
STRYKAGEN

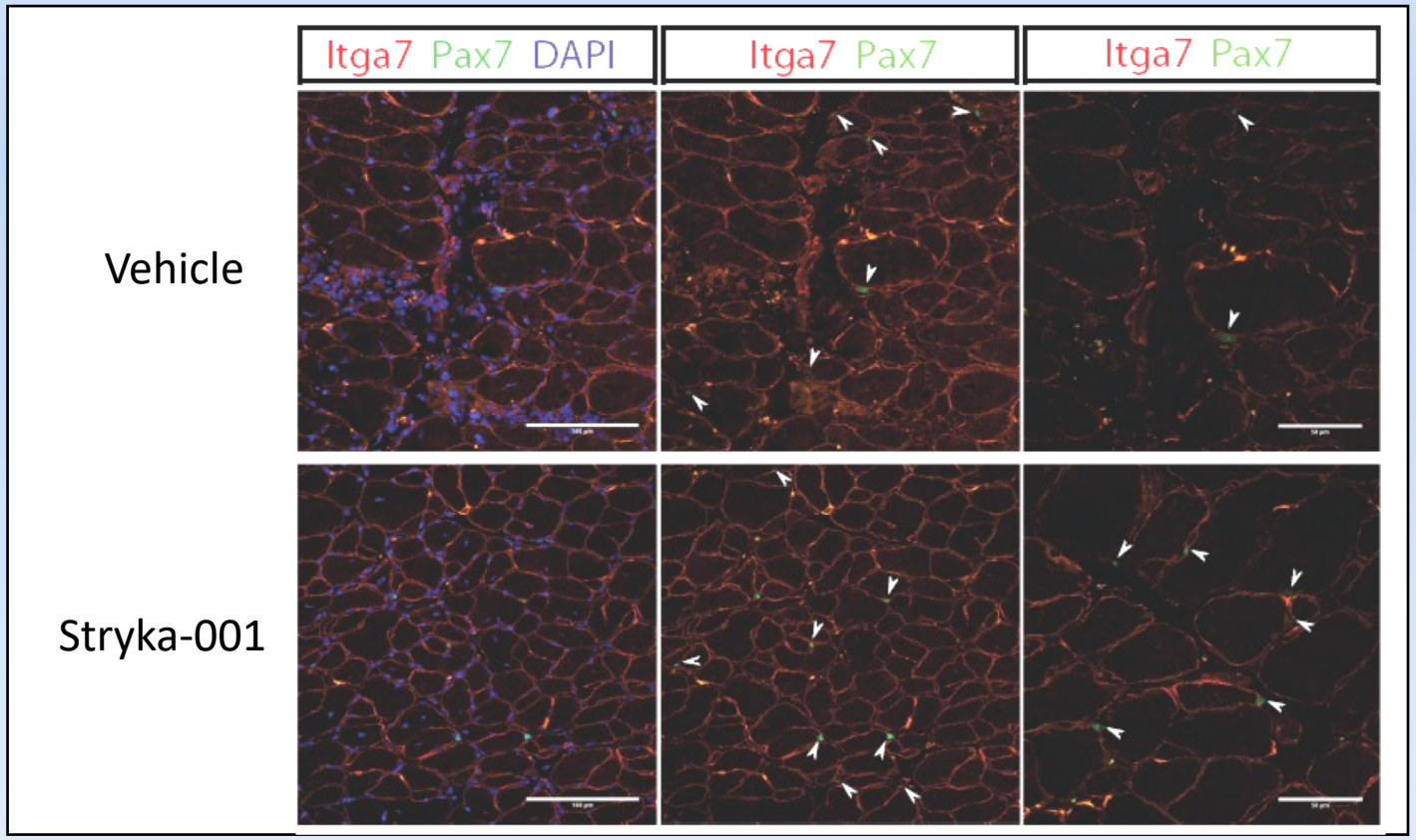
Developing Transformative Therapeutics & Diagnostics
for Life-Threatening Rare Muscle Diseases

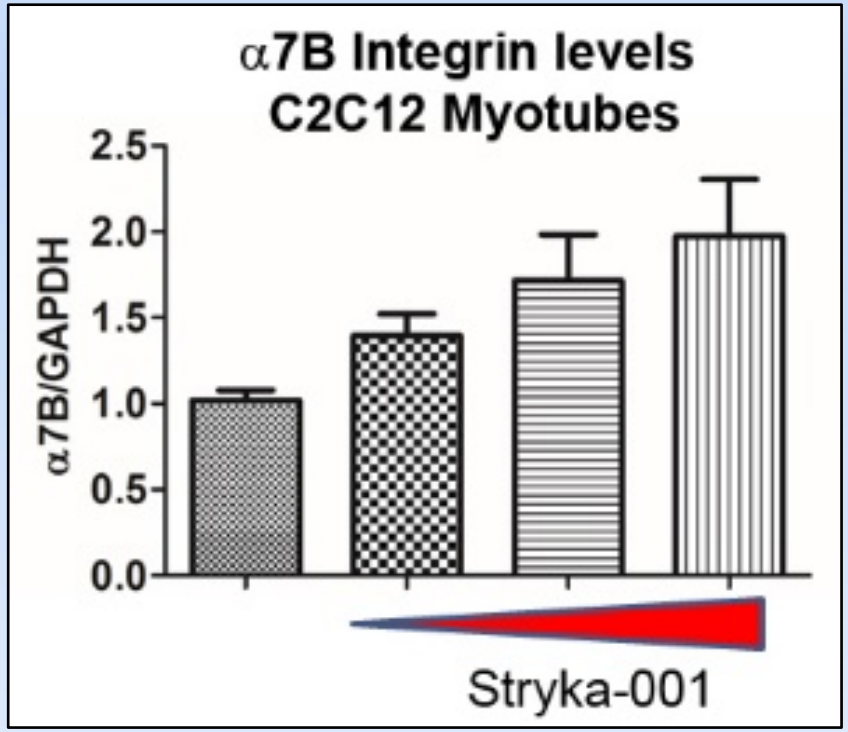
# Stryka-001 Treatments for Enhanced Muscle Regeneration in FSHD Patients

**Presenter**
**Ryan Wuebbles, PhD.**

# STRYKA-001

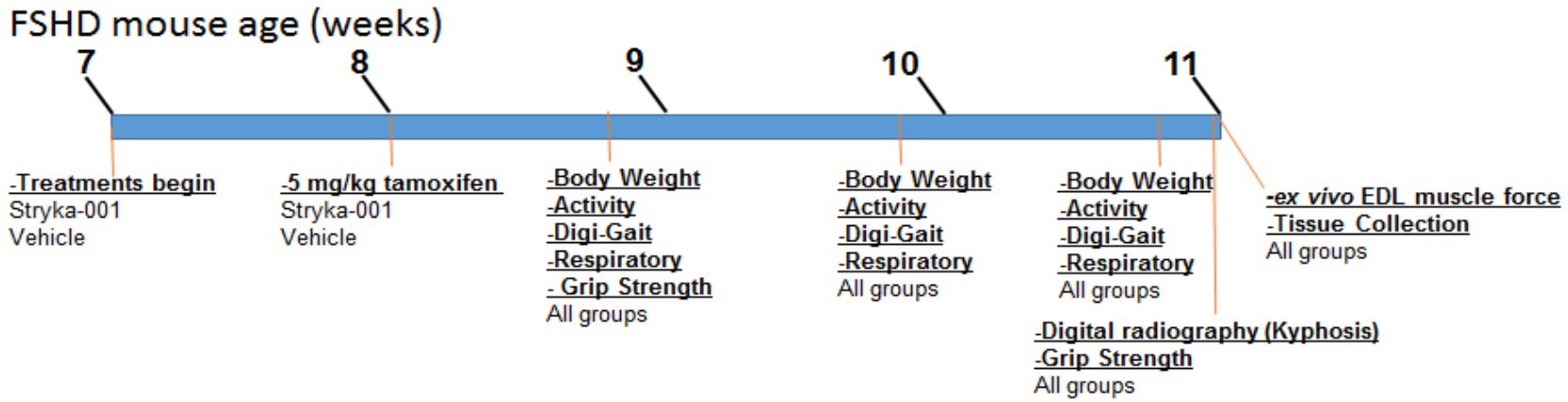
- Enhancer of muscle regeneration through elevated $\alpha 7\beta 1$ Integrin expression
- The enhanced regeneration increases muscle strength and prevents fibrosis after insult
- Stryka-001 is already FDA-approved for another indication and can potentially be fast-tracked



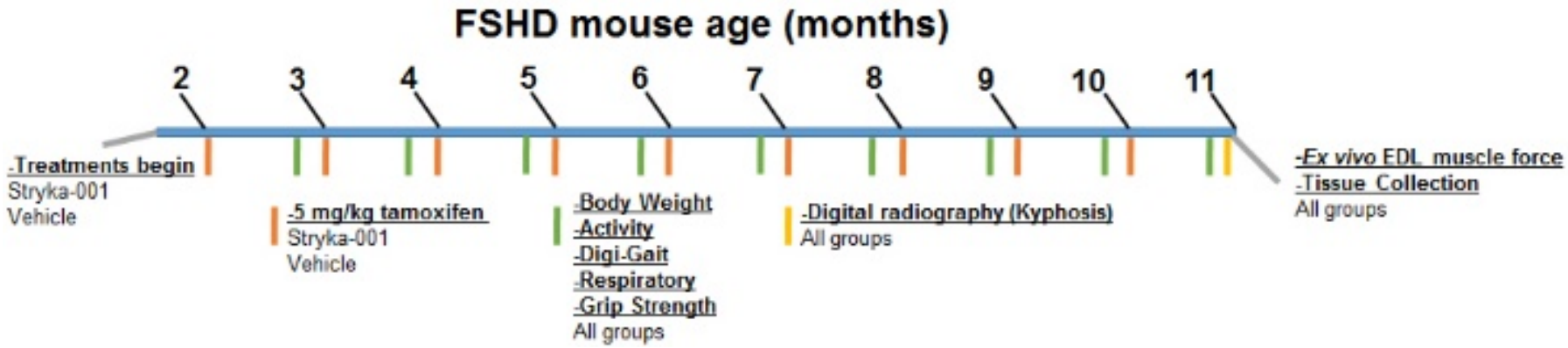



# Preclinical FSHD mouse studies using Stryka-001 began February 2018

**Acute Dux4 FSHD Model**



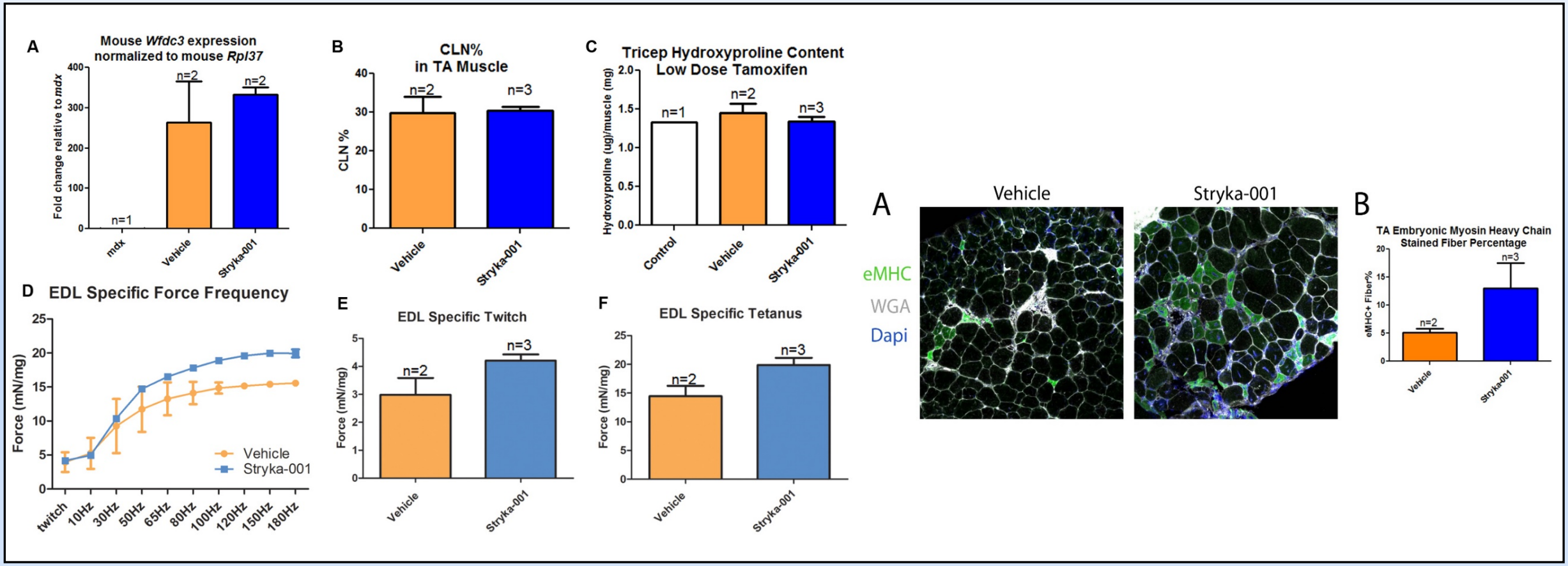

**Chronic Dux4 FSHD Model**




**This project was funded by FSH Society**

FSH SOCIETY
FACIOSCAPULOHUMERAL MUSCULAR DYSTROPHY

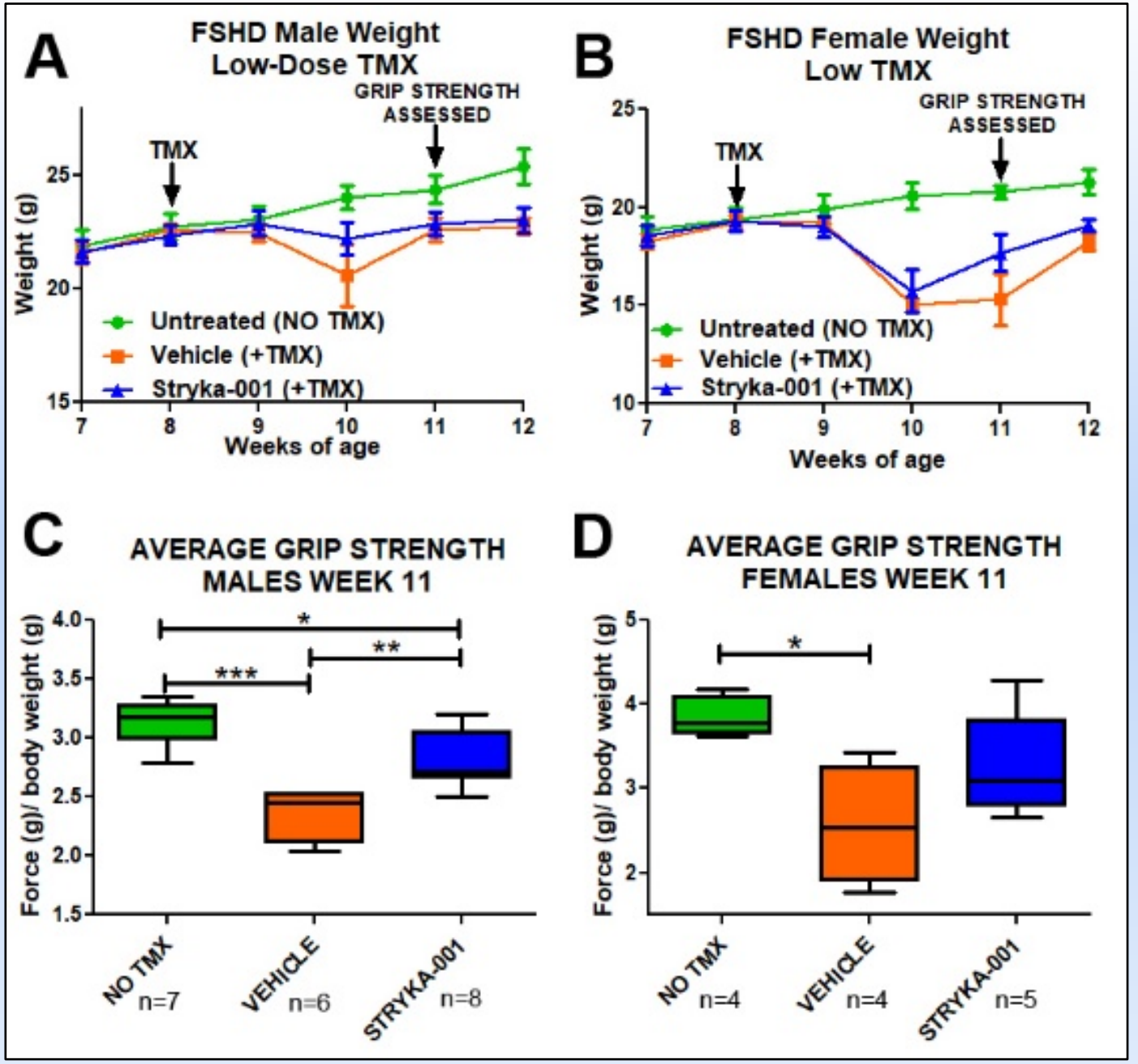
# Acute DUX4 Expression Data




**These were the second group to be started and thus the new FSHD mouse cohort just began treatments.**

# Chronic DUX4 Expression

**These studies will conclude in November.**



# Early Conclusions

- Preliminary data suggests that Stryka-001 therapeutic is a viable stand alone treatment for FSHD patient use.

- Clinical trial planning will begin within 12-months, with an optimistic start in 1.5 years.

- Stryka-001 could potentially be used in combination with other FSHD therapeutics including myostatin inhibitors, immune modulators, and Dux4 inhibiting small molecules or DUX4 gene therapy methodologies with enhanced efficacy.




**Ryan Wuebbles, PhD**
UNR Research Assistant Professor

**Dean Burkin, PhD**
UNR Professor

**Peter Jones, PhD**
UNR Associate Professor

**Andrea Nunes, PhD**
Postdoctoral Fellow

**Takako Jones, PhD**
UNR Research Associate Professor

**Tatiana Fontelonga, MS**
UNR Graduate Student

**Pamela Barraza**
UNR Graduate Student

**Christina Smith**
UNR Graduate Student

**Dean Burkin, PhD**
CEO Strykagen Corp.

**Ryan Wuebbles, PhD**
CSO Strykagen Corp.

**David Maine**
CFO StrykaGen Corp.

**Mark Stone**
CEO FSH Society

**June Kinoshita**
CSPO, FSH Society

**Dan Perez**
CSO, FSH Society

**Contact:** ryan@strykagen.com