



**Dates:** June 24 – 30, 2017

**Location:** University of New Mexico, Albuquerque, NM, USA

**Sponsors:** Center for Biomedical Engineering, UNM  
Verity Software House

This course is taught by leaders in the field who have many years of hands-on teaching experience. In contrast to other flow courses, this one includes in-depth coverage of the underlying principles of flow (optics, engineering, detection, data acquisition/analysis, probe technology), as well as teaching the entire spectrum of applications in medicine and biology. The cornerstone of this course is a large set of hands-on laboratories that provide comprehensive coverage of the field, while allowing students to design their learning experience according to their individual interests and needs. Updates this year include new lectures and labs on microfluidic analysis/sorting, flow cytometry of extracellular vesicles, bead-based assays and analysis/sorting of large particles. Our approach facilitates intimate, small group interactions with instructors and fellow students interested in the subject, and so encourages networking and long term friendships. The laboratories use a wide range of flow cytometers and sorters, from the instrument the participants construct in the “Build It” lab to the most up-to-date commercial instruments from many of the leading vendors. Evening sessions include a vendors’ night during which participants can get hands-on experience with all of the instruments, an informal session on cutting-edge instrument development, and a Keynote lecture by Dr. David Basiji, a pioneer in the field of imaging flow cytometry, followed by a banquet and live entertainment at El Pinto restaurant.

For more information, testimonials and to register, visit our website:

<http://cbme.unm.edu/news/courses.php>