**POSTDOCTORAL FELLOW**

Division of Technical Services

Position # CF673

Salary: $44,472 + full benefits

Location: Richmond, VA

**Grant Funded Position**

**Grant Funding is approved through 12/31/2021**

**Grant extension anticipated through August 2022**

The Department of Forensic Science is seeking a qualified applicant to work full-time in the Division of Technical Services Research Section. The grant-funded Postdoctoral Fellow will assist the Forensic Molecular Biologist in adapting a published differential extraction procedure using the DNAse I enzyme to the existing automation platform in the VDFS laboratory, the Biomek® NXP. The Fellow will learn to operate, write, test and optimize robotic methods using the automation platform, generate a variety of mock sexual assault test materials, perform DNA quantitation using qPCR methodologies, perform STR DNA profiling, and use statistical or other relevant analyses to assess outcomes of the testing.

**Required Qualifications:**

* Doctorate degree in biology, genetics, biochemistry, or closely related scientific field, with sufficient molecular biology courses or experience in DNA analysis (Applicant must currently possess degree or the degree must obtained within three months of job application submission.)
* Independent knowledge of the theoretical principles and applications of instrumentation and methodologies used to perform DNA profiling on human samples



* Significant experience using PCR and capillary electrophoresis
* Ability to work independently, set priorities, work efficiently, keep accurate records, accurately analyze samples, correctly interpret data and develop reasonable conclusions
* Ability to communicate effectively, both verbally and in writing, and work collaboratively with others
* Must be eligible to possess a valid driver’s license or have other means of reliable transportation

**Preferred Qualifications:**

* Employment experience in a forensic or DNA laboratory with considerable research experience using DNA typing technologies
* Experience handling and analyzing human biological fluids and tissues
* Knowledge and experience using basic statistical software
* Knowledge of laboratory quality assurance and quality control procedures
* Experience using automated liquid handling instrumentation
* Experience with writing robotic methods

**Selected candidate must provide a DNA sample via a buccal swab (saliva sample), be fingerprinted, drug tested and pass a background security check**

Applicants must apply electronically using the State of Virginia’s Recruitment Management System (RMS). RMS can be accessed using the link: <https://virginiajobs.peopleadmin.com>. This posting is open until filled. For assistance, contact Julie Smith at (804)588-4053.

**AN EQUAL OPPORTUNITY EMPLOYER**

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