Openings at Ascent Bio-Nano Technologies, Inc.  
*(Interns to Full-Time Engineers)*

Are you passionate to make an impact? We invite you to join us.

**Ascent Bio-Nano Technologies, Inc.,** *(AscentBioNano.com)* is a research spin-off formed in 2012 from The Pennsylvania State University and Duke University. Our motto is *Innovation for Impact*. The mission is to develop high-yield, high-purity, biocompatible cell separation devices using sound waves. Applications include: research, cancer diagnosis, blood processing and transfusions, etc. We have a strong IP portfolio of acoustofluidic (i.e., the fusion of acoustics and microfluidics) technologies, including exclusive license for 4 issued US patents and >10 issued/pending patents in China, Japan, Europe, and North America. Our passion is to commercialize world-leading acoustofluidic technologies to advance research, enhance health, and improve quality of life. To learn more about the technology platform, visit our collaborator’s website [https://acoustofluidics.pratt.duke.edu/](https://acoustofluidics.pratt.duke.edu/)

**Opening:** We are recruiting interns for entry level engineer or technician position. This is a paid internship with potential to become full-time employees. Only candidates with the potential and desire to become full-time employees immediately after intern will be considered. The interns will assist a team of R&D engineers and researchers to develop cutting-edge cell separation devices using sound waves. He or she should be:

- A good team player with good communication skill, comfortable working in startup environment
- A quick learner for new technology, knowledge, and information
- A practical problem-solver who could translate problems into solvable engineering projects, develop practical solutions, and deliver on time
- A self motivator who has a strong passion to make an impact

**The duties may include:** fabricate and prepare microfluidic devices for R&D engineers, biologists, and researchers, design mechanical structures and components for prototype assembly, test devices, assemble and troubleshoot fluidic systems, test and calibrate fluidic systems, assist on designing and testing electronic solutions for prototypes etc.

**Minimum requirements:**

- Local candidate who resides near Durham/Chapel Hill/Raleigh, North Carolina
- Bachelor degree in Biomedical Engineering, Electrical Engineering, or Mechanical Engineering. Candidates with Ph.D degrees are over-qualified for these positions.
- 3 months’ experience in a lab environment, with reference available upon request
- Minimum GPA: 3.0

A desired candidate will have some or most of the following experience:

**Microfluidics**

- Fabricate microfluidic devices
- Fluidic control, including microfluidics, valves, pumps, and pressure regulation
- Experience in troubleshooting common issues in microfluidic devices

**Electrical/Mechanical Engineering:**

- Design and build ready for evaluation and manufacture electronic and electromechanical prototype systems by selecting and assembling suitable components
- Design and test analog/digital electronic circuits in the RF frequency range including power RF
- Hands-on experience in soldering electronic components on circuit board
- Experience in testing electronic components or systems
- Hands-on experience in using Solidworks and AutoCAD for design
- Experience designing plastic parts and assemblies

**For application:**

We welcome interested candidates to send resume, transcript and reference to talent@ascentbionano.com