CREM Post-Doc Announcement:

To apply, please follow instructions on the OSA Post-Doc Program website. The deadline for submitting applications is April 24, 2009

Division:	Council for Regulatory Environmental Modeling (CREM)
Geographical Location of Position:	Washington, DC
Title of Project:	Computer Modeling for Environmental Decision Support
Brief Description of Project:	We are seeking a highly motivated individual to provide expertise and leadership in the CREM's efforts to help ensure that the Agency's model-based decisions are founded on the best available, practicable science and are legally defensible. Candidates should have experience developing and applying environmental models and should be broadly familiar with a variety of statistical methods for sensitivity and uncertainty analysis. In addition, an interest in IT and technology used to support the development of environmental models is desirable. Duties associated with this position include the following: ▪ Assist in development of guidance on conducting uncertainty and sensitivity analyses. The incumbent shall apply his/ her expertise in identifying, collecting and communicating information on the appropriate uncertainty and sensitivity analysis approaches and tools for model-based decision making. In particular, special emphasis will be placed on analyzing and understanding the propagation of uncertainty in integrated models. ▪ Scientific Leadership to advance the state of research in model development and use. The incumbent shall provide expert guidance to program and regional office staff, and others regarding all major aspects of EPA's development and use of models. The incumbent shall also participate in the development and implementation of modeling projects and the dissemination of the products produced as a result.
High Priority Research Area(s):	Enhanced "Science and Research" as specified in sub-objectives of Strategic Goals 1 through 4 of the EPA Strategic Plan 2006-2011. Ultimately, improved environmental management decisions are enabled by improved decision support tools. Supports "Results and Accountability", "Innovation and Collaboration" and "Best Available Science" cross-goal strategies under the 2006-2011 EPA Strategic Plan.
Projected duration of appointment:	3 years
Educational Requirements:	Ph.D. in the Physical Sciences, Engineering, Computational Biology, Bioinformatics, Mathematical Sciences or a related discipline.
Specialized training and/ or experience preferred:	The successful candidate should have experience developing and applying environmental models and a demonstrated publication record in this area as well as an interest in policy-relevant applications. A working knowledge of statistics is required and advanced statistics is preferred. Excellent written and oral communication skills are needed. Previous experience convening scientific workgroups is desirable.

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