

Biologist/Pharmacologist/Toxicologist/Physical Scientist/Chemist

ENVIRONMENTAL PROTECTION AGENCY

- ☐ FEW vacancies - Durham, NC
- ☐ FEW vacancies - Arlington, VA

Work Schedule is Full-time -
Permanent

Opened Thursday 10/20/2016
(4 day(s) ago)

☐ Closes Wednesday 11/9/2016
(16 day(s) away)

Salary Range

\$87,094.00 to \$119,794.00 / Per Year

Series & Grade

GS-0405, 0415, 1320, 0401, 1301-
13/13

Promotion Potential

13

Supervisory Status

No

Who May Apply

Any U.S. citizen may apply.

Control Number

453793400

Job Announcement Number

RTP-ORD-DE-2016-0073

Job Description

Job Summary

[About the Agency](#)

Earth Day is every day at EPA! At EPA, you can protect human health and the environment of all Americans, and you'll discover that EPA is one great place to work! We offer great benefits and work flexibilities, and our diverse workforce connects to more than just a career--we share a common passion to promote a cleaner, healthier environment.

This position is located in the Office of Research and Development, National Center for Environmental Assessment (NCEA), Integrated Risk Information System Division or NCEA-Washington Division, in Arlington, VA **or** Durham, NC.

The location is yet to be determined. The duty station will be determined after a selection has been made for this position. The salary will be commensurate with the duty location.

For more information on this office, visit their website: <https://www.epa.gov/aboutepa/about-office-research-and-development-ord>

Except in special circumstances, those new to the federal government will be hired at the starting salary (**step 1**) of the applicable grade range listed above.

One or more positions may be filled.

Duties

You will:

- Develop and apply mathematical models, including relevant statistical analyses and physiologically based pharmacokinetic models for the analysis of toxicological and related data to characterize health risk from environmental pollutants.
- Review quantitative analysis of exposure response information.
- Contribute to the writing of the appropriate sections of toxicological review documents.
- Serve on teams, committees or workgroups and communicate the results to managers.

You will spend less than 25% of your work time on contracts.

Relocation Authorized

- No

Job Requirements

Key Requirements

- If you are selected, a pre-employment background check is required.
- You must submit resume and required documents (See How to Apply)
- Position has educational/degree requirements. (See Qualifications Section)
- EPA and non-EPA applicants must submit transcripts/course listings.
- You may be required to travel 1 to 5 days per month.
- You must be a U.S. citizen.

Qualifications

You need a degree or combination of education and experience as described below to qualify for this position.

Biologist: You must have a bachelor's degree from an accredited or pre-accredited college or university in one of the following: biological sciences, agriculture, natural resource management, chemistry, or related disciplines appropriate to the position; **OR** a combination of education and experience with courses equivalent to a major, as listed.

Pharmacologist: You must have a bachelor's degree from an accredited or pre-accredited college or university in biological, medical, veterinary, or physical science, or in pharmacy that **included** at least 30 semester hours in chemistry and physiology **and** 12 semester hours in pharmacology.

Toxicologist: You must have a bachelor's degree from an accredited or pre-accredited college or university in toxicology, or an appropriate discipline of the biological, medical, or veterinary sciences that **included** at least 30 semester hours in chemistry, biochemistry, or physiology, **and** 12 semester hours in toxicology.

Physical Scientist: You must have a bachelor's degree from an accredited or pre-accredited college or university in one of the following: Physical science, engineering, or mathematics that **included** 24 semester hours in physical science **and/or** related engineering science such as mechanics, dynamics, properties of materials, and electronics; **OR** a combination of education and experience with education equivalent to one of the majors listed that **included** at least 24 semester hours in physical science and/or related engineering science.

Chemist: You must have a bachelor's degree from an accredited or pre-accredited college or university in one of the following: physical sciences, life sciences, or engineering that **included** 30 semester hours in chemistry, supplemented by course work in mathematics through differential and integral calculus, **and** at least 6 semester hours of physics; **OR** a combination of education and experience with education equivalent to one of the majors listed that included the described course work.

As part of the application process, you are required to submit college transcripts or a list of courses as described in the Required Documents section of this announcement. However, if you are selected, you must provide official educational transcripts before you start work with EPA. More information on verification of education can be found here:

<http://www.epa.gov/careers/epa-job-vacancy-announcements-policies-and-procedures>

In addition to the educational requirements, we are looking for at least one year of specialized experience related to this position as described below:

To qualify for the **GS-13** level, you need to have at least one year of full time experience equivalent to the GS-12 level defined as developing mathematical models and performing statistical analyses of data pertaining to the biological response of organisms to environmental stressors; performing quantitative human health risk assessments to assess the health effects of exposure to environmental pollutants; **OR** developing physiologically-based pharmacokinetic models.

Your answers to the on-line assessment will be used to evaluate your competencies in the following areas: **1)** Skill in mathematical modeling of biological systems or in physiologically-based pharmacokinetic modeling approaches; **2)** Knowledge of the statistical approaches for the analysis of health effects of environmental stressors; **3)** Ability to identify areas where new quantitative tools are needed and develop methods, tools or databases to fill those needs; **4)** Knowledge of the practices, concepts and issues related to quantitative health risk assessments; **5)** Skill in written communication; **6)** Ability to work collaboratively in multi-disciplinary teams; **7)** Skill in oral communication.

Experience refers to paid and unpaid experience, including volunteer work done through National Service programs (e.g., Peace Corps, AmeriCorps) and other organizations (e.g., professional; philanthropic; religious; spiritual; community, student, social). Volunteer work helps build critical competencies, knowledge, and skills and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience. If you are selected, you must complete a one year probationary period.

This position is designated as Moderate Risk and requires a background investigation. Unless an appropriate background investigation is already on record with the Office of Personnel Management, you must undergo a background investigation.

Security Clearance

Public Trust - Background Investigation

Additional Information

What To Expect Next

You can track the progress of your application package via your USAJobs account.

You will receive an acknowledgement from USAJobs that your submission was successful, once we have received your on-line occupational questionnaire, resume and any supporting documentation.

You will be notified of the status of your application **via** your USAJobs Account after we conduct a qualification review of your complete application package.

You will be contacted if further evaluation or interviews are required. Any exaggeration of your experience, false statements, or attempt to conceal information may disqualify you for employment consideration. We may verify all information you provide in your resume and questionnaire responses, through reference and/or background check, and/or verification of your education.

If you are selected, you will be contacted personally by the human resources office posting this announcement.

BENEFITS

[Review our benefits](#)

Join EPA in protecting human health and the environment and enjoy many work life quality options! Working for the EPA offers you a comprehensive benefits package that includes, in part, paid vacation, sick leave, holidays, life insurance, health benefits, and participation in the Federal Employees Retirement System.

To learn more about us, visit [Life and Careers at EPA](#).

Other Information

Position has portable work and selectee **may** be eligible to telework.

Are you a Displaced Federal Employee? If so, please read the Required Documents and visit the EPA website for additional information: <http://www.epa.gov/careers/epa-job-vacancy-announcements-policies-and-procedures>

EPA participates in e-Verify. E-Verify is an Internet based system operated by the Department of Homeland Security (DHS) in partnership with the Social Security Administration (SSA) that enables participating employers to electronically verify the

employment eligibility of their newly hired employees. For additional information: <http://www.epa.gov/careers/epa-job-vacancy-announcements-policies-and-procedures>

It is the policy of the Government not to deny employment simply because an individual has been unemployed or has had financial difficulties that have arisen through no fault of the individual. Information about an individual's employment experience will be used only to determine the person's qualifications and to assess his or her relative level of knowledge, skills, and abilities. Although an individual's personal conduct may be relevant in any employment decision, including conduct during periods of unemployment or evidence of dishonesty in handling financial matters, financial difficulty that has arisen through no fault of the individual will generally not itself be the basis of an unfavorable suitability or fitness determination. For more information, visit https://hru.gov/Studio_Recruitment/tools/Mythbuster_on_Federal_Hiring_Policies.pdf.

This information is used to determine your qualifications for employment. The use of this information is authorized under Title 5 USC, Sections 3302 and 3361.

If you have part-time work experience, read this: <http://www.epa.gov/careers/epa-job-vacancy-announcements-policies-and-procedures>

If you are selected, travel, transportation, and relocation expenses **will not** be paid by EPA. Any travel, transportation, and relocation expenses associated with reporting to work in this position will be **your** responsibility.

How to Apply

You are *strongly* encouraged to read the entire announcement before you submit your application for this position.

To begin the application process, click the Apply On-line button to the right on this screen, follow the prompts to log-in/register, submit all required documents, and complete the assessment questionnaire. To be considered, you must submit a complete application package by 11:59 PM Eastern time on the day the announcement closes.

All required supporting documents will be collected *electronically* via the USAJobs document portfolio feature.

If you cannot apply on-line, you must contact the Human Resources Office listed to the right for assistance no later than three business days prior to the closing date of this announcement. You must provide complete application materials by the day the announcement closes.

For detailed instructions to assist you in ensuring your application package is received, go to <http://www.epa.gov/careers/epa-job-vacancy-announcements-policies-and-procedures>

How You Will Be Evaluated

We will review your resume and required documents to ensure you meet the basic qualification requirements.

Your resume must address the **knowledge**, **skills**, and **abilities** listed in the Qualifications Section.

If you meet basic qualification requirements, your application will be further evaluated based on your answers to the on-line assessment. Your responses to the on-line assessment will be used to measure the degree to which your background matches the requirements for the position. You are being evaluated under the category rating method which means, if you are determined to be qualified, you will be placed into the **Best Qualified**, **Well Qualified**, or **Qualified Category**.

We will compare your resume and supporting documentation to your responses on the assessment questionnaire. If you rate yourself higher than is supported by your application materials, your responses may be adjusted and/or you may be excluded from consideration for this job. We will evaluate your qualifications and eligibility and notify you if you meet minimum qualification requirements.

NOTE: We do not require a separate statement responding to the competencies, also referred to as Knowledge, Skills and Abilities (KSAs). However, your resume should clearly show possession of these competencies.
To preview questions please [click here](#).

Required Documents

Documents to be submitted on-line:

--**Resume** clearly stating your experience related to this position as described in the Duties Section and Qualifications Required Section. In describing your experience, you need to be clear and specific. We may not make assumptions regarding your experience.

--**Responses** to the on-line assessment questionnaire.

--**College transcripts** - required to submit either unofficial transcripts or a list of courses that includes school(s) attended, school address, course title, grades earned, completion dates, department, and quarter or semester hours earned.

--**Veterans' Preference Documents** - DD-214 Member 4 copy (or other copy indicating character of service), VA letter stating overall/combined disability rating (percentage), and SF-15, if applicable; active duty service members: submit certification from the armed forces documenting active duty dates, expected discharge/release date, campaign medals/badges, and character of service (a certification is any written document from the armed forces that certifies you are expected to be discharged/released from active duty service in the armed forces under honorable conditions within 120 days after you submit the certification).

--**Displaced Federal employees under ICTAP/CTAP** - copy of your most recent performance appraisal, proof of eligibility, and your most current SF-50 noting position, grade level, tenure, and duty station.

Additional information can be found on our web site:

<http://www.epa.gov/careers/epa-job-vacancy-announcements-policies-and-procedures>



Environmental Protection Agency

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