Bleaching colonies:

1. Book kokerom (<https://teamup.com/kspmhxpdtnornubv95>) on level K1 for entire duration that will be using fume hood
2. Set dial to 2 (never zero)
3. Wear gloves
4. Work in fume hood
5. 1:3 dilution of Bleach:Distilled water
   1. *Steginoporella magnifica* may need a higher concentration
6. Put solution and colony into a solution and leave over night
   1. More fragile colonies need less time
   2. Leave a note so people don’t touch it!
7. Clean off bleach by putting it in water and use ultrasonic cleaner for less than a minute
8. Dry colonies under lamp on paper towels for a few hours
9. If fragile colony, maybe bleach then break

Labeling samples:

* keep bag name
* Add in sample number and give new bag?

Breaking colonies to fit into an SEM:

* If break off, put pieces in vials and keep same colony number

SEM:

* Turn on machine
* Open application
* need machine to not be in vacuum to change out chamber
  + light stop blinking and light on “air”
  + press glowing button on machine and
* load onto tray
  + not too close to roof
  + about 6.5 mm works well
* change file name and data display
  + menu 🡪 save condition settings 🡪 save settings & data display
* use knobs on machine to move specimen around
* set auto brightness, contrast, and focus
  + increase contrast by 2
* capture image
* use RR to rotate image
* write note of SEM numbers on specimen tag
* set the machine to evac mode before turning off