

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

RESEARCH SCIENTIST III

POSITION CODE: 38233
Effective: 11-1-70

DISTINGUISHING FEATURES OF WORK:

Under general direction, directs the performance of, and participates in, highly complex scientific research work in the causes, diagnosis and treatment of mental, somatic, behavioral, aging and social disorders; uses biological, behavioral or other techniques in an institution's or division's multiphasic research program.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Develops new areas of investigation for scientific research; outlines techniques and procedures to other project personnel; develops and standardizes research procedures.
2. Directs, and participates as an active member of, a scientific project team in the performance of difficult experimental techniques and complex data-gathering and analysis operations.
3. Performs complex experiments and analyses of biological, behavioral and clinical data and draws inferences and conclusions relevant to the evaluation of diagnostic and treatment methods and to the establishment of normative standards.
4. Plans and directs the work of associates or assistants in conducting experiments and the analyses of research data; establishes and checks adherence to control techniques and procedures.
5. Reviews the reports and findings of research in problem areas; presents and interprets research results to associates, laboratory and clinical personnel.
6. Coordinates research activities and the training of associate, assistant and technical personnel.
7. Maintains work-related professional contacts with scientists in universities, hospitals, and professional organizations in this country and abroad.

RESEARCH SCIENTIST III (Continued)

8. Reviews domestic and foreign scientific literature applicable to current research activities and utilizes such data to advance the studies of the program.
9. Prepares scientific research data for publication; prepares and delivers speeches to various professional and lay groups.
10. Designs and develops new apparatus for experimentation.
11. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires (a) knowledge, skill and mental development equivalent to graduation from an approved school of medicine or (b) an appropriate Doctorate degree in either anthropology, biochemistry, chemistry, physiology, psychology, sociology, statistical-mathematical, or related sciences.

Requires one year of professional research experience.

Knowledges, Skills and Abilities

Requires thorough knowledge of basic research in the causes, diagnosis and treatment of mental, behavioral, aging and social disorders in an area of investigation.

Requires ability to direct, train, and maintain harmonious working relationships with other research personnel.

Requires ability to plan, perform, analyze, interpret, and prepare reports on independent and original scientific research.

Requires ability to deliver lectures to various professional and lay groups.