



# Molecular Biologist III

Salary Group: B20

Class Code: 4216

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
MOLECULAR BIOLOGIST I	4212	B16	\$34,918 - \$55,130
MOLECULAR BIOLOGIST II	4214	B18	\$39,521 - \$64,449
<b>MOLECULAR BIOLOGIST III</b>	<b>4216</b>	<b>B20</b>	<b>\$45,158 - \$73,788</b>
MOLECULAR BIOLOGIST IV	4218	B22	\$51,614 - \$84,479
MOLECULAR BIOLOGIST V	4220	B24	\$59,004 - \$96,720

## GENERAL DESCRIPTION

Performs highly complex (senior-level) molecular biology work. Work involves planning and conducting nucleic acid analyses and testing of materials, reagents, and clinical/non-clinical specimens; conducting research studies; and preparing technical reports of molecular biological test results. May supervise the work of others. Works under limited supervision, with considerable latitude for the use of initiative and independent judgment.

## EXAMPLES OF WORK PERFORMED

Plans and conducts the analysis of specimens using advanced molecular techniques for the diagnosis and/or detection of bacteria, viruses, parasites, and/or genetic characteristics.

Conducts research and developmental work concerning emerging nucleic acid technologies.

Summarizes research data, documents findings, and prepares reports and research papers.

Consults with staff on proper advanced molecular biology research, analysis, and interpretive procedures.

Verifies and reviews molecular biology test results.

Provides specifications for advanced molecular test reagents, equipment, and supplies.

Develops and implements molecular genetic laboratory procedures, safety guidelines, or guidelines for laboratory assessments and/or accreditation.

Interprets molecular biology laboratory and analytical results for use in regulatory determination decisions.

May consult with local, state, and national partners concerning results.

May supervise the work of others.

Performs related work as assigned.

## GENERAL QUALIFICATION GUIDELINES

### EXPERIENCE AND EDUCATION

Experience in molecular biology work. Graduation from an accredited four-year college or university with major coursework in molecular biology, genetics, biochemistry, immunology, microbiology, or a related field is generally preferred. Experience and education may be substituted for one another.

### KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of the multidisciplinary principles and advanced techniques of biology, molecular biology, genetics, immunology, chemistry, physics, math, and statistics; of unidirectional workflow and aseptic techniques to reduce the potential for contamination; and of emerging molecular technologies.

Skill in the operation of molecular laboratory equipment and in the use of a computer and applicable software.

Ability to conduct advanced molecular analyses and tests, to interpret molecular biology test results, to prepare reports, to develop procedures, to communicate effectively, and to supervise the work of others.