CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
OPEN EXAMINATION - CONTINUOUS TESTING
RESEARCH SCIENTIST MANAGER (VARIOUS SPECIALTIES)

LR47	**5661**	**CHEMICAL SCIENCES**	**2H1BV**
LR48	**5662**	**EPIDEMIOLOGY/ BIOSTATISTICS**	**2H1BW**
LR49	**5657**	**FOOD AND DRUG SCIENCES**	**2H1BX**
LR50	**5669**	**MICROBIOLOGICAL SCIENCES**	**2H1BY**
LR51	**5670**	**PHYSICAL/ENGINEERING SCIENCES**	**2H1BZ**
LR52	**5671**	**SOCIAL/BEHAVIORAL SCIENCES**	**2H1CA**

Bulletin Release Date: May 27, 2015
This bulletin supersedes the bulletin released on January 7, 2015

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.

WHO SHOULD APPLY: Persons who meet the minimum qualifications (entrance requirements) as stated on this announcement may take this examination, which is competitive.

HOW TO APPLY: Applications must be submitted via the U.S. Postal Service or hand delivered to the Department of Public Health Human Resources Office (hours are 8:00 AM to 5:00 PM). Standard State Applications (STD. 678) can be found at: **http://jobs.ca.gov/pdf/std678.pdf.** Submit Standard State Application to:

Mailing Address:
California Department of Public Health
Selection & Certification Unit
MS 1700-1702
P.O. Box 997378
Sacramento, CA 95899-7378

File in Person Address:
California Department of Public Health
Selection & Certification Unit
1501 Capitol Avenue, Suite 71.1501
Sacramento, CA 95814
Telephone: (916) 319-9759

DO NOT SUBMIT APPLICATIONS TO THE STATE PERSONNEL BOARD OR THE CALIFORNIA DEPARTMENT OF HUMAN RESOURCES. ALSO, THE DEPARTMENT OF PUBLIC HEALTH WILL NOT ACCEPT APPLICATIONS SENT ONLINE, VIA INTER-AGENCY MAIL OR FAX.

FINAL FILING DATE: The testing office has established the following application cut-off date: February 24, April 24, June 24, August 24, October 24 and December 24. Submission of applications after the cut-off date will not be accepted for the current examination, but will be held for the next scheduled examination.

TESTING PERIOD: A candidate may be tested only once during any testing period. The testing period for this classification is January 1 through December 31.

SALARY RANGES: $ 9069 - $ 10298 per month

EMPLOYEE BENEFITS:

In addition to the salary above the California Department of Public Health offers benefits in the following areas:

- Health, Dental, and Vision
- Cash Benefit Programs
- Disability Insurance
- Work, Home, and Family
- Beneficiary and Survivor Benefits
- Awards
- Retirement and Separation Benefits
- Flexible Schedules
- Public Transit Reimbursement (limits apply)

A complete description of all benefits may be viewed at http://www.calhr.ca.gov/Pages/home.aspx

POSITION DESCRIPTION: The Research Scientist Manager is responsible for the supervision of Research Scientists I through V, Research Scientist Supervisors I and II, and other staff as appropriate and serves as the only managerial level of this series. Organizationally, incumbents are in the top management structure and are responsible for the management of a large group of scientific and nonscientific staff, composed of supervisors and nonsupervisors, typically totaling 15 or more professional State and/or contract employees. Programs with high visibility requiring unique scientific expertise in which the incumbent has independent science-based, decision-making responsibilities at a State and national level may manage fewer personnel. Incumbents provide management guidance and leadership in planning and directing scientific research studies or public health investigations that have advanced broad statewide and national scientific scope, complexity, and the highest sensitivity and policy impact. Under broad administrative direction, incumbents conceive, plan, organize, and direct the most difficult, advanced, complex, and highly original scientific research studies or public health investigations; provide leadership and coordinate scientific research studies and scientific investigations involving local, State, and Federal public health agencies. Incumbents make original, independent decisions on complex scientific problems using scientific theories and principles on association and risk and develop hypotheses on causes and also test these hypotheses. The work complexity at this level has special significance for the establishment of State and national public health policy and legislation. Incumbents provide advice and guidance to top management on the most critical scientific public health matters as a leading expert in the field based on professional standing; direct the analysis of all relevant, available, scientific, technical, medical, and other information from sources within and outside the organization, and direct the integration of this information into the decision-making process; direct the development of proposed scientific research studies if relevant information is not available; provide scientific technical expertise and can serve as a spokesperson for the department in a science area appropriate to their educational qualifications; consult with department management and others in areas appropriate to their qualifications and participate in the development of public health policy; provide scientific support and direction for the legal, legislative, and regulatory actions that occur in public health policy development; direct the publication of scientific research, or investigations conducted on a statewide basis; make presentations to State and national public health experts and the community; direct the interpretation of research findings for use in public health policy development by upper management; and perform other related work.

CHEMICAL SCIENCES: Incumbents in this parenthetical are distinguished from other Research Scientists by being required to analyze and draw conclusions from research studies of chemistry as related to public and environmental health. This work requires broad knowledge of chemistry in the areas of analytical chemistry, physical chemistry, organic chemistry, and biochemistry. Scientific research and investigation can also be conducted in pharmacology, toxicology, drug chemistry, food chemistry, biochemistry, environmental chemistry, clinical chemistry, immunochemistry, and molecular biology. Research study conclusions are used to improve detection and identification of chemicals and biochemicals including toxic chemicals, metabolites, nutrients, pharmaceuticals, and enzymes; assess environmental fate and transport of chemical pollutants; assess exposure pathways and body burdens of chemical pollutants in humans and biological receptors; assess relationships between body burdens and resultant health or ecological effects; to evaluate environmental or human exposures, effects, or risks; and investigate methods and technologies that have the potential to prevent adverse public and environmental health effects of chemical exposures.

Positions may exist with the California Department of Public Health in Alameda County and Contra Costa County.

EPIDEMIOLOGY/BIOSTATISTICS: Incumbents in this parenthetical are distinguished from other Research Scientists by being required to design, conduct, analyze, and draw conclusions from epidemiologic or biostatistical investigations. These investigations apply statistical and survey techniques and biologic theory for the purpose of describing and understanding the distribution and determinants of disease, health, and genetic conditions in the population and the response of the health care system. Subspecialties focus on infectious agents (general communicable diseases, zoonotic diseases, food borne diseases, vector borne diseases): nutrition and lifestyle factors; social or environmental factors; health promotion; chemical and physical agents in the environment; chronic diseases and injuries; detection, distribution, and treatment of genetic disorders; other genetic influences on disease; and the efficacy of public health, clinical medical, and other interventions in modifying these influences. Scientific research, disease surveillance, and epidemiologic-based investigations are conducted to identify the source of human illness or injury, to prevent or control its occurrence, and to measure the effectiveness of those controls. Scientific research, disease surveillance, and epidemiologic investigations could evaluate the entire ecology of illness occurrence at the molecular or genetic level using molecular epidemiology.

Positions may exist with the California Department of Public Health in Contra Costa County and Sacramento County.

FOOD AND DRUG SCIENCES: Incumbents in this parenthetical are distinguished from other Research Scientists by being required to analyze and conduct research studies on food, cosmetic, and consumer product safety, and drug and medical device consumer product safety and effectiveness. Subspecialties in this parenthetical focus on food product safety, drug product safety, cosmetic product safety, or medical device product safety. Work in a subspecialty requires advanced knowledge in a specific area of food microbiology, nutrition, food technology, food biochemistry, food or drug chemistry, drug pharmacology, biomedical device engineering sciences, or risk assessment. Research studies and investigation conclusions are used to ensure the production of safe foods, drugs, cosmetics, and medical devices. In food borne illness outbreaks, investigations are conducted and, using scientific risk assessment procedures, the potential sources of contamination are identified and controlled through scientific research on the source of contamination and the

implementation of new food manufacturing procedures. Incumbents, working in drug, cosmetic, or medical device safety have knowledge of the technologies used to uniformly assure the safety and effectiveness of these consumer products; locate, review, and evaluate current relevant scientific information and expert opinion to determine whether investigational new drug or device studies are adequately designed and controlled to generate scientifically valid and useful data; consult with other scientists, evaluate scientific data, and recommend necessary control measures to minimize adverse health outcomes; and verify that all scientific data submitted in support of industry claims is accurate and that foods and cosmetics are safe and drugs and medical devices are safe and effective.

Must meet the requirements to be commissioned by the United States Food and Drug Administration (FDA) prior to appointment to the position.

Positions may exist with the California Department of Public Health in Contra Costa County, Los Angeles County and Sacramento County.

MICROBIOLOGICAL SCIENCES: Incumbents in this parenthetical are distinguished from other Research Scientists by being required to analyze and draw conclusions from research studies of the microbial, viral, and immunologic aspects of infectious diseases. Work in a subspecialty requires broad knowledge in a specific area of bacteriology, parasitology, mycology, virology, microscopy, molecular biology/microbial genetics, food, and water microbiology. Research study conclusions are used to improve detection and identification of infectious disease-causing microorganisms; define mechanisms and modes of infectious disease transmission; identify mechanisms of tissue injury; support improved investigation of infectious disease outbreaks; and improve methods to prevent infectious disease transmission.

Positions may exist with the California Department of Public Health in Alameda County and Contra Costa County.

PHYSICAL/ENGINEERING SCIENCES: Incumbents in this parenthetical are distinguished from other Research Scientists by being required to analyze and draw conclusions from research studies of the physical and engineering sciences relevant to public and/or environmental health. This work requires broad knowledge in Physical/Engineering Sciences in areas such as non-industrial indoor air quality, community air quality, occupational air quality, air pollution control, mechanical or ventilation engineering, atmospheric pollution, atmospheric physics, microscopy, material sciences, and industrial hygiene. Engineering and physical science research and investigations can be conducted in areas such as radiation safety, environmental safety, occupational safety, and water safety. Research study conclusions are used to improve detection and identification of physical agents of public and/or environmental health significance; identify sources, environmental fates, and transport of physical agents; assess exposure pathways and body burdens of physical agents in human and biological receptors; assess the relationships between body burdens and resultant health and ecological effects; and investigate technologies which have potential to protect public health and the environment from effects of exposures to physical agents. Incumbents provide consultation to industry and other governmental agencies on the scientific technological aspects of water safety, radiation safety, environmental safety, and occupational safety as appropriate to technical expertise.

Positions may exist with the California Department of Public Health in Contra Costa County.

SOCIAL/BEHAVIORAL SCIENCES: Incumbents in this parenthetical are distinguished from other Research Scientists by being required to apply the theoretical models and research methods of the social/behavioral sciences, particularly the disciplines of psychology, sociology, anthropology, economics, and political science as they relate to public health issues. Work in this parenthetical requires knowledge in one or more of these disciplines to conduct analyses of personality, community, cultural, family, economy, and policy on health, health behavior, treatment, and disease prevention in California. This specialty carries out scientific work related to the evaluations of public health programs. Among the factors the incumbent examines for health behavior implications are: social and economic trends, race, social and economic inequality, economic impacts and cost factors of policies, ethnic diversity, personality and psychological factors, individual and organizational performance, community dynamics and structure, and community and statewide decision making and policy development. The results of this research would be used in developing new effective public health prevention programs focused on preventing unhealthful behaviors and promoting health by behavior modification through health education.

Positions may exist with the California Department of Public Health in Sacramento County.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION: It is your responsibility to make sure you meet the education and/or experience requirements stated on this announcement on the date you submit your application. Your signature on your application indicates that you have <u>read</u>, <u>understood</u>, and <u>possess</u> the basic qualifications required.

> NOTE: Applications **must** include “to” and “from” dates (month/day/year), time base, job titles and/or civil service class title(s), and range (if applicable) for all work experience. College course Information **must** include title, number of semester or quarter units, name of institution, completion dates, and degree. **Applications received without this information will be rejected. Applicants <u>must</u> submit a copy of official transcripts along with the application when using education to meet the entrance requirements for this examination.**

MINIMUM QUALIFICATIONS: One year of experience in the California state service performing duties comparable to a Research Scientist Supervisor II.

AND

Possession of a doctoral degree in the stated specialty or a closely related field or a degree of Doctor of Medicine.

Or II

Two years of experience in the California state service performing duties comparable to a Research Scientist V in the stated specialty or in a closely related field. (Possession of a recognized professional Board certification in the stated specialty or possession of a master's degree in Public Health or preventive medicine may be substituted for one year of the required experience.)

AND

Possession of a doctoral degree in the stated specialty or a closely related field or a degree of Doctor of Medicine.

Or III

Five years of experience in the California state service performing duties comparable to a Research Scientist IV in the stated specialty, or in a closely related field. (Possession of a recognized professional Board certification in the stated specialty or possession of a master's degree in Public Health or preventive medicine may be substituted for two years of the required experience.)

AND

Possession of a doctoral degree in the stated specialty or a closely related field or a degree of Doctor of Medicine.

Or IV

Broad and extensive research or scientific investigation experience (more than five years) in the stated specialty or in a closely related field. This experience must have included major responsibility for the design, conduct, and analysis of a large or highly complex and difficult scientific research, and experience in the development, planning, and operation of multidisciplinary, complex, and difficult scientific research program involving coordination of several groups of disciplines, recruitment and training of personnel, budgeting and accounting of funds, and preparation of major reports and scientific publications. (Possession of a recognized professional Board certification in the stated specialty or closely related field or possession of a master's degree in Public Health or closely related field may be substituted for two years of the required experience.) At least one year of this experience must be at a level of responsibility equivalent to that of a Research Scientist Supervisor II.

AND

Possession of a doctoral degree in the stated specialty or in a closely related field.

Or V

Broad and extensive scientific research experience (more than five years) in a field of medical specialization relevant to the stated specialty or in a closely related field. This experience must have included major responsibility for design, conduct, and analysis of complex scientific research, or responsibility for the administration and coordination of large, complex multidisciplinary, or multi-institutional scientific research programs. Two years of approved residency in a medical specialty relevant to the class title may be substituted for one year of the required experience. At least one year of this experience must be at a level of responsibility equivalent to that of a Research Scientist Supervisor II.

AND

Possession of the degree of Doctor of Medicine.

The required degree must have been obtained from a recognized U.S. university or from a foreign university approved by the Bureau of Private Postsecondary and Vocational Education under the provision of California Education Code Chapter 3, Part 59, Division 10.

GENERAL QUALIFICATIONS: In addition to the scope defined on this announcement, candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required.

EXAMINATION INFORMATION: The examination will consist of a Supplemental Application that is weighted 100%. The Department of Public Health reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules and all competitors will be notified.

ELIGIBLE LIST INFORMATION: Possession of the entrance requirement does not assure a place on the eligible list. In order to obtain a position on the eligible list, a minimum rating of 70% must be attained. Names of successful competitors are merged into the open list established for use by the Department of Public Health in order of final scores regardless of

testing date. Eligibility expires 24 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

Eligible Lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first.

VETERANS' PREFERENCE: Will be awarded in this examination, pursuant to Government Code Section 18973.1, effective January 1, 2014, as follows: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for veterans' preference; 2) An entrance examination is defined, under the law, as any open competitive examination; 3) Veterans' Preference is not granted once a person achieves permanent civil service status.
HOW TO APPLY FOR VETERANS' PREFERENCE: The California Department of Human Resources (CalHR) has information on how to apply for Veterans' Preference on their website at www.jobs.ca.gov and on the Application for Veterans' Preference form (CalHR 1093). Additional information is also available at the Department of Veterans Affairs website at www.cdva.ca.gov.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD device.
The California Relay (Telephone) Service for the deaf or hearing impaired:
MCI from TDD: 1-800-735-2929 MCI from voice telephone: 1-800-735-2922
Sprint from TDD: 1-888-877-5378 Sprint from voice telephone: 1-888-877-5379

California Department of Public Health

SECURITY INFORMATION FOR PARTICIPANTS

Preparation, Development, Review of
State Civil Services Examination Material

EXAMINATION TITLE: Research Scientist Series (Various Specialties)

State law requires that civil service examinations are confidential and impartial. We ask that you assume a personal responsibility in maintaining the competitive aspects and confidential nature of this examination. The personal information that you provide on this form is required for documentation purposes. All information will remain confidential.

As a candidate, you must comply with the following test security standards:

1. DO NOT REVEAL the fact that you are participating in the examination process to anyone.

2. DO NOT DISCUSS any aspect of the examination with anyone. This includes supervisors, peers and co-workers. This security limitation includes information on all questions and answers.

I certify that:

1. I will not reveal to anyone that I am participating in this examination.

2. I will not discuss any aspect of this material with anyone.

3. I will adhere to all the established security measures.

I hereby certify and understand that the information provided by me in this supplemental application is true and complete to the best of my knowledge and contains no willful misrepresentation or falsification. I further understand that this information may be verified and that, if it is discovered I have made any false representations, I will be removed from the promotional list resulting from this examination, and possibly dismissed from civil service.

_____ _____
Signature Date

_____
Printed Name

Return this page with your original signature along with your Supplemental Application.

Please ensure that your return envelope has adequate postage. Facsimiles (FAX) or electronic versions (email) will not be accepted under any circumstance.

CONDITIONS OF EMPLOYMENT (631)

Examination Title: Research Scientist Manager (Various Specialties)

Name: _____
(Print: first, middle initial, last)

FFD: Continuous

If you are successful in your examination your name will be placed on the active employment list and certified to fill vacancies according to the conditions you specify on this form. If you are unwilling to accept work or do not reply promptly to communications your name will be placed on the inactive list.

Locations in which you are willing to work:
Please indicate your choices - you will not be offered a job in locations not checked.

MARK CENTRAL REGION COUNTY CHOICES:
_____ 0100 Alameda _____ 0700 Contra Costa _____ 3400 Sacramento

MARK SOUTHERN REGION COUNTY CHOICES:
_____ 1900 Los Angeles

TYPE OF EMPLOYMENT DESIRED:
ON A PERMANENT BASIS, I AM WILLING TO WORK:
_____ Full Time _____ Part Time (regular hours less than 40) _____ Intermittent (on call)
_____ Limited Term

ON A TEMPORARY BASIS, I AM WILLING TO WORK:
_____ Full Time _____ Part Time (regular hours less than 40) _____ Intermittent (on call)
_____ Limited Term

It is your responsibility to notify the Department of Public Health, Selection and Certification Unit, of any changes in your address or availability for employment. All correspondence must include your examination title, identification number and Social Security number.

Signature: _____ Date: _____

Return this page with your original signature along with your Supplemental Application.