# 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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- **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 ΔH2-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)

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