

Ames Laboratory

Professional and Scientific Level Description

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JOB TITLE: Associate Scientist

GRADE: 37

JOB SUMMARY: The Associate Scientist conceives, designs and conducts research projects (individually and within the group). Research results are reported through publications and presented at professional meetings. The Associate Scientist is involved in writing research proposals for future funding of research projects.

DUTIES AND RESPONSIBILITIES: Conceives, designs and conducts research projects. Analyzes, summarizes and reports scientific research reports. Performs highly complex, nonstandardized work which involves several complicated and significant variables. Conducts theoretical and experimental investigations and develops novel experimental techniques. Supervises Assistant Scientists, Technicians, Postdocs, and students. Reviews journal articles for publication. Authors manuscripts for publication and presentation. Provides direction to research program. Provides technical advice and assistance in the preparation of research proposals and technical publications. Defends research results at national and international scientific meetings. Submits proposals for independent research grants. Collaborates with scientists (on & off campus) to share scientific information. Provides consultative advice to others within area of expertise. Maintains familiarity with current literature and methodologies.

EDUCATION/EXPERIENCE: Ph.D. in physical science or engineering plus two years experience (may be concurrent with Ph.D) or M.S. degree plus five years of experience.

KNOWLEDGE, ABILITIES AND SKILLS: Advanced knowledge of research field. Skills in applying broad or in-depth knowledge to difficult research problems.

EXTRAORDINARY WORKING CONDITIONS: May work in a laboratory environment with chemicals and/or research equipment. May require work at irregular hours to complete experimental processes. Travel to professional conferences or professional development activities may occur on a regular basis.