

**Readings in CMMB (includes books reflecting Cell Biology, Microbiology and Molecular Biology): BSC 4933**  
1 credit

Instructor: Diane Te Strake, Ph.D. Professor, Department of Cell Biology, Molecular Biology and Microbiology. Email: [testrake@usf.edu](mailto:testrake@usf.edu)

Office Hours: W 11am in ISA 2018F or by appointment

Email: [testrake@usf.edu](mailto:testrake@usf.edu)

Books for course. Many of these are paperback and commonly available. Where I could, I listed the USF Library shelf location number. Several books are USF e-books and I have a number of the books which I am happy to loan you.

Goal: To provide an opportunity for students to read a variety of books on a variety of topics in Cell Biology, Microbiology and Molecular Biology, such as neurobiology, development, genetics, microbiology, etc.

Outcomes: By the end of the term students will have read 6 books totaling a minimum of 1500 pages and written a critique on each of them (6 total).

Formal Class Time: There is no formal class time but I would like to for all students periodically meet with me to report their progress and discuss their readings. In the event students are not regularly on campus, we can email regularly.

**PARTIAL BOOK LIST:**

**I need to approve all the books** you choose to read except the following:

*The Ghost Map* by Steven Johnson (story of the epidemiology of cholera in London in mid 1800s)(Category IV)-USF: RC 133 G6;J64 2008

*Demon in the Freezer* by Richard Preston (insight into small pox vaccine use) (Category III/IV)

*The Demon Under the Microscope* by Thomas Hagar (deals with vaccines) (Category IV)

*Yellow Fever Black Goddess* by Christopher Wills (Category IV) TeS

*Mutants* by Armand Marie Leroi (genetic variety and the human body)(IV)TeS

*The Camel's Nose* by Knut Schmidt-Nielsen (animal physiologist's memoir) (Category I)TeS

*Proust was a Neuroscientist* by Jonah Lehrer (sample chapters: Walt Whitman- The Substance of Feeling; Igor Stravinsky –The Source of Music)

*The Social Amoebae-* by John Tyler Bonner (biology of cellular slime molds-a model organism)

*From ALCHEMY to IPO* by Cynthia Robbins (business of biotechnology) (Category I)

*Brain on Fire brain* by Susannah Cahalan

*The Future of the Mind: the scientific quest to understand, enhance and empower the mind* by Michio Kaku

*The Emperor of all Maladies: a biography of cancer* / Siddhartha Mukherjee

*Mycelium Running* by Paul Stamets

*Deadly Feasts* by Richard Rhodes

*Carpet Monsters, Killer Spores* by N. Money (e-book, USF)

