Location: Houston, Texas
Job Type: Regular / Full Time
Reports to: Chemistry Manager

Applications Chemist

1st Detect, a fast growing spin-off company developing next generation, miniaturized chemical detectors (mass spectrometers) is seeking a chemist specializing in method development and customer support. The applications chemist will support product management and sales teams by developing customer specific applications for 1st Detect's mass spectrometer based product line. The applications chemist will also work with the product development and core engineering team to advance technical developments and provide post-sales customer support.

- Minimum Required Qualifications:
  - BS degree in Chemistry or related scientific field and 7 years experience or MS/ PhD in Analytical Chemistry, Physical Chemistry or related field and 3 years experience
  - 5+ years technical experience as a power user/developer in the mass spectrometry field
  - Experience testing and troubleshooting mass spectrometers and / or GC-MS instruments
  - Proven track record of analytical and problem-solving skills
  - Willing to travel up to 20% of the time
  - Ability to move 25 lb. boxes to a height of 4 feet and load them into and out of vehicles for event needs
- Principle Responsibilities will be:
  - Designing experiments and methods based on customer specific applications to demonstrate how small mass spectrometer technology can be used to solve real world problems
  - Documentation of applications development efforts in the form of application notes and technical presentations
  - Providing technical customer support for 1st Detect's mass spectrometer based product line
  - Supporting manufacturing and engineering teams by performing system level functional testing of miniature and industrial mass spectrometer and GC-MS products
  - Collaboration with engineers to improve instrument design and increase functionality
  - Test data collection, processing, interpretation, and documentation
- Desirable Experience:
  - Designing, building, and/or maintaining GC or GC-MS instruments & sample introduction systems
  - Providing first-point-of-contact customer support
  - Analysis or support / service in one or more key focus industry:
    - Petrochemical PAC/PAT
    - Environmental monitoring
    - Pharmaceutical manufacturing
    - Semiconductor AMC monitoring
    - Food and beverage
  - Engineering or software education or experience would be a plus
  - Preference will be given to candidates with active security clearance
- The ideal candidate will be:
  - Organized and able to meet deadlines
  - Able to work in a collaborative teamwork environment
  - Able to balance multiple projects
  - Motivated self-starter that assumes responsibility for tasks with minimal supervision or direction

1st Detect revolutionizes the chemical detection market by leveraging the analytical performance of a mass spectrometer, in a transportable instrument. The instrument is capable of satisfying the chemical detection requirements for a variety of markets, including industrial, food and agricultural, security, and defense. As a part of the 1st Detect team, you will have the opportunity to develop and expand your career, while interacting first hand in a group of talented and dedicated engineers and scientists.

EOE M/F/Disability/Veteran