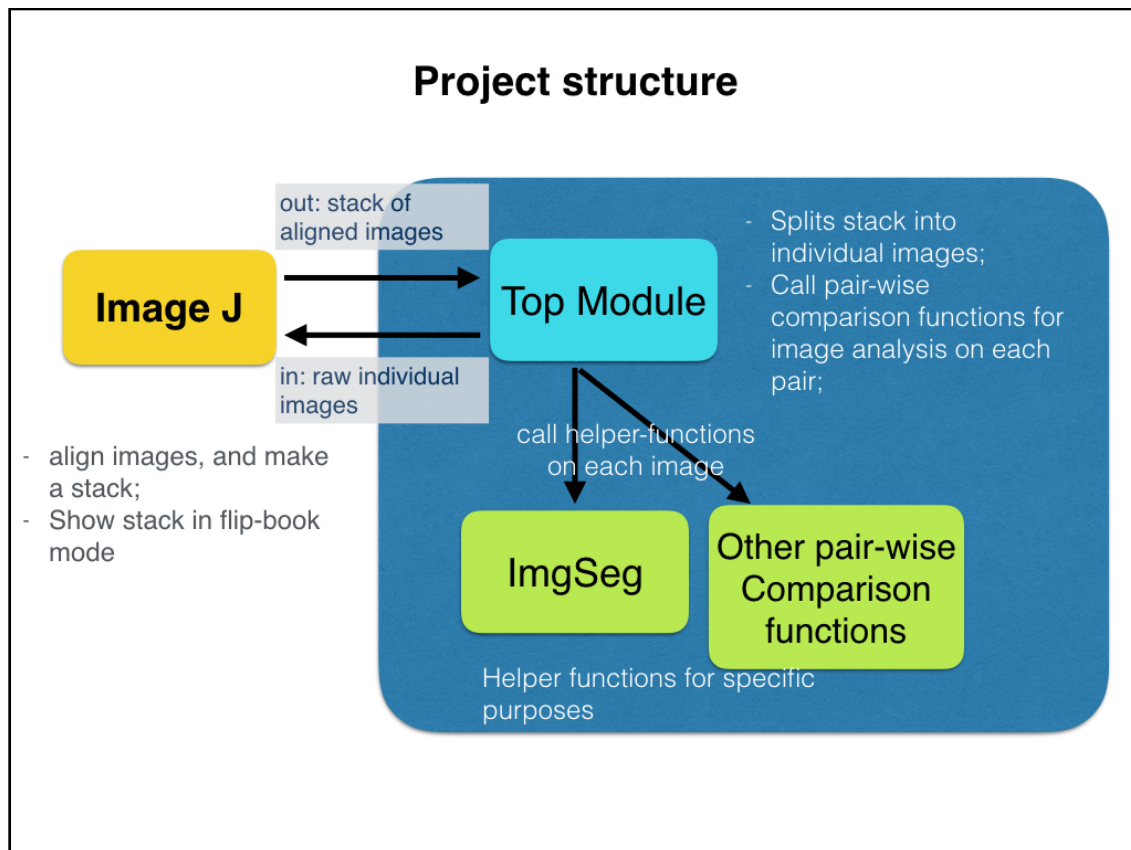


## Progress Report 2 Feb. 6, 2017

### Goal:

- **New project structure**; more modular (diagram below)
  - Top module: reads in a larger data set; and call helper function for image manipulation on each pair / individual images;
  - Helper functions pair-wise comparison functions
    - image segmentation on each image;
    - pair-wise comparison to refine segmentation results;
- **Version Control**: Set up a Git Repository for Version Control and easier take-over or code sharing;
  - Could easy go back to earlier versions of code;
- **Image alignment** using ImageJ;
- **Image Segmentation**:
  - Refine result: reduce noises by comparing adjacent frames,
  - Perhaps track key features between frames;



## **Trials and Thoughts:**

### **1. For align slices in stack:**

- 1) ImageJ: When choosing bounding rectangles, should first go to the center image, and set the bounding rectangle there;
- 2) Attempts: Draw bounding rectangle at different location of the frame;  
Conclusion: Setting bounding rectangle to the bottom edge of image works better, compared to setting it to any features; drastically improved compared to setting the box at top
- 3) Still slightly shaky after aligning;