

**National Health and Environmental Effects Research Laboratory
Director, Toxicity Assessment Division**

Background

This position is located in the Toxicity Assessment Division (TAD), National Health and Environmental Effects Research Laboratory (NHEERL), Office of Research and Development (ORD), Research Triangle Park, North Carolina. NHEERL is responsible for formulating and implementing a comprehensive research program to investigate the effects of environmental pollutants and other anthropogenic stresses on human health and the ecosystems in which we live. NHEERL is the focal point for toxicological, clinical, epidemiological, and ecological research within the Agency. NHEERL scientists utilize a broad range of molecular, cellular and animal assays and models in support of the Agency's health and ecological risk assessment processes. These include the application of predictive pharmacokinetic/pharmacodynamic models, ecosystem function theory, and advanced extrapolation methods to improve the scientific underpinnings of the Agency's risk assessments and regulatory/policy decisions. In addition to its intramural research, NHEERL fosters collaborative research projects with other government agencies and academic and other scientific institutions to complement NHEERL mission-oriented efforts as well as to insure that the Agency has the benefit of the highest quality peer-reviewed science. NHEERL has seven major components; three are located in North Carolina and four are geographically dispersed in Oregon, Minnesota, Florida and Rhode Island.

This is a five year, renewable, term position under the Agency's Title 42 Program. The incumbent of this position is recognized as an expert in the area of toxicological mechanisms and responses of target organ systems to environmental chemicals and other non-chemical stressors.

Major Duties and Responsibilities

The incumbent is responsible for scientific leadership of the Division and has substantial hands-on involvement and participation in the scientific research of the Division. It is expected that the incumbent will serve as a leader in the development and oversight of an innovative, integrated toxicology assessment research program that will incorporate a variety of disciplines including developmental biology, reproductive biology, endocrinology and neurosciences. In the framework of the recently reorganized NHEERL health program, the incumbent will coordinate the TAD program with the other relevant programs within NHEERL that will involve close interaction with the Integrated Systems Toxicology Division and the Environmental Public Health Division. In addition, the incumbent will serve as a lead for developing collaborative research projects with entities outside NHEERL, both within and outside the Agency. The TAD Director will serve as a lead for communicating the impact of the research both to partners within the Agency and to entities outside the Agency. The incumbent will have substantial involvement in directing the research of the TAD staff. It is anticipated that the incumbent will spend

approximately 40% time in the broad oversight of research and in the development of new research directions; 40% time in supervision and mentoring; and 20% serving as an expert to other NHEERL programs and leading the broader program across ORD.

Responsibilities will include:

1. Serves as the Director for the Toxicity Assessment Division. In this scientific leadership role, the incumbent plans, develops, oversees, directs, and implements a highly technical and complex science research program that has nationwide impact and a staff of approximately 67 employees located in RTP, North Carolina.
2. Serves as leader of an integrated research program in the assessment of toxicological effects in target organ systems including developmental, reproductive, endocrine or neurological effects and interactions between such systems. This leadership includes enhancing the program by incorporating and integrating molecular and cellular level approaches with assessment of functional changes in well designed, state-of-the-art animal toxicological studies.
3. Serves as a member of the Senior Leadership Research Coordination Committee that will prioritize research projects for NHEERL Health Divisions.
4. Serves as senior spokesperson/representative for ORD in the area of toxicity assessment, including participation on workgroups within and outside EPA.
5. Working in close coordination with appropriate management and staff across all NHEERL Divisions and ORD laboratories and centers, the incumbent will seek to maximize integrated, multidisciplinary collaborations in addressing the Agency's high priority science issues. In a similar manner, the incumbent will proactively seek to influence the research agendas of outside research organizations and further collaborative opportunities.

Extramural Resources Management

This position has no extramural resources management responsibilities.

Supervisory Controls

The incumbent will report to the NHEERL Associate Director for Health. The supervision provided to the incumbent is in the form of guidance at the research and administrative levels. The nature of the supervisory relationship is characterized by a high degree of confidence in, and reliance on, the incumbent's productivity, competence, and judgments such that there is an unusual level of support for his/her recommendations. It is expected that the individual selected to fill this position will be recognized by management as a leader responsible for planning, designing, and managing research programs. Interpretations, recommendations and conclusions made by the incumbent which have major impact on matters of great urgency and significance are furnished to

other agencies and the professional community without reference, to or knowledge of, higher authority in the Agency.

Qualification and Scientific Contributions

The incumbent must have a doctoral degree in a scientific discipline related to TAD's research. He/she should be nationally and internationally recognized as an authority and leader on complex problems of concern to EPA for which toxicity assessment is relevant. The incumbent is expected to have received honors and awards from major national and/or international organizations for his/her accomplishments. He/she should be sought after as an advisor and expert on scientific and technological programs relevant to TAD's mission. As evidence of his/her qualifications and scientific contributions, the incumbent may also: 1) hold elected position(s) in scientific societies; 2) serve on journal editorial boards; 3) have received an extensive number of invitations to write and speak on issues related to toxicological sciences; 4) have written numerous book chapters and peer reviewed publications in high quality journals; 5) serve in leadership roles on numerous task forces/committees; and, 6) have been an advisor to national and international institutions/governments.