

The CNSI Workshops are comprised of the **Microfluidics Lab in 3430 Elings Hall** and the **Innovation Workshop in 2442 & 2448 Elings Hall**. The Microfluidics Lab is used primarily by researchers building microfluidic devices, while the Innovation Workshop has a broader set of users including students, staff, and faculty who need access to a more traditional makerspace. Follow the links in the sidebar to explore the capability of the labs and to learn how to become a user.

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

02/26/24

The **waterjet is back**. After disconnecting, draining, then reconnecting the pump, the pressure came back up and stabilized. If you use the waterjet in the next few weeks, please pay attention to the flow rate. If it drops dramatically, accompanied by a water-hammer sound, please pause the cut and contact the lab manager.

02/23/24

The **waterjet is currently down**. The pump pressure is low and the pump is vibrating in an unhealthy way. We are working to restore the tool asap.

02/20/24

We are in the process of **merging the Innovation Workshop and Microfluidics Lab FBS Listings**. Once we are finished, you will be able to see all tool calendars from one location, rather than having to switch between facilities. **In the meantime, please continue using the separate facilities as usual**. We will send another update once the merge is complete, as well as an email announcement to all users.

01/12/23

The **Trotec laser cutter has been repaired**. A flange that holds the compressed air line sheared. We made a replacement flange with the waterjet and reattached the compressed air line. Please pay extra attention to your cuts for the next week or so and email bdincau@ucsb.edu if you notice anything out of the ordinary.

10/06/23

We now have a [Microfluidics Lab & Innovation Workshop Feedback Form](#)! Please use this form to let us know how we are doing, as well as provide suggestions for potential new tools or procedures.

09/18/23

We have redesigned our silanization chamber. The new chamber features polymer valves and

fittings which should not corrode like the stainless steel fittings used in the previous chamber. The silane agent is also stored in a sealed glass container now, so we can easily see when it is running low. Please take a moment to [review the new SOP](#) before using the tool. Report any issue to the lab manager, and note them in the log book.

03/22/2023

Starting April 1st, a reservation will be required for any and all lab use. Recharge will no longer be tied to door swipes, thus your compliance will be essential for accurate usage tracking and billing. If you are unfamiliar with making reservations in FBS, please see our [tutorial](#) and contact bdincau@ucsb with any questions or concerns.

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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Feedback

Microfluidics Lab & Innovation Workshop Feedback Form

From:

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

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Last update: **2024/02/26 19:04**

