

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

2019

- Zhang D, Hurst T, **Duan D**, Chen S-J. *Unified energetics analysis unravels SpCas9 cleavage activity for optimal gRNA design*. **Proceedings of National Academy of Science**, In-press **2019**.
- Wasala NB, Hakim CH, Chen S-J, Yang NN, **Duan D**. *Questions answered and unanswered by the first CRISPR editing study in the canine model of Duchenne muscular dystrophy*. **Human Gene Therapy**, In-press **2019**.
- Patel A, Zhao J, **Duan D**, Lai Y. *Design of AAV vectors for Delivery of Large or Multiple Transgenes*. **Methods in Molecular Biology**, In-press **2019**.
- Nance ME, **Duan D**. *Development of next generation muscle gene therapy vectors*. **Muscle Gene Therapy 2nd edition** (Publisher: Springer.) Duan D and Mendel JR (Ed.), In-press **2019**.
- **Duan D**. *Considerations on preclinical muscle gene therapy studies*. **Muscle Gene Therapy 2nd edition** (Publisher: Springer.) Duan D and Mendel JR (Ed.), In-press **2019**.
- Lai Y, **Duan D**. *Design of muscle gene therapy expression cassette*. **Muscle Gene Therapy 2nd edition** (Publisher: Springer.) Duan D and Mendel JR (Ed.), In-press **2019**.
- Wasala LP, Hakim CH, Yue Y, Yang NN, **Duan D**. *Systemic delivery of adeno-associated viral vectors in mice and dogs* **Methods in Molecular Biology** 1937:281-294, **2019**.

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- [Hakim CH, Wasala NB, Nelson CE, Wasala LP, Yue Y, Louderman JA, Lessa TB, Zhang K, Jenkins GJ, Nance ME, Pan X, Kodippili K, Yang NN, Chen S-J, Gersbach CA, Duan D](#). *AAV CRISPR editing rescues cardiac and muscle function for 18 months*. **JCI Insight** 3(23): e124297, **2018**.
- **Duan D**. *CRISPR alleviates muscular dystrophy in dogs*. **Nature Biomedical Engineering**, 2(11):795-796, **2018**

- [Duan D.](#) Systemic AAV micro-dystrophin gene therapy for Duchenne muscular dystrophy. **Molecular Therapy** 26(10):2337-2356, **2018**
- [Duan D.](#) Micro-dystrophin gene therapy goes systemic in Duchenne muscular dystrophy patients. **Human Gene Therapy** 29(7):733-736, **2018**
- [Kodippili K, Hakim CH, Yang HT, Pan X, Yang NN, Laughlin MH, Terjung RL, Duan D.](#) Nitric oxide dependent attenuation of norepinephrine-induced vasoconstriction is impaired in the canine model of Duchenne muscular dystrophy. **Journal of Physiology** 596(21):5199-5216, **2018**
- [Kodippili K, Duan D.](#) Expressing full-length dystrophin using adeno-associated virus. **Gene Therapy in Neurological Disorders** Elsevier (Publisher) Ed: Mingjie Li and Joy Snider Chapter 13, 259-276, **2018**
- [Jenkins JG, Hakim CH, Yang NN, Yao G, Duan D.](#) Automatic characterization of stride parameters in canines with a single wearable inertial sensor. **PLoS One**13(6): e0198893, **2018**.
- [Wasala NB, Shin J-H, Lai Y, Yue Y, Duan D.](#) Cardiac specific expression of Δ H2-R15 mini-dystrophin normalized all ECG abnormalities and the end-diastolic volume in a 23-m-old mouse model of Duchenne dilated cardiomyopathy. **Human Gene Therapy** 29(7):737-748, **2018** (Journal cover image)
- [Patel A, Zhao J, Yue Y, Zhang K, Duan D*, Lai Y*.](#) Dystrophin R16/17-syntrophin PDZ fusion protein restores sarcolemmal nNOS. **Skeletal Muscle** 8:36, **2018**.
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Muscular Dystrophy Therapies to the Clinic (First Workshop Report: Examining current findings and opportunities around the emerging D2.B10-Dmd^{mdx}/J (D2/mdx) model in context of the classic C57BL/10ScSn-Dmd^{mdx}/J (B10/mdx)). **Journal of Neuromuscular Diseases** 5(4):407-417, **2018**.

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