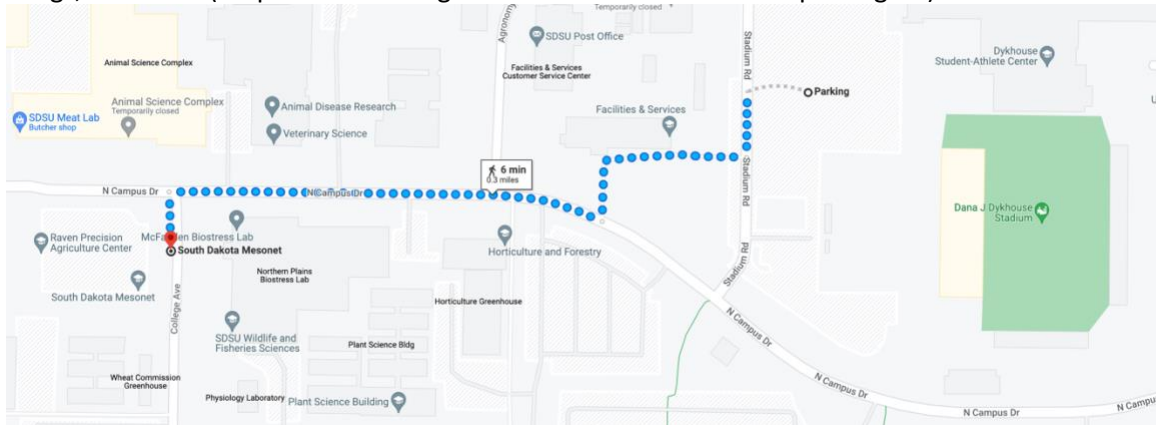


South Dakota State University Lab tours as part of SD EPSCoR symposium

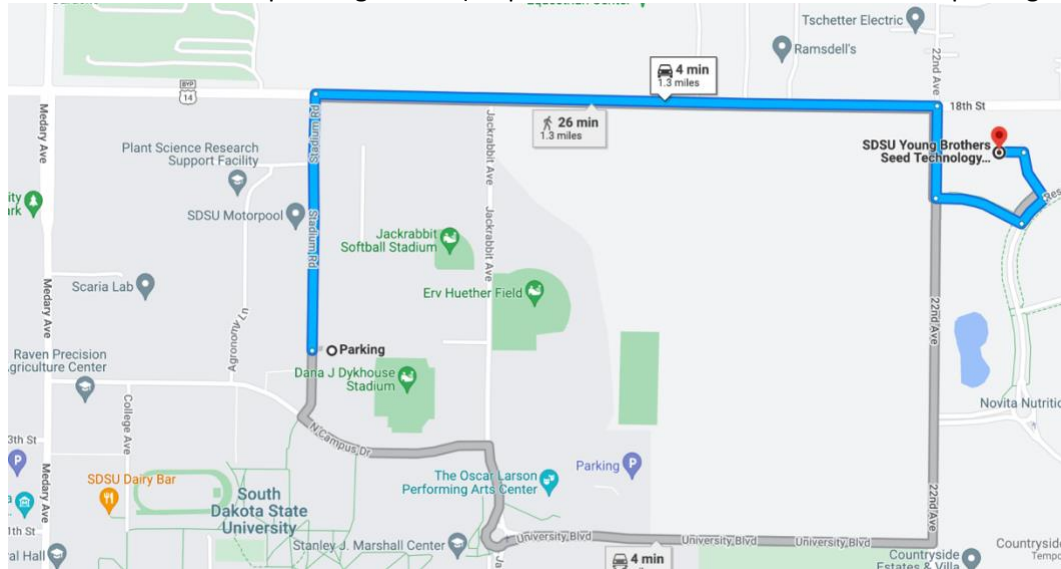
Wednesday, July 27th 4:00 pm

Meeting point: Atrium, Raven Precision Agriculture Center Building, 1030 N Campus Dr.
Brookings, SD 57007 (Map shows walking directions from the Stadium parking lot)



Tour plan:

1. Tour guides will greet and escort you. If needed, they will split the groups into two.
 - a. Group 1: Raven Precision Ag Ctr -> Alfred Dairy Science and Microbiology labs -> Edgar McFadden Biostress Labs.
 - b. Group 2: Edgar McFadden Biostress Labs -> Raven Precision Ag Ctr -> Alfred Dairy Science and Microbiology labs.
2. Drive on your own to Young Brothers Seed technology Laboratory building after the tours to visit the SDSU Genome sequencing center (Map shows directions from the Stadium parking lot).



3. Proceed to SDSU Research Park (South on Research Park Way) for the SD-Bio reception.

See reverse for tour highlights!

4. Tour Highlights

Raven Precision Ag Ctr	Alfred Dairy Science and Microbiology labs	Edgar McFadden Biostress Labs
Guide: Yaohua Liang	Guide: Bhawandeep Kaur	Guide: Jesus Loya
<p>Raven Precision Ag building introduction (tour guide)</p> <p>Biopolymer laboratory (Atrium) – polymer beads for nutrient absorption, high value products from crop residue and waste materials (Janaswamy’s lab).</p> <p>TEM (First floor)</p> <p>2D Materials synthesis and characterization laboratory (Second floor) - CVD, Plasma, Graphene from lignin, (Jimmy Gu’s lab group).</p> <p>Exit via South West stairs</p>	<p>Enter via Parking lot (East doors)</p> <p>Alfred Dairy Micro building intro (tour guide)</p> <p>Soil bacteriology lab – Surface characterization of root colonizing bacteria (Brozel lab group)</p> <p>Microfluidics lab and synthetic biology lab – microfluidics based imaging system for bacterial cells (Butzin lab group)</p> <p>Proceed to Biostress building</p>	<p>Intro to Biostress building (Edgar McFadden’s work)</p> <p>Proceed to basement</p> <p>Sub-micron 3D printer facility (Butzin lab)</p> <p>◆◆ Collect your souvenir!</p> <p>Functional genomics core facility (Liping Gu and Subramanian labs)</p> <p>Plant Growth chamber facility (Subramanian lab)</p> <p>Exit via back doors to stadium</p>
<p>SDSU Genome Sequencing Center Next Generation Sequencing Library preparation, High throughput DNA sequencing (Gonzalez lab)</p>		