

Nebraska Research and Innovation Conference

Afternoon Parallel Track Sessions

*Bridging Bioinformatics,
Structural Biology and
Molecular Genomics*

*Biomechanics and
Technology for Research*

*Interface of Engineering
and Biology*

*Building and Developing
Talent and Teams*

Entrepreneurship

*Partnerships for
Research Collaboration,
and Technology Transfer*

PROGRAM

Parallel Sessions 1:30-2:50	<p>1:40-2:20 pm “Infectious Proteins, Protein Assembly Disorders and Structural Inheritance” Yury O. Chernoff, <i>Georgia Institute of Technology</i></p>	<p>1:30-1:55 pm “Infant Postural Control: New insights for diagnosis and treatment of motor disorders” Natasa Kyvelidou, <i>UNMC</i></p>	<p>1:30-2:00 pm “Nucleosome dynamics - single molecule AFM study” Yuri Lyubchenko, <i>UNMC</i></p>	<p>1:30-2:10 pm “Next Generation Innovators” Greg Adams, <i>State Senator</i> Marty Mahler, <i>Executive Director, Nebraska P-16 Initiative</i> Randy Vlasin, <i>FutureForce</i></p>	<p>1:30-2:10 pm “Angel Investing in Nebraska” John Brasch, <i>UNL</i> Moderator: Richard Baier</p>	<p>1:30-2:50 pm “Partnerships for Tomorrow's Energy” John McClure, <i>Vice President of Government Relations and General Counsel, Nebraska Public Power District</i></p>
	<p>2:20-2:50 pm “Expression, Reconstitution, and Characterization of the Connexin43 Carboxyl Terminus Attached to the 4th Transmembrane Domain” Paul Sorgen, <i>University of Nebraska Medical Center</i></p>	<p>1:55-2:20 pm “Biotechnology in Stairs Negotiation” Shing-Jye Chen, <i>UNO</i></p>	<p>2:00-2:30 pm “Tools for Biological Electron Tomography, What's New and What Can it do for my Research” Richard Gursky, <i>FEI Company</i></p>	<p>2:10-2:50 pm “The Role of Collaboration Science in Creativity and Innovation” Roni Reiter-Palmon, <i>Institute for Collaboration Science, UNO</i> Moderator: Marty Mahler</p>	<p>2:10-2:50 pm “Top Ten Tips for Building a Successful Technology Business Plan” Anne York, <i>Creighton</i> Moderator: Richard Baier</p>	<p>Bonnie Ziemann, <i>Deputy Director, Nebraska Energy Office</i> John Hanson, <i>President, Ag Development Inc.</i> Todd Sneller, <i>Executive Director, Nebraska Ethanol Board</i> Moderator: David Conrad</p>
	<p>2:20-2:45 pm “Assessment of Pathological Gait Based on Insights from Walking Robots” Max Kurz, <i>UNMC</i></p>	<p>2:30-3:00 pm “The Intersection of Nanoprobing and Biology” Taylor Cavanah, <i>Zyvex Instruments</i></p>	<td> </td> <td> </td> <td> </td>			
Break 2:50-3:10	BREAK					
Parallel Sessions 3:10-4:30	<p>3:10-3:50 pm “The X-family Polymerases: Filling the gap between structure and function” Lars C. Pedersen, <i>NIEHS</i></p>	<p>3:00-3:20 pm “Virtual Reality Technology in Human Locomotion” Mukul Mukherjee, <i>UNO</i></p>	<p>3:10-3:40 pm “Super resolution MICROSCOPY beyond the Abbe limit – STED & other concepts to break the diffraction barrier” Tanjef Szellas, <i>Leica Microsystems, Inc.</i></p>	<p>3:10-3:50 pm “Developing Existing Talent” Dan Krick, <i>Lincoln Industries</i> Jeannine Falter, <i>Duncan Aviation</i> Moderator: Terri Wasmoen</p>	<p>3:10-4:30 pm “How to Raise Big Bucks” Stan Lapidus, <i>Helicos BioSciences Corp.</i> Moderator: Richard Baier</p>	<p>3:10-4:30 pm “Developing Tomorrow's Biosciences” Michael Dixon, <i>UNeMED Corp.</i> Lee Fenicle and Mary Ann Wendland, <i>Intellectual Resources Management, Creighton</i> David Conrad, <i>Technology Development, UNL</i> Moderator: Amy Recker</p>
	<p>3:50-4:30 pm “Single-Molecule Fluorescence: A Novel Tool for Structural Studies of Intrinsically Disordered Proteins” Ashok Deniz, <i>The Scripps Research Institute</i></p>	<p>3:45-4:05 pm “Smart Wireless Insoles for Gait Monitoring and Fall Prevention in the Elderly: the Gait-O-Gram™” Leslie Decker, <i>UNO</i></p>	<p>3:40-4:10 pm “Genome-wide map of histone H3 lysine 4 methylation under stress conditions in Arabidopsis thaliana” Karin van Dijk, <i>Creighton</i></p>	<p>3:50-4:30 pm “The 21st Century Workforce” Steve Frayser, <i>UNL Technology Park</i> Caleb Pollard, <i>Greater Omaha Chamber of Commerce</i> Randy Vlasin, <i>FutureForce</i> Moderator: Terri Wasmoen</p>		
		<p>4:05-4:30 pm “Applications in Biomechanics for Research: PAD and MS projects” Sara Myers, <i>UNMC</i></p>	<p>4:10-4:40 pm “MicroRNA methylation in Arabidopsis thaliana” Bin Yu, <i>UNL</i></p>			
	Poster Session 4:30-6:30	POSTER SESSION AND RECEPTION				