



**Title:** PhD Co-Op: Device-ability Skill Center

**Entity:** Sanofi-Genzyme

**Location:** Framingham, MA, USA

**Duration:** 6 months, 1/9/17 – 6/23/17

**Note:** Candidates must be available 40 hours per week, Monday-Friday

At Sanofi US, we are committed to the growth of our people, connected in purpose by career, life and health.

Headquartered in Bridgewater, NJ, Sanofi US is part of a leading global healthcare company dedicated to discovering, developing and distributing therapeutic solutions focused on patients' needs.

Sanofi has core strengths in diabetes solutions, human vaccines, innovative drugs, consumer healthcare, emerging markets, animal health and Sanofi Genzyme.

Sanofi US employs approximately 17,000 people across the country all dedicated to protecting health, enhancing life and responding to the hopes and potential healthcare needs of seven billion people around the world.

Commitment is our Strength. Ready to grow together?

Sanofi US endeavors to make our career center accessible to any and all users. If you are experiencing difficulty and need assistance applying online, please call 1-800-207-8049 Option 7, then Option 3.

### **Discover your future...**

Sanofi's university opportunities offer exposure to a fast-paced and collaborative environment. Student hires work side-by-side with biopharmaceutical professionals, providing an opportunity to make an impact in the lives of patients around the globe.

### **Job Description:**

Sanofi's Device-ability Skill Center is looking for an individual interested in researching the structural characteristics and biophysical properties of proteins in solution in order to predict physicochemical properties such as phase transition, solubility, viscosity, aggregation, opalescence, and interface interactions (PSVAOI). The individual will learn and perform various techniques to characterize different proteins in terms of biophysical parameters, generate (PSVAOI) profiles of those proteins to determine the predictability of those techniques, and explore the biophysical mechanisms underlying the PSVAOI profiles. In addition, the individual would also be encouraged to improve those techniques or create novel ones. Job responsibilities include preparing reagents for instruments and making various solutions. They also include formulating high concentration protein solutions by UF/DF, dialysis, or centrifuge spin filters. The individual would also perform standard characterization assays such as SE- and CEX-HPLC, DSC, SLS/DLS, rheological profiling, and charge measurements.

### **Qualifications:**

The individual will be pursuing a PhD (at least one year and plans to continue after the co-op) in a field that involves characterizing the behavior of proteins in solution in terms of phase transition, solubility, viscosity, aggregation, opalescence, and interface interactions. This would include disciplines such as Pharmaceutics or Pharmaceutical Sciences, Biophysics, Chemical Engineering, Biochemistry, or Material Sciences.

### **Basic qualifications:**

Experienced and comfortable with performing bench work in a wet laboratory setting and operating a variety of instrumentations. The individual would have routinely prepared samples for analysis by pipetting, weighted reagents for buffer preparation on microbalances and used stir plates for mixing, and used centrifuges for various purposes. The individual would also be able to work independently and in collaboration with others; have good organizational skills, attention to detail, and analytical skills; have good written, verbal, and interpersonal communication skills; and have a desire to work within a team environment.

**Preferred qualifications:**

In addition to the basic qualifications, the individual would have routinely prepared solutions of proteins in various formulations by UF/DF, dialysis, and centrifuge spin filters. The individual would also have knowledge of HPLC, DSC, SLS/DLS, rheology measurements, and charge measurements.

**Application Instructions:**

- Submit your resume to Shana Passonno
- As a required part of Sanofi's application process, please also apply through our website following the steps below:
  1. Go to <http://sanofiuscampus.com/>
  2. Click "Sanofi"
  3. Click "Apply Today"
  4. Select the position - 2017 Sanofi US University Recruitment Program (41524)
  5. Click "Apply Online"
  6. Follow steps to apply online

Sanofi US Services, Inc. and its U.S. affiliates are Equal Opportunity and Affirmative Action employers committed to a culturally diverse workforce. All qualified applicants will receive consideration for employment without regard to race; color; creed; religion; national origin; age; ancestry; nationality; marital, domestic partnership or civil union status; sex, gender, gender identity or expression; affectional or sexual orientation; disability; veteran or military status or liability for military status; domestic violence victim status; atypical cellular or blood trait; genetic information (including the refusal to submit to genetic testing) or any other characteristic protected by law.