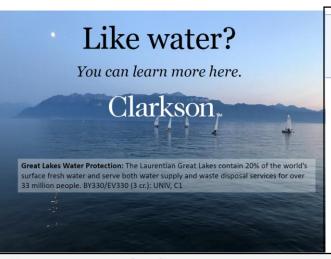
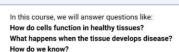
Some of the interesting Biology courses offered in Fall 2021:



BY218 Cell Biology

Instructor: Dr Ginger Hunter (ghunter@clarkson.edu)

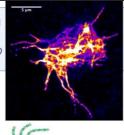


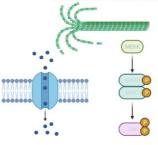
Topics will include:

- signal transduction
- cell death
- cell migration
- cell cycle

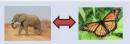
Students will also learn research skills:

- searching for primary literature using pubmed
- interpreting primary data in literature
- discussing & presenting literature with peers





Have you ever wondered...



 How evolution has given rise to the incredible diversity of species on earth today?

 How understanding evolution helps healthcare providers to combat pandemic outbreaks and fight against antibiotic resistance?











Why are ligers so awesome but tigons are not?

BY220 Intro to Evolution

3 credits, Fall 2021

Prof. Susan Bailey



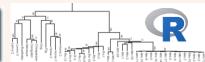
BY314/514 Bioinformatics

Lecture + computer lab, 4 credits, Prof. Susan Bailey

Learn to use R-script and other software to obtain and analyze nucleotide and protein sequence data, perform sequence alignment, build molecular phylogenies, and test evolutionary models.

Now offered in the Fall!





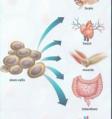


Stem Cells & Regenerative Medicine (BY488/588)

- Did you know that cloning of many animals including humans is now possible?
- Did you know that nearly any human organ can now undergo regeneration?
- Is it ethical to work with human Embryonic Stem Cells?
- What is the future of lab generated human organs?



Prof. Thomas Lufkin tlufkin@clarkson.edu Fall Semester (3 Credits) BY488/588





Curious about the biotechnology in your life?

- What is a transgenic?
- What is synthetic biology?
- How should we manipulate the human genome?
- Are you eating genetically engineered organisms?
- How can you improve health care and the world you live in?

Join us in BY486/586 Molecular Biotechnology



Fall 2021 - 3 credits Instructor: Dr. Petra Kraus