

## 2019 STAFF PUBLICATIONS

1. Abbeduto L, ..., **Brown WT**, Harvey DJ, **Adayev T**, **LaFauci G**, **Dobkins C**, Roberts JE: ASD comorbidity in fragile X syndrome: symptom profile and predictors of symptom severity in adolescent and young adult males. *J Autism Dev Disord* 2019; 49:960–977. [DOI: 10.1007/s10803-018-3796-2]
2. Chadman KK, Fernandes S, DiLiberto E, Feingold R: Do animal models hold value in Autism spectrum disorder (ASD) drug discovery? *Expert Opin Drug Discov* 2019; 14:727-734. [DOI: 10.1080/17460441.2019.1621285]
3. **Chen Y**, **Yu Q**, **Gong CX**: Molecular connection between diabetes and dementia. *Adv Exp Med Biol* 2019; 1128:103-131. [DOI: 10.1007/978-981-13-3540-2\_6]
4. Cheng H, Gottlieb L, **Marchi E**, ..., Mihajlovic L, Marmorstein R, **Lyon G**: Phenotypic and biochemical analysis of an international cohort of individuals with variants in NAA10 and NAA15. *Hum Molec Genet* 2019. Accepted May 20, 2019. [DOI: 10.1093/hmg/ddz111]
5. Chu D, Li L, Jiang Y, Tan J, Ji J, ..., **Liu F**: Excess folic acid supplementation before and during pregnancy and lactation activates *Fos* gene expression and alters behaviors in male mouse offspring. *Front Neurosci* 2019; 13:313. [DOI: 10.3389/fnins.2019.00313]
6. Chu D, **Liu F**: Pathological changes of tau related to Alzheimer's disease. *ACS Chem Neurosci* 2019; 10:931-944. [DOI: 10.1021/acscchemneuro.8b00457]
7. Dong X, **Zhong N**: Pathogenic roles of microRNA in the development of asthma. In *Asthma and Lung Biology*. Accepted March 18, 2019. [DOI: 10.5772/intechopen.85922]
8. **Gu J**, Chu D, Jin N, **Chen F**, **Liu F**: Cyclic AMP-dependent protein kinase phosphorylates TDP-43 and modulates its function in tau mRNA processing. *J Alzheimers Dis* 2019. Accepted. [DOI 10.3233/JAD-190368]

9. He XY, **Dobkin C**, Yang SY: 17 $\beta$ -Hydroxysteroid dehydrogenases and neurosteroid metabolism in the central nervous system. *Mol Cell Endocrinol* 2019; 489:92-97. [DOI: 10.1016/j.mce.2018.10.002]]
10. Hobel CJ, Dolan SM, Hindoyan NA, **Zhong N**, Menon R: History of the establishment of the Preterm Birth international collaborative (PREBIC). *Placenta* 2019; 79:3–20. Review. [DOI: 10.1016/j.placenta.2019.03.008]
11. Hsieh TC, Mensah MA, ..., **Lyon GJ**, ..., Krawitz PM: PEDIA: prioritization of exome data by image analysis. *Genet Med* 2019 Jun 5. Epub ahead of print. [DOI: 10.1038/s41436-019-0566-2]
12. Huang L, Ying H, Chen Z, Zhu Y, ..., Chen D, **Zhong N**: Down-regulation of DKK1 and Wnt1/ $\beta$ -catenin pathway by increased homeobox B7 resulted in cell differentiation suppression of intrauterine fetal growth retardation in human placenta. *Placenta* 2019; 80:27–35. [DOI: 10.1016/j.placenta.2019.03.001]
13. Iverson JM, Shic F, ..., **Gardner JM**, ..., Wolff JJ, Yirmiya N, Young GS: Early motor abilities in infants at heightened versus low risk for ASD: A Baby Siblings Research Consortium (BSRC) study. *J Abnorm Psychol* 2019; 128:69–80. [DOI: 10.1037/abn0000390]
14. **Li H, Dai CL, Gu JH, Peng S, Li J, Yu Q, Iqbal K, Liu F, Gong CX**: Intranasal administration of insulin reduces chronic behavioral abnormality and neuronal apoptosis induced by general anesthesia in neonatal mice. *Front Neurosci* 2019; 13:706. [DOI: 10.3389/fnins.2019.00706]
15. **Li L, Jiang Y, Hu W, Tung YC, Dai C, Chu D, Gong CX, Iqbal K, Liu F**: Pathological alterations of tau in Alzheimer's Disease and 3xTg-AD mouse brains. *Mol Neurobiol* 2019 Feb 8. Epub ahead of print. [DOI: 10.1007/s12035-019-1507-4]
16. Lyon G: From molecular understanding to organismal biology of N-terminal acetyltransferases. *Structure* 2019; 27:1053–1055. [DOI: 10.1016/j.str.2019.06.002]

17. **Lyon GJ, Marchi E**, Ekstein J, Meiner V, Hirsch Y, Scher S, Yang E, De Vivo DC, **Madrid R**, Li Q, Wang K, Haworth A, Chilton I, Chung WK, **Velinov M**: *VAC14* syndrome in two siblings with retinitis pigmentosa and neurodegeneration with brain iron accumulation. *CSHL Molecular Case Studies* 2019. In press.

18. McCune L, **Herr-Israel E**: Infant single words for dynamic events predict early verb meanings. *Cognitive Linguistics*. Accepted 2019.

19. **Miao J, Shi R, Li L, Chen F, Zhou Y, Tung YC, Hu W, Gong CX, Iqbal K, Liu F**: Pathological tau From Alzheimer's brain induces site-specific hyperphosphorylation and SDS- and reducing agent-resistant aggregation of tau *in vivo*. *Front Aging Neurosci* 2019; 11:34. [DOI: 10.3389/fnagi.2019.00034]

20. Nellåker C, Alkuraya FS, ..., **Lyon GJ**, ..., Van Dijck A, Van Esch H, Wilkie AOM: Enabling global clinical collaborations on identifiable patient data: The Minerva Initiative. *Front Genet* 2019. Accepted June 12, 2019. [DOI: 10.3389/fgene.2019.00611]

21. Nolin SL, **Glicksman A, Tortora N**, ..., **Dobkin C**, Latham GJ, Hadd AG: Expansions and contractions of the FMR1 CGG repeat in 5,508 transmissions of normal, intermediate, and premutation alleles. *Am J Med Genet A* 2019; 179:1148–1156. [DOI: 10.1002/ajmg.a.61165]

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23. **Park E**, El Idrissi A, **Schuller-Levis GB, Chadman KK**: Taurine partially improves abnormal anxiety in taurine deficient mice. *Adv Exp Med Biol* 2019;1 155:978–981.

24. **Ryan KL, Thompson L, Mendoza PA, Chadman KK**: Inbred strain preference in the BTBR T+ Itpr3tf/J mouse model of autism spectrum disorder: does the stranger mouse matter in social approach? *Autism Res* 2019. Accepted May 20, 2019. [DOI: 10.1002/aur.2158]

25. Tao X, Luo X, Pan J, Zhang M, Zhao X, Wang P, **Zhong N**: Identification of differentially expressed nonpeptide molecules with metabolomics approach in pregnancy-induced hypertension. *Akusherstvo I Ginekologiya/Obstet Gynecol* 2019; 5:90–101. (in Russian) [DOI: dx.doi.org/10.18565/aig.2019.5.90101]

26. Velinov M: Genomic copy number variations in the autism clinic-work in progress. *Front Cell Neurosci* 2019; 13:57. [DOI: 10.3389/fncel.2019.00057]

27. Zhang J, Peng L, Chang Q, Xu R, **Zhong N**, ..., Yu Y: Maternal obesity and risk of cerebral palsy in children: a systematic review and meta-analysis. *Dev Med Child Neurol* 2019; 61:31-38. doi: 10.1111/dmcn.13982. [DOI: 10.1111/dmcn.13982]

28. **Zhang Y, Wu F, Iqbal K, Gong CX, Hu W, Liu F**: Subacute to chronic Alzheimer-like alterations after controlled cortical impact in human tau transgenic mice. *Sci Rep* 2019; 9:3789. [DOI: 10.1038/s41598-019-40678-4]

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