ARTICLES

HSC20 interacts with frataxin and is involved in iron–sulfur cluster biogenesis and iron homeostasis
Y. Shan and G. Cortopassi

An eQTL-based method identifies CTTN and ZMAT3 as pemetrexed susceptibility markers
Y. Wen, E.R. Gamazon, W.K. Bleibel, C. Wing, S. Mi, B.E. McIlwee, S.M. Delaney, S. Duan, H.K. Im, and M.E. Dolan

GM130 gain-of-function induces cell pathology in a model of lysosomal storage disease

Mutations in genes encoding the glycine cleavage system predispose to neural tube defects in mice and humans

Polyunsaturated fatty acid levels in blood during pregnancy, at birth and at 7 years: their associations with two common FADS2 polymorphisms
C.D. Steer, J.R. Hibbelsn, J. Golding, and G. Davey Smith

Phenotype-specific effect of chromosome 1q21.1 rearrangements and GJA5 duplications in 2436 congenital heart disease patients and 6760 controls

Lafora bodies and neurological defects in malin-deficient mice correlate with impaired autophagy

Mutations of ATIC and ADSL affect purinosome assembly in cultured skin fibroblasts from patients with AICA-ribosiduria and ADSL deficiency
V. Baesova, V. Skopova, J. Sikora, D. Patterson, J. Sovova, M. Zikanova, and S. Kmoch

LMNA variants cause cytoplasmic distribution of nuclear pore proteins in Drosophila and human muscle

Microbiomic subprofiles and MDR1 promoter methylation in head and neck squamous cell carcinoma
G. Bebek, K.L. Bennett, P. Funchain, R. Campbell, R. Seth, J. Scharpf, B. Burkey, and C. Eng

Cut-like homeobox 1 and nuclear factor I/B mediate ENGRAILED2 autism spectrum disorder-associated haplotype function
J. Choi, M.R. Ababon, P.G. Matteson, and J.H. Millonig
**Distal enhancers upstream of the Charcot-Marie-Tooth type 1A disease gene PMP22**


**β1D chain increases α7β1 integrin and laminin and protects against sarcolemmal damage in mdx mice**

J. Liu, D.J. Milner, M.D. Boppart, R.S. Ross, and S.J. Kaufman

**Laforin and malin knockout mice have normal glucose disposal and insulin sensitivity**


**A systematic characterization of genes underlying both complex and Mendelian diseases**

W. Jin, P. Qin, H. Lou, L. Jin, and S. Xu

**A single administration of morpholino antisense oligomer rescues spinal muscular atrophy in mouse**


**ARX homeodomain mutations abolish DNA binding and lead to a loss of transcriptional repression**

C. Shoubridge, M. Huey Tan, G. Seiboth, and J. Gécz

**ASSOCIATION STUDIES ARTICLES**

**Post-genome wide association studies and functional analyses identify association of MPP7 gene variants with site-specific bone mineral density**


**A genome-wide association and gene–environment interaction study for serum triglycerides levels in a healthy Chinese male population**


**A genome-wide association study identifies locus at 10q22 associated with clinical outcomes of adjuvant tamoxifen therapy for breast cancer patients in Japanese**


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**Cover:** Localization of mutant lamin in Drosophila muscle. Body wall muscle from transgenic larvae expressing A-type lamin mutants was stained with phalloidin, which recognizes actin (magenta), DAPI, which stains DNA (blue), and anti-lamin C antibodies (green). Localization of amino acid substitution mutants N496I (top left), G489V (bottom left), V528P (top right) and M553R (bottom right) are shown. The substitutions were modeled after those identified in LMNA muscular dystrophy patients, N456I, G449V, L489P and W514, respectively. Note that three of the mutants cause abnormal lamin aggregation within the cytoplasm, while N496I exhibits a nuclear rimming pattern similar to that of wild type lamin. For further detail, see the article by Dialynas et al., pp. 1544–1556.