UT Southwestern Medical Center

Postdoctoral Training in Signaling and Gene Regulation using Proteomics and Mass Spectroscopy

Dr. W. Lee Kraus is currently seeking applicants with a Ph.D. degree and significant experience in mass spectroscopy for postdoctoral training in the Laboratory of Signaling and Gene Regulation within the Cecil H. and Ida Green Center for Reproductive Biology Sciences. The research in the Kraus lab covers a broad array of topics, including signaling, gene regulation, and genome function, especially in the areas of chromatin, transcription, epigenetics, RNA biology, and nuclear endpoints of cellular signaling pathways. We are interested in a wide variety of model systems and experimental approaches, including biochemistry, molecular biology, structural biology, animal models, genomics, proteomics, bioinformatics, and computational biology.

For this position, we are particularly interested in applying advanced mass spectrometry approaches to study the regulatory functions of site-specific post-translational modifications, especially ADP-ribosylation. Projects in the lab cover signal-regulated transcription in the chromatin environment of the nucleus, with a focus on the estrogen and nuclear NAD^+ signaling pathways, PARPs, and non-coding RNAs in mammalian biological systems (e.g., hormone signaling, inflammation, ES cell biology, adipogenesis, and metabolism).

Information on our postdoctoral training program, benefits and a virtual tour can be found at http://www.utsouthwestern.edu/postdocs.

Candidates should hold a Ph.D. in a relevant field of science. Successful applicants will receive competitive pay and benefits commensurate with the applicant's level of experience. Please submit a CV or resume, brief statement of interests and accomplishments, and a list of three references in one .pdf or .doc file by e-mail to:

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