



Christina Endara-Arnold

David, Helen and Marian Woodward Award

Ph.D. Candidate, Neuroscience

Second Year ARCS Scholar

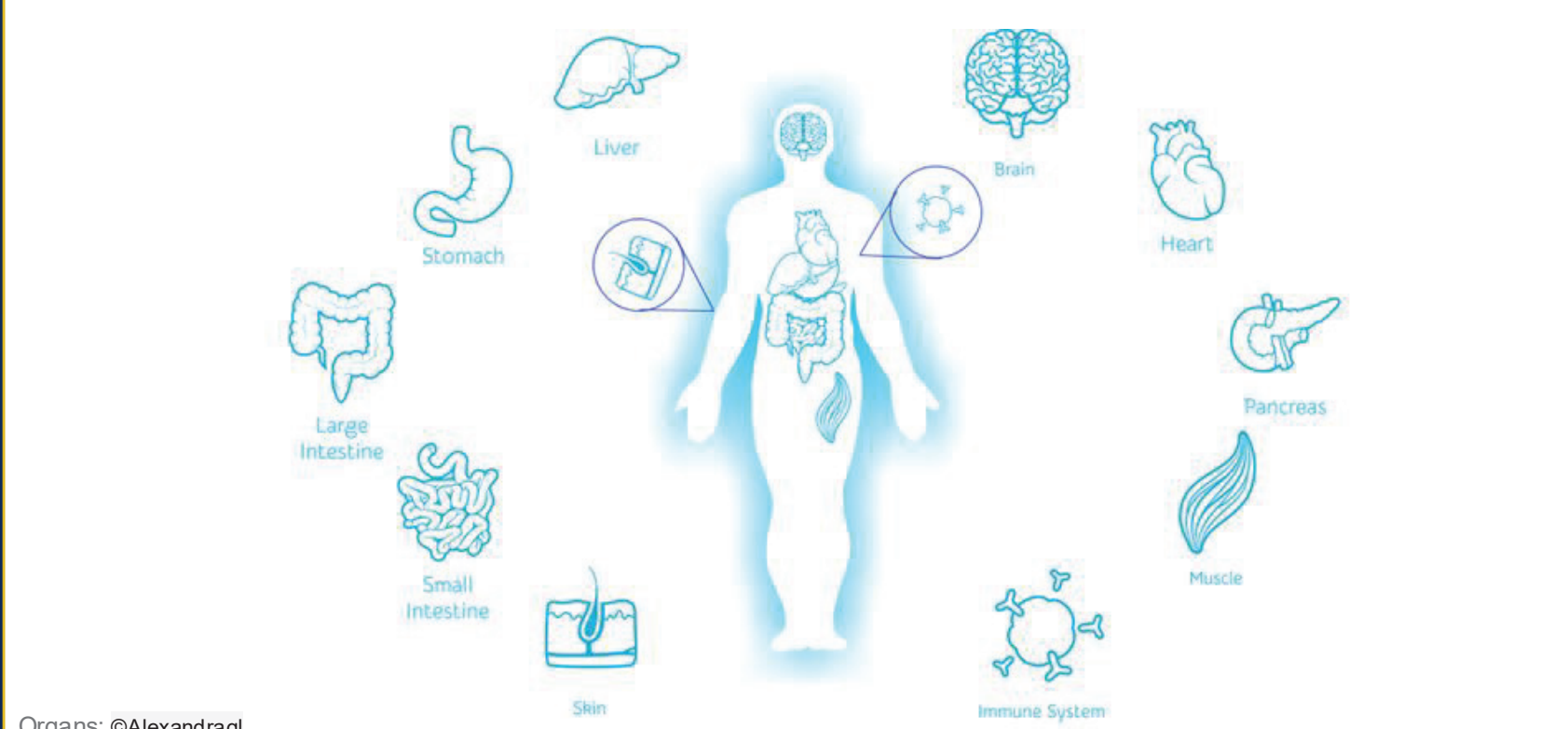


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Neuropeptide processors influence regeneration and stem cell function in planarians

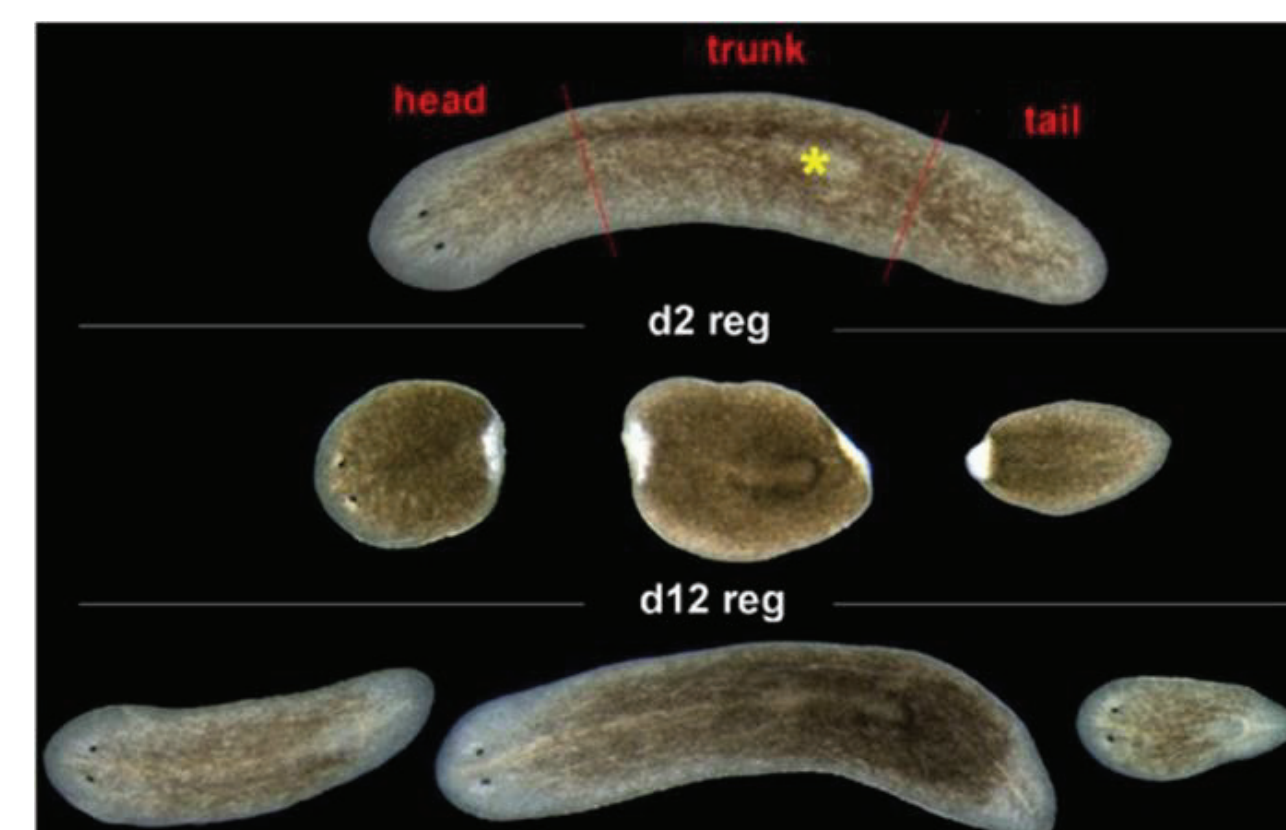
By using an animal capable of robust regeneration we can elucidate how neuropeptide signaling influences both regeneration and stem cell function.

Advancements in regeneration could lead to therapies for injury and disease



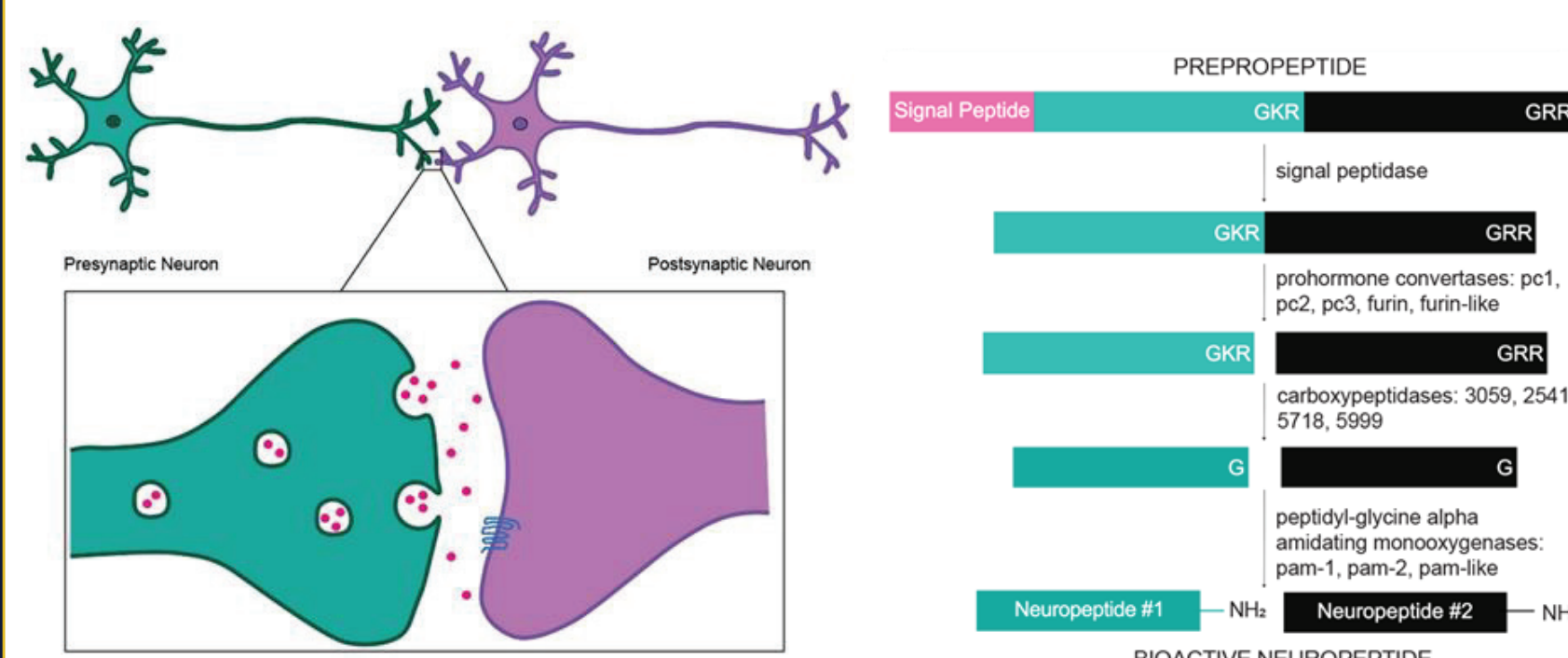
Organs: ©Alexandragi

What are planarians?

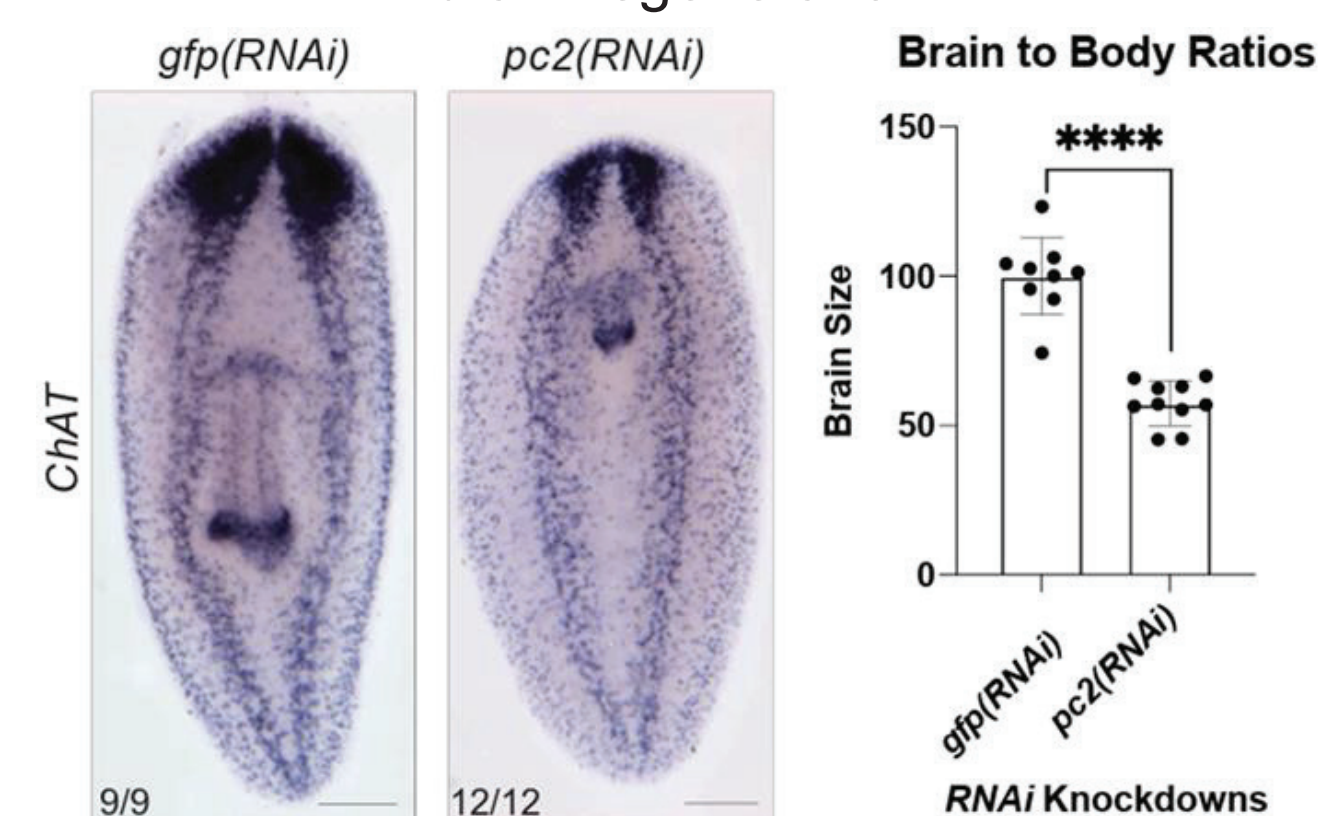


Adell et al., 2014.

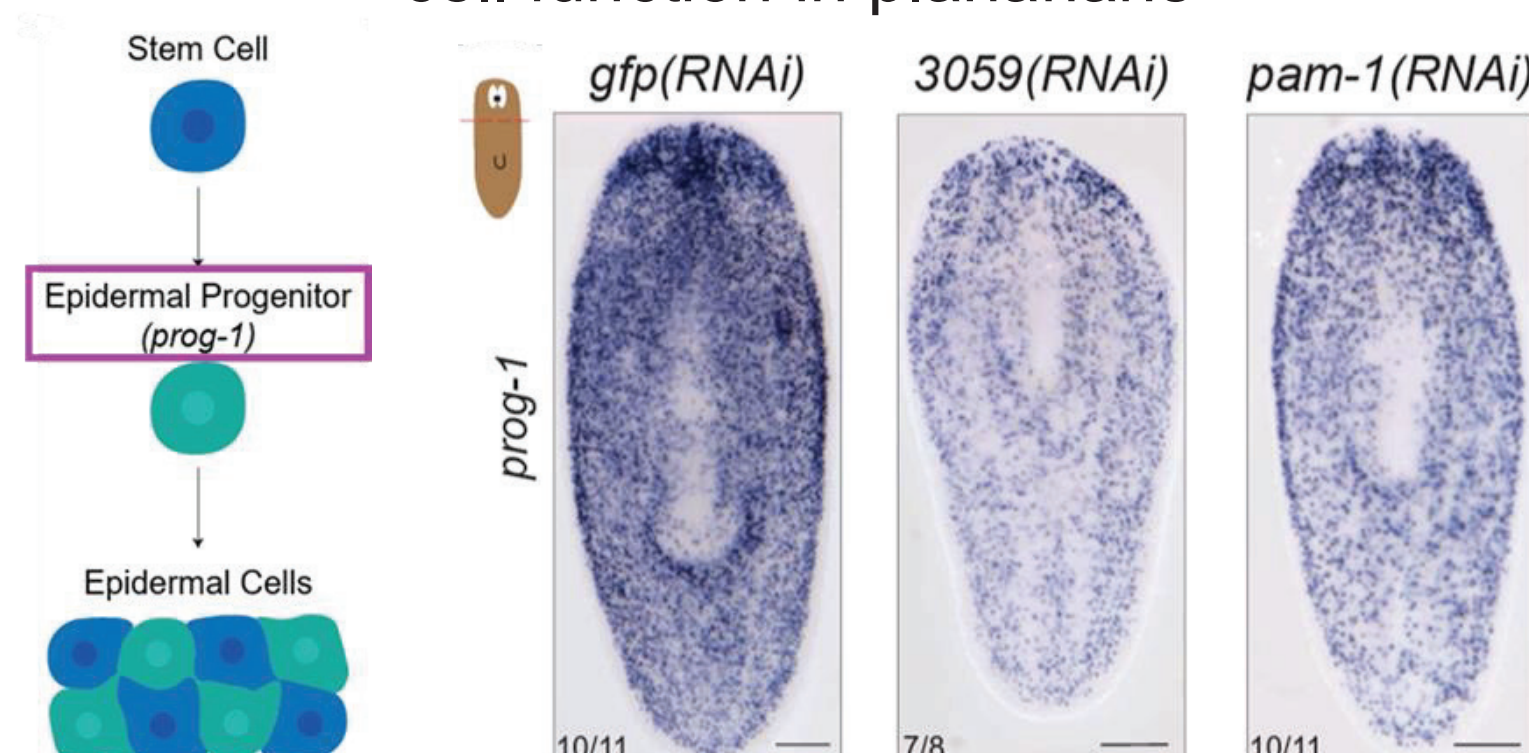
Neuropeptides act as neuromodulators and signaling molecules



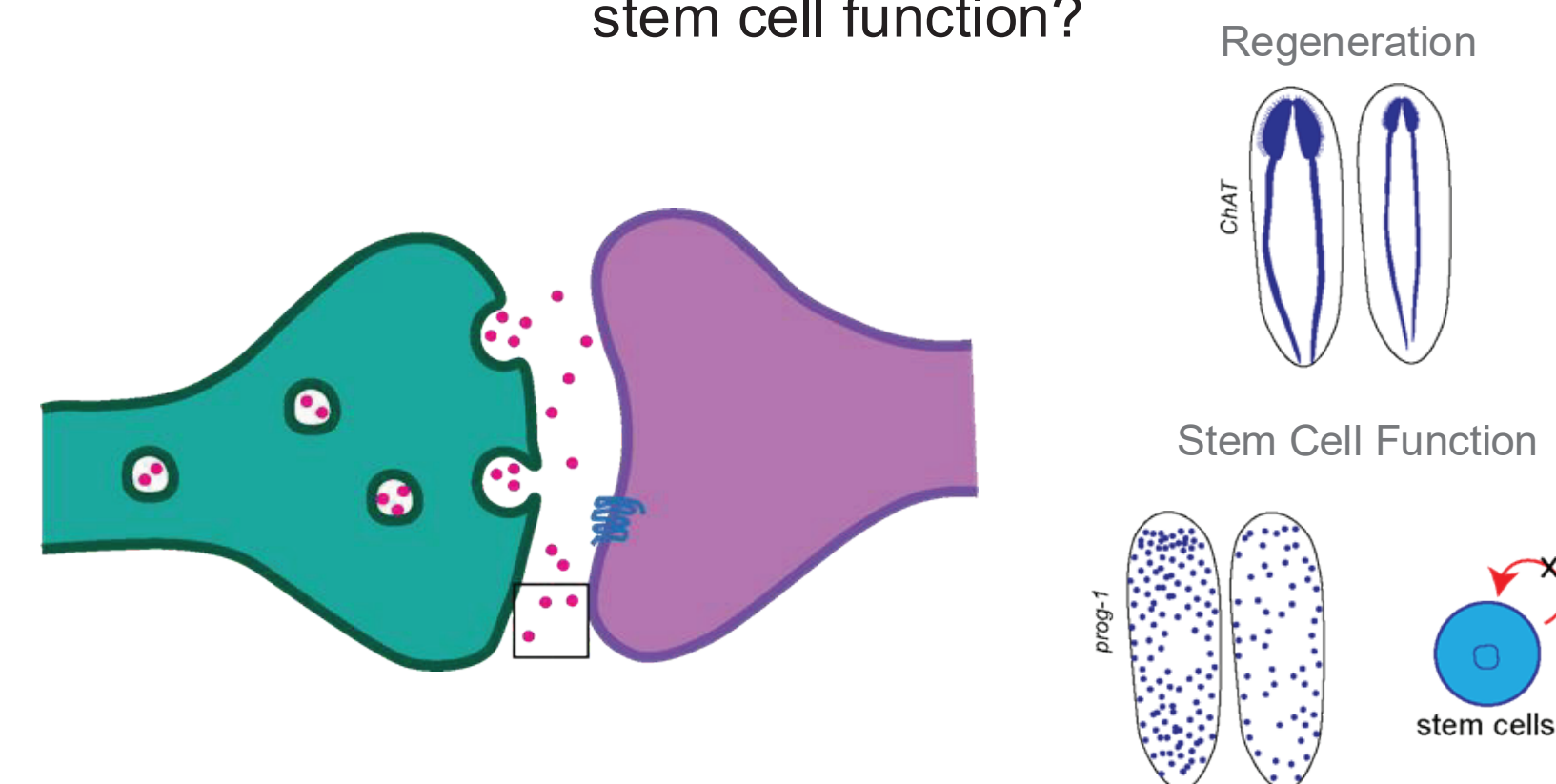
Neuropeptide processing enzymes influence brain regeneration



Neuropeptide processing enzymes impact stem cell function in planarians



What neuropeptides perturb regeneration and stem cell function?



Scholar Awards Celebration
November 12, 2025



Igniting
Innovation
in Georgia