

# DNA Analyst

Raleigh, NC

req6166

<https://ewaketalent.csod.com/ux/ats/careersite/3/home/requisition/6166?c=ewaketalent>

## What You'll Be Doing

The Raleigh/Wake City-County Bureau of Identification (CCBI) is adding DNA analysis to the forensic services provided by the CCBI Laboratory and is seeking applicants for the position of DNA Analyst.

### **Essential Functions:**

- Receive, analyze and maintain secure custody of items of evidence submitted for DNA analysis
- Perform DNA examinations including the collection of biological samples using approved procedures
- Generate STR profiles utilizing analytical DNA equipment and instrumentation
- Analyze and record DNA test data
- Interpret the data of complex DNA mixtures using probabilistic genotyping computer software
- Enter DNA data into CODIS
- Perform the preparation of case reports within the laboratory information management system (JusticeTrax LIMS-plus)
- Provide expert testimony in courts of law for DNA analysis results including providing relevant population statistics data
- Perform administrative and/or technical reviews of DNA casework conducted by other DNA Analysts
- Participate in the laboratory accreditation and quality assurance program
- Validate and maintain laboratory analytical equipment and instrumentation
- Assist with obtaining laboratory accreditation to ISO/IEC 17025:2017 and Federal Bureau of Investigation (FBI) DNA Quality Assurance Standards (QAS)

## About Our Team

The Raleigh/Wake City-County Bureau of Identification was established by the North Carolina General Assembly in 1937 in an effort to provide for the better enforcement of the criminal laws in Wake County. CCBI is a specialized bureau that functions as an independent multidisciplinary forensic services agency serving all law enforcement agencies having jurisdiction in Wake County. CCBI's mission is to continuously strive for perfection while setting the highest standards in crime scene investigation, forensic analysis of evidence and collection of criminal arrest information. For more detailed

information regarding CCBI and the services provided, please see our website at the following address: <http://www.wake.gov/ccbi>

#### The Basics (Required Education and Experience)

- Bachelor's degree in a biology-, chemistry-, or forensic science-related area with completed coursework (graduate or undergraduate level) covering the following subject areas: biochemistry, genetics, molecular biology and statistics and/or population genetics including a minimum of nine cumulative semester hours or equivalent that cover the required subject areas of biochemistry, genetics and molecular biology
- Six months of forensic human DNA laboratory experience
- Must obtain professional certification in Molecular Biology, Forensic DNA Analysis, or similar area of expertise Within 24 months of eligibility
- Successful completion of the FBI/QAS forensic auditor training course required within six (6) months of employment
- Equivalent education and experience are accepted

#### Beyond the Basics (Preferred Education and Experience)

- Master's degree in a biology, chemistry, or forensic science related area with successful completion of 12 semester or equivalent credit hours from a combination of undergraduate and graduate coursework covering the following subject areas: biochemistry, genetics, molecular biology and statistics or population genetics to include at least one graduate level course registering three or more semester or equivalent credit hours
- Four years of human DNA (current or previous) experience as a qualified analyst on forensic samples
- Currently or previously qualified in each technology utilized in the CCBI laboratory (e.g., QIAcube, QIAgility, EZ1/EZ2, ABI 3500 Genetic Analyzer, ABI and Promega autosomal and Y-STR typing kits) or complete documented training in each technology utilized in the laboratory within one year
- Previous successful completion of the FBI's DNA auditor training course
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#### How Will We Know You're 'The One'?

- Ability to monitor and collect research data to access accuracy, validity and integrity
- Ability to observe, monitor, collect and record data
- Ability to interpret and evaluate results and create reports and/or presentations
- Ability to accomplish tasks and processes accurately and completely
- Ability to assess the accuracy, validity and integrity of the data

- Knowledge of appropriate procedures for using and ability to use specific equipment or instruments to meet defined quality and quantity standards
- Ability to firmly adhere to codes of conduct and ethical principles
- Knowledge of appropriate data collection policy and procedures, filing systems, data management systems and programs
- Ability to build and maintain ongoing, collaborative, working relationships with coworkers to achieve the goals of the work unit
- Ability to arrange and assign work to use resources efficiently
- Knowledge and understanding of the FBI's Quality Assurance Standards (QAS)

#### About This Position

Location: Wake County Detention Center Raleigh, NC 27603

Employment Type: Regular

Work Schedule: Mon - Fri 8:30am - 5:00pm

Hiring Range: \$60,231 - \$81,315

Posting Closing Date: 7:00 pm on 6/24/2023