



How to Make It and Use It – A Microfluidic Workshop University of North Carolina, Chapel Hill July 27-29, 2016

<https://cbmm.unc.edu/>
chanl.unc.edu

Purpose: This workshop will offer participants the opportunity to learn about patterning structures across different length scales (nm → μ m) and become familiar with a number of important application areas – microfluidics and nanofluidics for biological/biomedical applications. There will be lectures covering relevant technological and application areas with on-site visits and demonstrations of relevant equipment. The last day of the workshop will involve a hands-on experience; making a microfluidic device.

Intended Audience: Researchers wanting to learn more about what microfluidics can do, how to design devices for different application areas, and how to make microfluidic devices.

Venue: Chapel Hill Analytical and Nanofabrication Laboratory, located in Chapman Hall on the UNC Chapel Hill campus. Parking information here: <http://move.unc.edu/parking/visitor-parking/>. Directions to Chapman Hall: <http://chanl.unc.edu/directions/>.

Lectures: Day 1 (Wednesday, July 27th) – Basic principles on how to produce microstructures and nanostructures in a variety of materials. Day 2 (Thursday, July 28th) – Various biomedical applications of both microfluidics and nanofluidics.

Lecturers: Steven A. Soper, Carrie Donley, Bob Geil, Maggie Witek and Matt Hupert (UNC Chapel Hill); Michael Murphy, and Sungook Park (Louisiana State University)

Registration Fees: Day 1 & 2 Lectures - \$100 per day or \$175 for both days; Day 3 optional Hands-On Laboratory - \$150. Participants can sign up for one or both lecture days. The hands-on laboratory is limited to 20 participants.

Accommodations: Hotels within walking distance of the UNC campus: Carolina Inn, located at 211 Pittsboro St, Chapel Hill, NC 27516 / (919) 933-2001; The Franklin Hotel, located at 311 West Franklin St, Chapel Hill, NC 27516 / (919) 442-9000. For alternative hotel suggestions, please contact one of the people below.

Contacts: Steven A. Soper (ssoper@unc.edu); Carrie Donley (cdonley@email.unc.edu)

Registration: <http://tinyurl.com/h45ob42>

Sponsors: National Institutes of Health, National Science Foundation

