“Bioinformatics and Biomedical Computing in Nebraska”

The exhibition and conference, “Bioinformatics and Biomedical Computing in Nebraska,” a minitrack of infotec 2003, is a combined effort of the Nebraska Informatics Center for the Life Sciences (NICLS), Biomedical Research Infrastructure Network at Nebraska (BRIN), the Bioinformatics Research Laboratory at the University of Nebraska-Lincoln (BRL) and the Secure Distributed Information Infrastructure Group at the University of Nebraska (SDI) and is made possible by NSF EPSCoR and BRIN funding.

By providing opportunities for communication, the exhibition and conference will facilitate collaboration among researchers, educators, students and entrepreneurs. The focus of the talks and poster presentations will be related to applications of bioinformatics, the ongoing development of a biomedical computing infrastructure in Nebraska, and current educational activities.

Tuesday, April 8

10:00 am – 6:00 pm
Booths

10:00 am – 12 noon
Oral Presentations

10:00 • Bioinformatics: From Basic Science to Clinical Research and Health Care
Dr. Simon Sherman, Professor, UNMC

10:30 • Bioinformatics — an Emerging Discipline: Educational Opportunities in Nebraska
Dr. Hesham Ali, Professor, UNO

11:00 • Biomedical Research Infrastructure in Nebraska
Dr. James Turpen, Professor, UNMC

11:30 • Opportunities for Software Companies to Assist in Bioinformatics Training
Dr. Ruben Donis, Professor, UNL

12 noon – 1:30 pm
Lunch Break

1:30 – 3:00 pm
Oral Presentations

1:30 • Proteomics and Bioinformatics: Biology and Medicine Meet Physics and Computer Science
Dr. Ron Cerny, Research Associate Professor, UNL

2:00 • Granule Computing for Bioinformatics: A Layman’s Perspective
Dr. Zhengxin Chen, Professor, UNO

2:30 • High-performance Distributed Computing for Biological Applications
Dr. David Swanson, Research Assistant Professor, UNL

3:15 – 5:00 pm
Poster Sessions

5:00 pm – 6:00 pm
Pizza for registered Bioinformatics Track participants

Wednesday, April 9

10:00 am – 3:00 pm
Booths