



Molecular Biologist V

Salary Group: B24

Class Code: 4220

<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
MOLECULAR BIOLOGIST III	4216	B20	\$45,158 - \$73,788
MOLECULAR BIOLOGIST IV	4218	B22	\$51,614 - \$84,479
MOLECULAR BIOLOGIST V	4220	B24	\$59,004 - \$96,720

GENERAL DESCRIPTION

Performs highly advanced (senior-level) molecular biology work. Work involves overseeing the operations of a molecular biology laboratory involved in nucleic acid analysis and testing of materials, reagents, and clinical specimens. May supervise the work of others. Works under minimal supervision, with extensive latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Oversees the activities of an advanced molecular biological laboratory.

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

Oversees training, evaluation, and quality control programs.

Oversees and conducts research projects; interprets research data; documents findings; and prepares technical reports and research papers.

Prepares and evaluates molecular genetic laboratory procedures, safety guidelines, or guidelines for laboratory assessments and/or accreditation.

Consults with management and determines the appropriate advanced molecular biology methods for examinations.

Consults with local, state, and national partners concerning results.

Determines appropriate specifications for advanced molecular reagents, equipment, and supplies.

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

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.