Signal Transduction

(BioSci 964 or VBMS 964)

Spring Semester 2020

Monday & Wednesday 8:45-10:45

Veterinary Medicine and Biomedical Sciences Hall

(Room TBA) East Campus

Instructor:

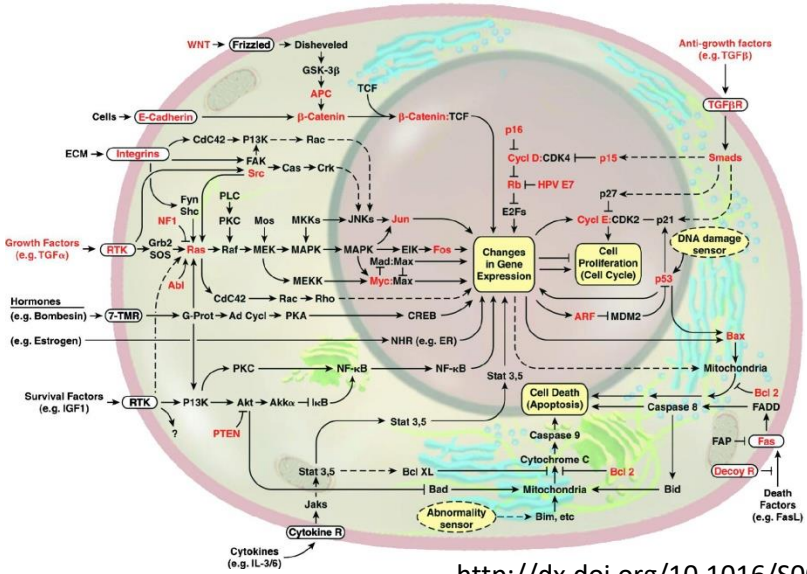
Dr. Rodrigo Franco, 114 VBS, 472-8542, rfrancocruz2@unl.edu

If you have any questions about this class Email or call

Signal transduction is the process whereby cells sense information in their environment and transduce it to different physiological outcomes

In this class we will examine the basic concepts of signal transduction and revise a broad range of signaling pathways. Past syllabus can be found at https://francolab.unl.edu/teaching. The primary goals of this class are:

1) For students to be able to understand what signal transduction means and the general biological principles behind it. To understand the importance of signal transduction in health and disease.
2) To appreciate the vast and increasing diversity of signaling mechanisms described to date (receptors, ligands, second messengers, adaptors, post-translational modifications, crosstalk, etc…).
3) To be able to understand/read signal transduction literature. To apply this knowledge to their own research.



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