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My lab's RNA focus:

1. RNA granules – organelle dynamics in microglial cells
2. RNA granules composition and impact on microglial cell function

Main methodologies:

1. Cellular models:
 - Cell lines & human iPSC-derived microglia
2. Experimental:
 - quantitative live-cell imaging, super-resolution microscopy, high-content imaging
 - organelle tagging and proteomics
 - RNA seq
 - FACS, Extracellular flux analysis

Collaborative potential:

1. Organelle activity evaluation, organelle dysfunction mechanisms
2. RNA granules visualization, dynamics and quantification
3. iPSC disease models, myeloid cell biology.