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Advisor: Dr. Matthew Bayliss

- **Research Interest:** *The Formation and Evolution of Gravitationally Lensed Galaxies*
- Utilize NIRSpec IFU & NIRCам data from ERS Cycles 1 & 2 as part of the LEGGOS collaboration to investigate the spatially resolved stellar populations and ISM characteristics of distant, gravitationally lensed galaxies.
- **Current Project:** Spatially Resolved Nebular Temperature and Density Maps of ~ 9 bright lensed galaxies at cosmic noon using line ratios with OIII 4363
- **Potential Cloudy Project Idea:** To explore the expected line fluxes/ratios in the integrated spectra of different gas clouds (HII regions) with different properties (T_e , n_e , metallicity)

