**Cell Death (GMS6691, Section 0002) 2020 Spring Semester Schedule (Course Director: Dr. Daiqing Liao,** **dliao@ufl.edu****)**

Room DG-41 - Module II - Tuesdays and Thursdays – 1:30-3:30PM

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| Date | Lecturer and lecture title | Student Presenter | Paper for presentation and class discussion |
| TuesdayFeb. 11 | Dr. Lingtao Jin (Apoptosis) | Healy, Kelly Lyn (kelly.healy@ufl.edu) | Kurppa KJ et al. Treatment-Induced Tumor Dormancy through YAP-Mediated Transcriptional Reprogramming of the Apoptotic Pathway. Cancer Cell. 2020;37:104-22 e12. <https://www.ncbi.nlm.nih.gov/pubmed/31935369>  |
| ThursdayFeb. 13 | Dr. Daiqing Liao (Necroptosis and Ferroptosis) | Peguero Kushner, Gabriela (gabriela.peguero@ufl.edu)  | Doll, S. et al. 2019 FSP1 is a glutathione-independent ferroptosis suppressor *Nature*, 575, 693-698 <https://www.ncbi.nlm.nih.gov/pubmed/31634899> |
| TuesdayFeb. 18 | Dr. Daohong Zhou (Senescence) | Clay, Ryan (ryanclay@ufl.edu) | Baker DJ, at al. Naturally occurring p16(Ink4a)-positive cells shorten healthy lifespan. Nature. 2016 Feb 11;530(7589):184-9. <https://www.nature.com/articles/nature16932>  |
| ThursdayFeb. 20 | Dr. Rene Opavsky (Epigenetic regulation of apoptosis) | Pereira, Kimberly Nicole (pereira.kimberly@ufl.edu) | Motiwala T et al. PTPROt-mediated regulation of p53/Foxm1 suppresses leukemic phenotype in a CLL mouse model. Leukemia (2015) 29, 1350–1359; doi:10.1038/leu.2014.341 <https://www.nature.com/articles/leu2014341> |
| TuesdayFeb. 25 | Dr. Satya Narayan (DNA damage and apoptosis) | Group discussion | Tavora B. et al. Endothelial-cell FAK targeting sensitizes tumours to DNA-damaging therapy. Nature. 2014;514:112-6. <https://www.ncbi.nlm.nih.gov/pubmed/25079333>  |
| ThursdayFeb. 27 | Dr. Shuang Huang (Anoikis and its molecular pathways and implication in cancer progression) | Group discussion | Bao X et al. 2018 Proteolytic Release of the p75NTR Intracellular Domain by ADAM10 Promotes Metastasis and Resistance to Anoikis. *Cancer Res*. 2018 May 1;78(9):2262-2276 <https://cancerres.aacrjournals.org/content/78/9/2262.long> |
| TuesdayMarch 10 | Dr. Brian Law (Utilizing oncogene addiction and synthetic lethality for cancer therapy) | Mu, Yu (yumu@ufl.edu) | Magen et al., 2019, Beyond Synthetic Lethality: Charting the Landscape of Pairwise Gene Expression States Associated with Survival in Cancer. *Cell Reports* 28, 938–948 <https://doi.org/10.1016/j.celrep.2019.06.067> |
| ThursdayMarch 12 | Dr. William A. Dunn, Jr. (Autophagy-mediated cell death) | Group discussion | Yang et al. 2019. Increased expression of lncRNA CASC9 promotes tumor progression by suppressing autophagy-mediated cell apoptosis via the AKT/mTOR pathway in OSCC. *Cell Death and Disease* 10:41 <https://www.nature.com/articles/s41419-018-1280-8> |
| Tuesday March 17 | Dr. Nadja Makki (Cell death in development and disease) | Solone, Xzaviar Kaymar Victor (xzaviar11@ufl.edu) | Fritsch, M., et al. Caspase-8 is the molecular switch for apoptosis, necroptosis and pyroptosis. Nature 575, 683-687, doi:10.1038/s41586-019-1770-6 (2019). <https://www.ncbi.nlm.nih.gov/pubmed/31748744>  |
| Thursday March 19 | Take-home quiz |  |  |

The course is offered on Tuesdays and Thursdays in the Dental Building ground floor, room DG-41 from 1:30 – 3:30 PM. It is designed to have nine classroom sessions (90 to 120 minutes) that will consist of a 45-60 minute lecture followed by a 45-60 minute discussion of article(s) chosen by the faculty. For group paper discussion, a roundtable discussion of the publication will take place. One student will present an article after each lecture, but all students are required to read the article and to participate in discussion. A quiz of 6-10 questions will be handed out on Wed. March 16th and due back on Friday March 20th before 5 pm.

Grading: 50% Presentation and classroom participation

 50% Take-home short answer quiz