



Molecular Biologist IV

Salary Group: B22

Class Code: 4218

<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 advanced (senior-level) molecular biology work. Work involves coordinating molecular laboratory operations; 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 biology test results. May supervise the work of others. Works under minimal supervision, with considerable latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Coordinates the activities of an advanced molecular biology laboratory.

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

Coordinates and conducts research projects, interprets research data, documents findings, and prepares technical reports and research papers.

Consults with staff on proper advanced molecular biological research, analysis, and interpretive procedures; and assists in determining the appropriate advanced molecular biology methods for examinations.

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

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

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

Verifies and reviews molecular biology test results.

Consults 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.