Saskó

dmm047407