



ANALYTICAL CHEMIST - RESEARCH ASSOCIATE

Company Description

Anti-Doping Research is a dynamic new force in the fight against doping in sports. It was founded in 2005 by Don Catlin, M.D., and colleagues as an organization dedicated to addressing complex doping issues through novel approaches to research and testing. Current areas of research include improving detection methods for human growth hormone (hGH) and erythropoietin (EPO, a blood booster), two powerful and effective therapeutic drugs abused by athletes for doping purposes. ADR also performs analytical testing of biological samples and supplements (powders, capsules, liquids...) for steroids, stimulants or other banned substances. Thanks to our partners in the horseracing industry, we also apply our extensive experience in human doping to improving the equine testing environment. Clients include major sports organizations, pharmaceutical companies, and various horseracing groups in the United States.

Job Description – Duties & Tasks

The Research Associate will participate in analytical testing and research design and perform related scientific tasks as required and as determined by the individual in conjunction with supervisors and management. The employee will be asked to regularly exercise individual judgment and apply original and creative thought to the activities, approach and scientific process. Specific tasks that may be included are: receiving and extraction of urine, blood, or other specimens; chain of custody; general chemistry including solution and sample preparation; performing instrument analysis using GCMS and/or LC-MS-MS and related instrumentation; organizing data and documents for technical reports and presentations; sharing general lab maintenance responsibility. Additional tasks may be included based on demands of the organization. Employee will be exposed to new areas such as IEF, SDS-PAGE, and other protein analysis techniques.

Qualifications – Skills, Knowledge and Abilities

A B.S. or M.S. in chemistry, biochemistry, molecular biology or related field is required. At least one year of bench work experience and/or demonstrated ability is required. Prior laboratory experience must include the ability to use pipetting devices, centrifuges, pH measuring devices and balances, etc. Hands-on experience with at least one of the following is a must; LC-MS-MS, GCMS, or other Chromatographic or Mass Spectrometry devices. Ability to create independent ideas and apply them to organizational goals is required. Candidate must be capable of following detailed and precise oral and written procedures. Must be willing to work as part of a research team, multi-task and establish cooperative working relationships. Basic computer skills are required. Additional knowledge and experience with electrophoretic techniques, SDS-PAGE, Western blot, IEF, and common protein detection techniques including staining and immunoblotting, and familiarity with SOP and laboratory accreditation a plus.

Candidates should forward their curriculum vitae or any additional inquiries to Oliver Catlin by email at ocatlin@antidopingresearch.org