

# SpatialBiology

## Spatial Biology Project

### Notes: Meeting 07/14/2023

Attendees: Levy & Brent

**Summary of discussion:** Prior meeting with Malek, Paolo and Levy about NIH Program grant. Three projects to present and one core presentation. Total presentation time of 1 hour, about 20 minutes per person to present ideas and preliminary data. Levy to let me know the persons name to direct the CODEX core.

Program presentation specific to the Levy lab and myself. Discussion about specific aims. First, we established two models: B6 <- BALB and C3H/2J <- BALB. Aim 1 will be GI/Skin micro-environment w/o treatments or cell manipulations. Aim 2 will be the application of TNFSFR25/CD25 +/- fusion protein manipulations. Both aims will have CODEX sub aims, Flow Cytometry sub aims, and single cell RNA sub aims. Aim 2 will also have an additional sub aim of GVL. Aim 3 will be a translational component assessing human GI tissue micro-environment before HSCT (if possible) and after HSCT. Levy to discuss/develop this idea further with Trent.

Follow up next week by phone 7/17 or 7/18.

**Brent** will work on a set of specific aims and continue preliminary work on cell segmentation analyses.

**Levy** will f/u with Victor about materials and tissues