

Senior Chemist

Are you....

Interested in making critical contributions to critical challenges?

Passionate about applying your scientific knowledge and experience toward solving the country's toughest national security challenges?

Searching for an engaging career with an employer that prioritizes innovation and collaboration?

If so, we're looking for someone like you to join our team at APL. [Apply today!](#)

We are seeking a Chemist that is talented, highly motivated, thinks outside-of-the-box, and possesses a deep curiosity and a drive for learning! You will support ongoing research projects countering weapons of mass destruction (WMD), identify, characterize, and propose new initiatives for defeating chemical WMD and synthetic opioid production and deployment.

As a Chemist, you will....

- Conduct research for the detection or defeat of chemical warfare agents (CWAs) or pharmaceutical based agents (PBAs)
- Be involved in emerging technologies such as machine learning applications, continuous flow systems, or microfluidic based platforms.
- Create strategies for generation of novel therapeutics that are a primary need to our military sponsors.
- Conduct Research to support sector and group goals, and develop and test novel concepts for chemical defeat technologies.
- Prepare funding proposals, documents, and reports.

You'll meet our minimum qualifications for the job if you....

- Possess a Ph.D. degree in chemistry, chemical engineering, materials science or a related discipline, with extensive background in experimental chemistry or materials science.
- Have two or more years of experience related to detection, protection, or defeat of chemical WMD and chemical threat agents.
- Are self-motivated and capable of working collaboratively in a team environment with scientists and engineers representing a variety of different backgrounds, skills, and experience levels.
- Possess the ability to think independently, work well with others, present unbiased evaluations of data and other information in technically complex situations.
- Have demonstrated skill in technical writing and delivering presentations for scientific and non-scientific audiences.
- Are able to obtain Secret level security clearance. If selected, you will be subject to a government security clearance investigation and must meet the requirements for access to classified information. Eligibility requirements include U.S. citizenship.

You'll go above and beyond our minimum requirements if you....

- Have a track record of peer-reviewed publications.
- Demonstrated experience in proposing new research ideas, and developing white papers and proposals.
- Possess technical skills that include synthetic techniques, spectroscopy, and/or sensor development.
- Have experience with methods for analysis of technologies, policy, and operations related to chemical WMD.
- Have experience in the management of teams to complete tasks or projects.
- Special Working Conditions: Travel 15-25%
- Hold an active Secret security clearance. If selected, you will be subject to a government security clearance investigation and must meet the requirements for access to classified information. Eligibility requirements include U.S. citizenship.

Why work at APL?

The Johns Hopkins University Applied Physics Laboratory (APL) brings world-class expertise to our nation's most critical defense, security, space and science challenges. While we are dedicated to solving complex challenges and pioneering new technologies, what makes us truly outstanding is our culture. We offer a vibrant, welcoming atmosphere where you can bring your authentic self to work, continue to grow, and build strong connections with inspiring teammates. At APL, we celebrate our differences and encourage creativity and bold, new ideas. Our employees enjoy generous benefits, including a robust education assistance program, unparalleled retirement contributions, and a healthy work/life balance. APL's campus is located in the Baltimore-Washington metro area. Learn more about our career opportunities at www.jhuapl.edu/careers.

Additional Information

- Primary Mission Area: Homeland Protection
- Requisition ID: 25131
- Security Clearance Required on Start Date: Clearance not required
- Final Security Clearance Required: Secret