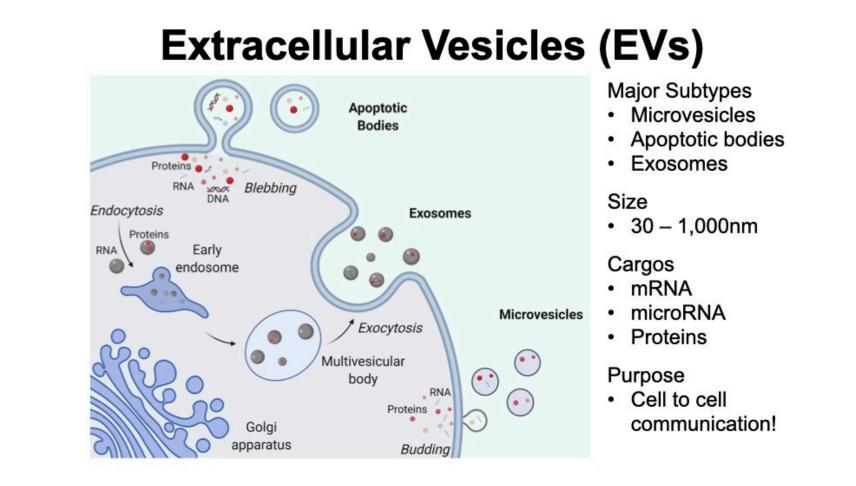
# Morgane Golan

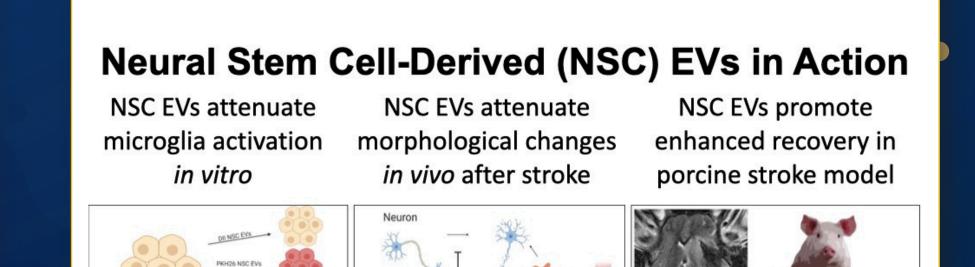
Ph.D. Candidate, Regenerative Medicine Third Year ARCS Scholar Cooper/Mukharji Award

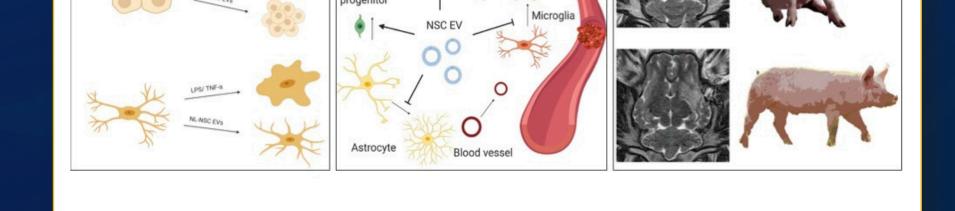


# **Enhancing neural extracellular vesicle therapies**

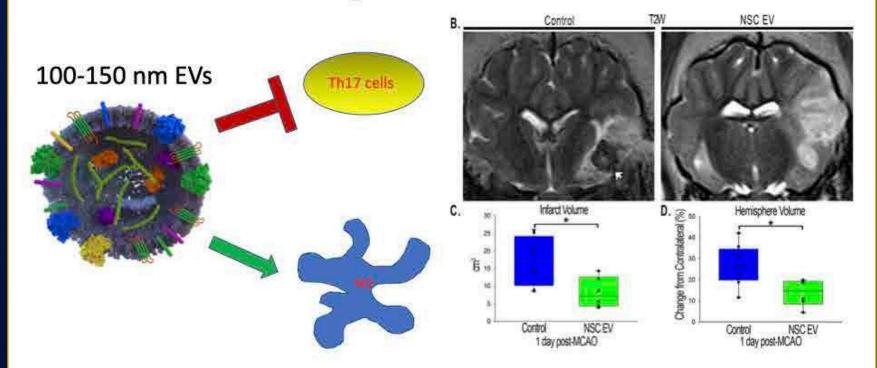
My research aims to improve the therapeutic efficacy and accessibility of neural extracellular vesicles for the treatment of neurological diseases and disorders.





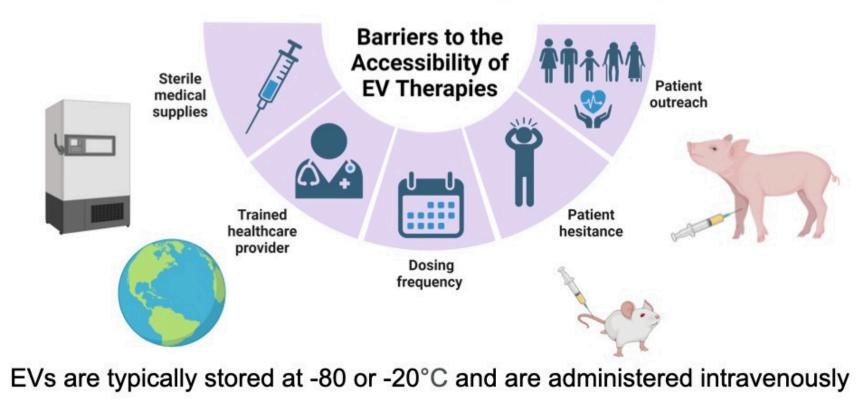


#### Anti-Inflammatory Mechanisms of NSC EVs



EVs act on macrophages, T Regs, and microglia resulting in M2 polarization

### **Critical Factors Limiting EV Application**



### My Research in the Stice Lab at UGA

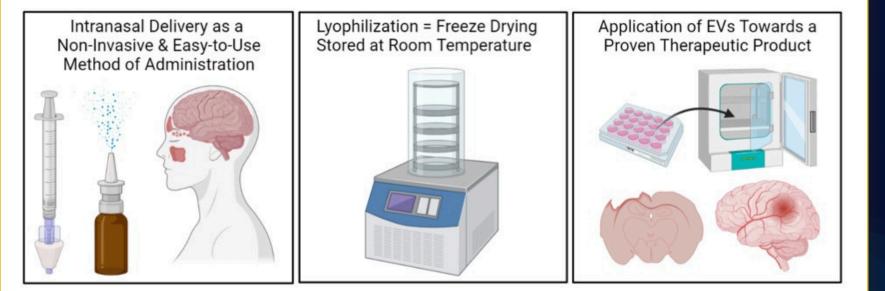
Test alternative patient- Identify & validate a readyfocused routes of administration

to-use preservation technique for EVs

Evaluate and maintain potency of EVs via in vitro assays & animal models

#### **Teaching in the Regenerative Bioscience** Major for Undergraduates





Discipline-based education research (DBER): how does active learning impact academic self-efficacy and learning outcome achievement in Animal Biotechnology?

**ACKNOWLEDGEMENTS:** Dr. Steve Stice and all the members of the Stice lab and the Regenerative Bioscience Center at the University of Georgia FUNDING SOURCES: NSF CMaT (Engineering Research Center for Cell Manufacturing Technologies)

## Scholar-Awards Celebration

November 15, 2023



Igniting Innovation in Georgia