

**POSITION: Instrument Technician**

**JOB TYPE: Full Time**

**LOCATION: Charlottesville, Virginia, USA**

## ABOUT LUMACYTE

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Our values, passion, and drive are based upon the desire to help humankind better understand disease and to accelerate the development and production of life saving advanced therapies and cures faster than ever before.

LumaCyte, Inc. is an advanced research and bioanalytics instrumentation company that produces label-free, single cell analysis instrumentation where the use of antibody or genetic labeling is not required for cellular analysis. This revolutionary technology utilizes Laser Force Cytology™ (LFC™) to measure optical and fluidic forces within a microfluidic channel, quantitatively characterizing innate cellular responses of subtle phenotypic changes based purely on the intrinsic biophysical and biochemical properties of cells; which can be used to measure cellular changes in response to their environment or treatment. The univariate and multivariate nature of the data has enabled a host of big data strategies and cloud computing capabilities that drive advanced analytics, allowing a deeper understanding of cell based biological systems. Applications of LumaCyte's label-free platform technology include viral infectivity for vaccine development and manufacturing, cell health, activation, transfection and transduction analytics for cell and gene therapy development and production monitoring, CAR T-cell immunotherapy, iPSC differentiation, adventitious agent testing (AAT), infectious disease, and pre-clinical drug discovery, in addition to multiple applications across advanced therapy biomanufacturing for real-time quality control.

**Innovate. Discover. Transform.™**

## JOB DESCRIPTION

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LumaCyte seeks an **Instrument Technician** to assist in the production and maintenance of LumaCyte's flagship product, Radiance®. As an Instrument Technician, you will be responsible for the production of a cell analysis instrument which will require working knowledge of

electromechanical, pneumatic, and optical systems. As your understanding of the product grows, your responsibilities will expand to supporting field operations and remote support. Our ideal candidate is looking for opportunities to expand their skillset and grow within their team through constant learning and a persistent mindset.

**Responsibilities include, but are not limited to:**

- Assemble, maintain, and install scientific instrumentation
- Act as a liaison to machine shops, fabrication services, and OEMs to procure and maintain inventory
- Develop a working knowledge of LumaCyte’s instrumentation in order to support customers and team members on site and in field (25% or less travel)
- Assist the R&D team in development of new products and technologies

**Skills & Requirements**

- Associates in a STEM program **or** 2+ years experience in a workshop/laboratory environment
- Demonstrated ability to problem solve electrical and mechanical issues
- Working knowledge of Microsoft suite
- Proven self-starter, good interpersonal and time management skills, and ability to work in a team environment with minimal supervision
- Exposure to basic operational safety training in a workshop environment
- Adherence to SDS protocols regarding proper handling of chemicals
- Adherence to safety protocols regarding proper handling of biological samples
- Strictly obey company PPE guidelines regarding laser safety, shop tool use, chemical handling, and biologics handling
- Working knowledge of cad software (SolidWorks)
- Experience with manual or CNC shop tools
- Experience with microcontrollers or C++ experience (Arduino IDE)
- Experience with small electronics repair or SMD rework
- Experience maintaining 3D printers

**APPLICATION INSTRUCTIONS**

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Please email your resume to us at [HR@lumacyte.com](mailto:HR@lumacyte.com), specifying the desired job position title(s) in your email.