Georgia Southern University - Armstrong Campus
Department of Biology
Announces a Lecture by

Dr. Jena Chojnowski

The Eyes Have It: Bioengineering corneal stem cells for vision restoration

Wednesday February 14, 2018 4:00 – 5:15pm
Science Center 1407

Dr. Chojnowski is an Assistant Professor of Biology at the University of South Carolina Beaufort. Her research consists of two main areas of interest: developmental biology and stem cell biology. Her study system is vision, with a specific focus on the development of eyes in different species and how a population of stem cells in the eye maintains vision over time. The gene PAX6 is very important for eye development and stem cell maintenance and loss of half of its expression results in developmental eye defects as well as dysfunctional stem cells. Her lab aims to understand how one organ that accomplishes one goal - to detect light and convert it into electro-chemical impulses in neurons - can be utilized in so many diverse ways. In addition, the Chojnowski lab studies the relationship between PAX6 and stem cell maintenance.

Pax6GFP in the central cornea of a 4-month-old normal mouse eye.