

## *2006 Nebraska Research Expo Displays*

<i>Name</i>	<i>Description</i>
Atorod Azizinamini	Magnetic Based Non-Destructive Instrument to Detect Corrosion in Bridges
Michael Dixon	Poster showing how UNMC takes cutting edge scientific discoveries from bench to bedside by applying a systematic process of technology transfer. Converting discoveries into new technologies and products may take as long as a decade and involves the work of multiple units within UNMC along with the cooperation of outside industry and business. Innovations which reach the marketplace can be expected to strengthen the research enterprise, improve the public health and positively impact our local economy. The Intellectual Property Office is the first point of contact for UNMC researchers as they begin to access services and support along the technology transfer continuum.
Charles Kuszynski	Poster defining the THE UNMC FLOW CYTOMETRY SHARED RESOURCE: A TOOL FOR RESEARCH AND DEVELOPMENT. Abstract: The UNMC Cell Analysis Facility is a full service flow cytometry and cell sorting facility providing research flow cytometry services to investigators in the academic and corporate sectors. The laboratory functions as a fee for service entity open for support of basic and clinical research. Flow cytometry has been used for applications such as vaccine validation, drug discovery, hybrid plant development, clinical trials and high throughput screening. The Cell Analysis Facility offers a wide range of flow cytometry based assays including 1-10 color multi-parametric immunofluorescent studies, DNA based cell cycle analyses, bead based immunoassays, cell sorting by flow cytometric and magnetic bead methods, and comprehensive data analysis. The Cell Analysis Facility personnel are extensively experienced in all types of flow cytometry procedures, their combined expertise spans more than 50 years. This expertise is available to assist you in designing flow cytometry applications tailored to your needs. For more information contact: Dr. Charles Kuszynski or Ms. Linda Wilkie at (402) 559-6267.
Oleg Shats	Nebraska Informatics Center for the Life Sciences (NICLS)  The Center facilitates the integration of the biocomputing/informatics disciplines with the life sciences and coordinates cross-campus and state-wide efforts in bioinformatics, chemoinformatics, pharmacoinformatics, computational chemistry, and computational biology.
Laurey Steinke	The Protein Structure Core Facility at the University of Nebraska Medical Center provides protein analysis for investigators both inside and outside the Nebraska University System. Investigators within the University system are subsidized by the Nebraska Research Initiative. The PSCF provides amino acid analysis, N-terminal sequencing by Edman degradation, MALDI-TOF Mass Spectrometric analysis, and protein identification by LC/MS/MS.
Patrick Swanson	The Creighton University Flow Cytometry Core Facility provides two state-of-the-art flow cytometers for multicolor cell analysis and cell sorting available on a fee-for-use basis to investigators in the Nebraska scientific community. Together with representatives from BD Biosciences, we provide information on the capabilities of our instruments in this display.