

Openings at Ascent Bio-Nano Technologies, Inc.

Ascent Bio-Nano Technologies, Inc., (www.ascentbionano.com) is a spin-off from The Pennsylvania State University and Duke University. Its mission is to make an impact to the society by commercializing innovative acoustofluidic (*i.e.*, the fusion of acoustics and microfluidics) technologies. Specifically, it develops and commercializes accurate, fast, and biocompatible acoustic-based cell/particle separation devices. It has a strong IP portfolio on acoustofluidic technologies (exclusive license for four issued US patents and several issued/pending patents in China, Japan, and Europe). The company motto is *Innovation for Impact*. To learn more about the technology platform, please visit our Duke collaborator's website: <https://acoustofluidics.pratt.duke.edu/>

Currently, we have multiple openings for **engineering consultants to full time (this could become a full-time position if it works out well)**. We invite engineers with passion to make an impact to the world to join us. The consultant should be a great team player who is comfortable working with a start-up team. The consultant will work with a team of R&D engineers and researchers in the development and commercialization of cutting-edge acoustofluidic devices.

Their duties will include some of the following:

- (1) improve performance, yield, reliability, and manufacturability of acoustofluidic devices,
- (2) interact with Duke researchers (<https://acoustofluidics.pratt.duke.edu/>), design companies, and manufacturing companies to achieve ready-to-manufacture devices and prototypes, and/or
- (3) implement top-notch engineering practices.

Minimum requirements:

- (1) Local candidates with residence near Research Triangle Park, NC;
- (2) BS or MS or Ph.D. degrees in mechanical engineering, electrical engineering, acoustics, biomedical engineering, chemical engineering, or other majors in science and engineering; and
- (3) Five or more years of industrial product development or R&D experience.

Candidates with some of the following experience will be preferred:

- (1) Extensive R&D or product development experience on research tools, microfluidic devices, ultrasonic products, analytical chemistry, sensing, or medical devices;
- (2) Experience on developing ready-to-manufacturing prototypes;
- (3) Knowledge of large-scale manufacturing processes including injection molding, lithography, soft lithography, 3D printing, automated assembly, and in-process testing;
- (4) Experience on interacting with vendors and suppliers;
- (5) Meeting and negotiating with potential customers; and
- (6) Understanding the market needs in biological research and clinical applications.

We also have several positions for junior-level interns. Anybody with a science/engineering background is eligible. These positions can also be converted into full-time positions if there is mutual interest.

If you are interested, please send your resume to tony.huang@duke.edu