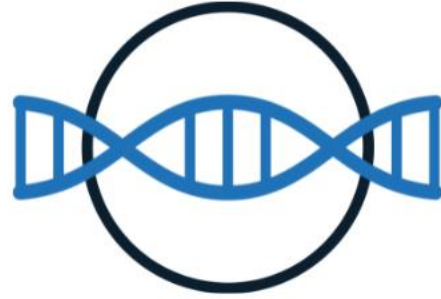




Dr. Rebecca Schmitt

Doles Lab, Indiana University



**GNEM SYMPOSIUM
SPEAKER SERIES**

presented by The Neuromuscular Disease Foundation

Exploring Genetic Changes and Cell Recycling in GNE Myopathy

Sunday, November 19, 2023 • 9am PT

Overview

1. **GNE myopathy introduction**
2. **Research challenges & opportunities**
3. **Model: induced pluripotent stem cells**
4. **Experimental Plan:**
 - **Muscle overview**
 - **GNEM mutations and muscle cells**
5. **What is autophagy? Does it have a role in GNEM?**
6. **Conclusions & future directions**





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Speaker Series #111923

Dr. Rebecca Schmitt

Doles Lab, Indiana University

**“Exploring Genetic Changes and Cell Recycling
in GNE Myopathy”**

Key Takeaways:

1. To date, no cures are available for GNE myopathy
2. Utilization on an *in vitro* model system allows for uncovering underlying mechanism(s) contributing to disease pathology
3. Targeting autophagy may provide a new promising therapeutic approach



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- Alejandro Hernandez

Past Members

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- Dong Seong Cho, Ph.D.*
- Alexandra Ducharme
- Rameen Shah
- Daniel Gibbard



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iPSC Reprogramming/control lines

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Genome Analysis Core

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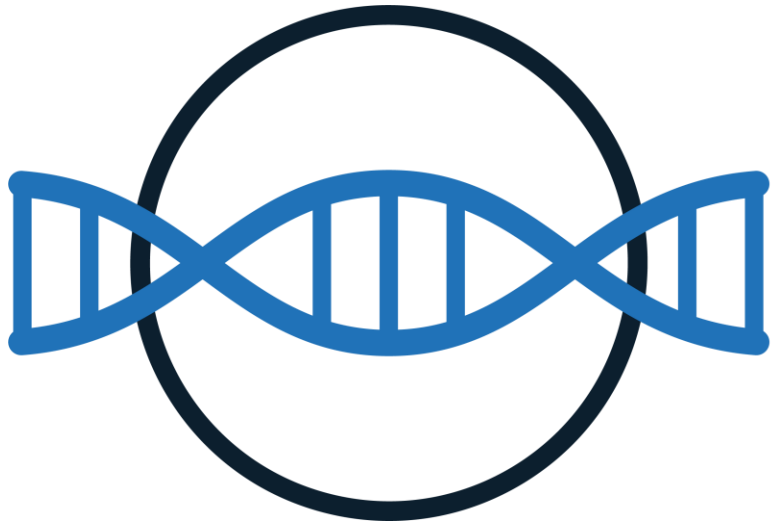
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