

Visiting Faculty Talk #3

Date and time: Tuesday, July 7th, 3:00 p.m.

Speaker: Dr. Anne Catllà, Wofford College Department of Mathematics

Title: *What role do glial cells play in networks of neurons?*

Abstract: Our brains are composed of networks of cells, including neurons and glial cells. While the significance of neurons has been well-established by biologists, the role of glial cells is less understood. One hypothesis is that glial cells enhance neural communication between neurons that they are close to, while suppressing communication between more distant neurons. In this talk, I will describe the behavior of neurons and glial cells and discuss a test of this proposed mechanism using mathematical models.