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- Understanding motility of social amoeba *D. discoideum*. (Rappel Group)
- Cell segmentation: Work with tiff files. Use edge detection, binarization etc. Previously used ML methods.
- < 100 GB per project. Use personal computers. Serial computing.
- Large(-ish) scale computing for quantitative insights.
- Develop own code using Scipy and MATLAB libraries. Gets the job done.

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- Want to know how to scale up the methods we use.
- Learn the best practices on large-scale computing, including basics of ML and parallel computing.
- I know where to start!