

Schedule modified VPT5778 (2022)

1 Week

- **9:00 am Monday (06/06/22):** course presentation via google meeting;
- **2:00 pm Monday (06/06/22):** Jean Luz goes to laboratory to be aware of the activities to be held on Tuesday morning and others can read the articles and practice on JoVE techniques;
- **9:00 am Tuesday (07/07/22):** in the laboratory with Luciana and Jean help, trypsinizing the cells (Meln and CF41 tumor cell lines) and plated them for cytotoxicity and cell cycle assays (follow protocol that is in Moodle);
- **2:00 pm Tuesday (07/07/22):** wound scratch assay plus treatments (follow protocol that is in Moodle); If finish early Bethânia and Karina Bittencourt stay with me to discuss your projects;
- **Wednesday (the Luciana technician will change de medium for starving (DMEM+SFB 1%) and will add DOXO for cytotoxicity and cell cycle assays prepared on Tuesday (24 hs after cell plate);**

- **9:00 am Thursday (09/06/22):** preparation of canine blood lymphocytes with tumor conditioned medium (from melanoma and mammary cell carcinoma) and marking with CFSE; Juliana F. S. Conceição will assist with the separation of lymphocytes performed with Ficoll (follow protocol that is in Moodle);
- **14:00 pm Thursday (09/06/22):** reading of assays started on Monday by Neubauer chamber and Trypan blue dye and fixed cells for next week to read in flow cytometry (follow protocol that is in Moodle). If finish early Jean and Andrew stay with me to discuss your projects;

2 Week

- **9:00 am Monday (13/06/22):** read cell cycle from cells were fixed and frozen on Thursday by flow cytometry and if we have time we will discussion of technique JOVE (Journal of Visualized Experiments) with all students;
- **14:00 pm Monday (13/06/22):** choice and presentation by students about Research Lab with potential collaboration profile of their research of interest (**4 students from group 1**); if finish early Karina D'Angelo and Ana Paula stay with me to discuss your projects;
- **9:00 am Tuesday (14/06/22):** lymphocyte read in flow cytometry equipment;
- **2:00 pm Tuesday (14/06/22):** choice and presentation by students about Research Lab with potential collaboration profile of their research of interest (**4 students from group 2**).

Useful Websites:



Universidade de São Paulo

Faculdade de Medicina Veterinária e Zootecnia

Programa de Pós-Graduação em Patologia Experimental e Comparada



Current Protocols in Immunology:

<http://onlinelibrary.wiley.com/book/10.1002/0471142735>

Immunology & Cell Biology: <http://www.nature.com/icb/index.html>

Immunology - BIO307:

<http://www.bio.davidson.edu/courses/immunology/Bio307.html>

DNA analysis:

<http://www.cyto.purdue.edu/archive/flowcyt/educate/dna/dna.htm>

