

The CNSI Innovation Workshop is comprised of the **main facilities in Elings 3430** and the **machining hub in Elings 2442**. The Innovation Workshop is used by a wide group of students, staff, and external users in order to reach their fabrication goals. We have 3D Printers, a laser cutter and traditional machine tools in addition to a variety of more specialized tools, such as polymer casting equipment for PDMS microfluidics and our custom CNC glass/silicon cutter.

This Wiki has information about: becoming a workshop user; safety, reference, and training information for the workshop tools; Standard Operating Procedures (SOPs); chemical safety references; and other generally useful reference material for working productively in the CNSI Workshops.

Workshop wizards are undergraduate students who maintain the labs, provide training to users, design new tools, and build parts for users. Dr. Brian Dincau is the workshop manager. Please feel free to contact any of us with questions or ideas that you want to discuss.

Lab Announcements

10/8/24

On this **Friday, October 11th**, we will be having an Elementary School tour from **12 - 1:30 pm**. We ask that you please plan to use any tool around this time as **lab tools will not be available during this time**. If you are free during this time and would like to share your research/experience with the elementary schoolers, please let Brian know as we believe that would be a cool opportunity for them!

9/18/24

All issues with the laser cutter have now been resolved. If you change any of the default settings in Corel Draw or Job Control, please make sure to change them back after use.

9/16/24

The **Bambu X1C is back in service**

06/06/24

This summer, **the Innovation Workshop is moving to Elings 3430**. For more information, [please see this memo](#).

In other news, we finally received a cartridge of **FormLabs Silicone 40A resin**. Please reach out to me if you are interested in using it for your research. It's about double the cost of other FormLabs resins, but has an unparalleled combination of softness & temperature resistance.

Hotlinks for Submissions and Requests

[Job Submission Google Form](#)

The job submission form allows you to upload files or request correspondence to get a part made by our workshop wizards.

[Training Request Google Form](#)

The training request form includes the new user orientation, which is required to become a user of

these labs.

[Access to the Workshops](#)

Please visit this page for information about becoming a new user and gaining card-key access to the labs.

Contact Information

Please reach out to Brian and/or the workshop wizards with questions or concerns about the lab and its tools!

Lab Manager

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Workshop Wizards

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Flynn: flynnirvine@ucsb.edu (In Edinburgh until Winter quarter)

Feedback

[Microfluidics Lab & Innovation Workshop Feedback Form](#)

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<https://microfluidics.cnsi.ucsb.edu/wiki/> - **Innovation Workshop Wiki**

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