

## DONGSHENG DUAN'S PUBLICATIONS

### Books

- 2011 — Muscle Gene Therapy: Methods and Protocols. Humana Press, New York, NY (Duan, D. editor)
- 2010 — Muscle Gene Therapy, Springer, New York, NY (Duan, D. editor) All Publications

### All Publications

#### 2022

- [Pan X, Yue Y, Boftis M, Wasala LP, Trans NT, Zhang K, Pintel DJ, Tai PWL, Duan D](#). Rational engineering of a functional CpG-free ITR for AAV gene therapy. Gene Therapy, online ahead of print **2022**. doi: 10.1038/s41434-021-00296-0
- [Zheng A, Arias EB, Wang H, Kwak SE, Pan X, Duan D, Cartee GD](#). The exercise-induced improvement in insulin-stimulated glucose uptake by rat skeletal muscle is absent in male AS160-knockout rats, partially restored by muscle expression of phosphomutated AS160, and fully restored by muscle expression of wildtype AS160. **Diabetes**, online ahead of print **2022**. doi: 10.2337/db21-0601

#### 2021

- [Hakim CH, Kumar SRP, Perez-Lopez DO, Wasala NB, Zhang D, Yue Y, Teixeira J, Pan X, Zhang K, Million ED, Nelson CE, Metzger S, Han J, Louderman JA, Schmidt F, Feng F, Grimm D, Smith BF, Yao G, Yang NN, Gersbach CA, Chen S-J, Herzog RW, Duan D](#). Cas9-specific immune responses compromise local and systemic AAV CRISPR therapy in multiple dystrophic canine models. Nature Communications 12(1),6769, 2021. (Commented in Molecular Therapy 30(1):10-122, 2022, <https://pubmed.ncbi.nlm.nih.gov/34895501/>; and **Human Gene Therapy** 32(23-24):1430-1432, **2021**).
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- [Kodippili K, Thorne PK, Laughlin MH, Duan D](#). Dystrophin deficiency impairs vascular structure and function in the canine model of Duchenne muscular dystrophy. **Journal of Pathology** 254(5):589-605, **2021**.
- [Duan D](#). A cautiously optimistic outlook of a designer therapy for 1% Duchenne muscular dystrophy patients. **Human Gene Therapy** 32(17-18):872-874, 2021

- [Duan D, Goemans N, Takeda S, Mercuri Eugenio, Aartsma-Rus A.](#) *Duchenne muscular dystrophy.* **Nature Reviews Disease Primers** 7(1):13, **2021**. PMID: 33602943, DOI: 10.1038/s41572-021-00248-3
- [Mareedu S, Million ED, Duan D, Babu GJ.](#) *Abnormal Ca<sup>++</sup> handling in Duchenne muscular dystrophy: mechanisms and potential therapies.* **Frontiers in Physiology** 12:647010, **2021**. PMID: 33897454, PMCID: PMC8063049, DOI: 10.3389/fphys.2021.647010
- [Apkon S, Kinnett K, Cripe L, Duan D, Jackson JL, Kornegay JN, Mah ML, Nelson SF, Rao V, Scavina M, Wong BL, Flanigan KM.](#) *Parent Project Muscular Dystrophy: females with dystrophinopathy conference. Orlando Florida, June 26-27, 2019.* **Journal of Neuromuscular Diseases** 8(2):315-322, **2021**. PMID: 33361607, DOI: 10.3233/JND-200555
- [Fortin JS\\*, Hakim CH, Korte S, Johnson GC, Duan D\\*.](#) *Widespread severe myodegeneration in a compound heterozygote female dog with dystrophin deficiency.* **Veterinary Medicine and Science** 7(3):654-659, **2021**. (\*, co-corresponding author) PMID: 33502125, PMCID: PMC8136971, DOI: 10.1002/vms3.433
- [Kodippili K, Thorne PK, Laughlin MH, Duan D.](#) *Dystrophin deficiency impairs vascular structure and function in the canine model of Duchenne muscular dystrophy.* **Journal of Pathology** 254(5):589-605, **2021**. PMID: 33999411, DOI: 10.1002/path.5704
- [Wang H, Marrosu E, Brayson D, Wasala NB, Johnson EK, Scott CS, Yue Y, Hau K, Trask AJ, Zhang L, Froehner SC, Adams ME, Duan D, Montanaro F.](#) *Biochemical characterization of micro-dystrophin reveals a role for cavins and ERK in DMD cardiomyopathy.* **Human Molecular Genetics**, 30(4):1321-1336, **2021**

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- [White Z, Hakim CH, Theret M, Yang NN, Francis G, Cox D, Straub V, Rossi F, Duan D\\*, Panagiotopoulos C, Bernatchez P\\*.](#) High prevalence of plasma lipid abnormalities in human and canine Duchenne and Becker Muscular Dystrophies depicts a new type of primary genetic dyslipidemia. **Journal of Clinical Lipidology**. **2020** May 29; S1993-2874 (20)30196-3. Doi:10.1016/j.jacl.2020.05.098 Online ahead of print. PMID: 32593511 (\*, co-corresponding author)
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