



## GIFS 2019 Science Day Schedule November 15, 2019

TIME		EVENT
9:00 am	9:15 am	Welcome and Introduction: Steve Webb, Executive Director and CEO, GIFS; Peter Stoicheff, President, University of Saskatchewan
9:15 am	9:25 am	Root-Soil-Microbial Interactions Opening Remarks: Leon Kochian, Associate Director and Canada Excellence Research Chair in Global Food Security
<b>Postdoctoral Fellows and Research Associates</b>		
9:25 am	9:35 am	Li Liu - Guard Cell Expression of <i>AtTOR</i> Improves Water-Use Efficiency and Promotes Drought Resistance in Arabidopsis
9:35 am	9:45 am	Rahul Chandnani - Identification of Genomic Regions Associated with Root System Architecture Traits in Soybean for Abiotic Stress Tolerance and Productivity
9:45 am	9:55 am	Leon Kochian (on behalf of Jieyu Chen) - Repression of a Phloem-borne Long-distance Signaling Agent Alters Plant Growth Performance under Phosphate Stress
9:55 am	10:05 am	Mutsutomo Tokizawa - Comprehensive protein-protein interaction studies on the protein kinase, <i>PSTOL1</i> , that regulates root growth enhancement in phosphorus deficient <i>Sorghum</i>
10:05 am	10:15 am	Cuong Nguyen - Towards better crop resilience: Identification of genes underlying Phosphorus efficiency in sorghum
10:15 am	10:25 am	Questions
10:25 am	10:55 am	Coffee break and poster presentations
10:55 am	11:05 am	Seed and Developmental Biology Opening Remarks: Tim Sharbel, GIFS Research Chair in Seed Biology
<b>Postdoctoral Fellows</b>		
11:05 am	11:15 am	Martin Mau - "The <i>UPGRADE2</i> gene: functional analyses and expression dynamics of a candidate for diploid pollen formation"
11:15 am	11:25 am	Joanne Ernest - The proteomics of plant reproduction: answering fundamental questions with pioneering technologies
11:25 am	11:35 am	Xing-Liang Ma - Studying of Apomixis with CRISPR



11:35 am	11:50 am	Questions
11:50 am	1:20 pm	Lunch and poster presentations
1:20 pm	1:25 pm	Genomics and Bioinformatics Opening Remarks: Andrew Sharpe, GIFS Director of Genomics and Bioinformatics and P <sup>2</sup> IRC Program Director
<b>Affiliate Researchers</b>		
1:25 pm	1:35 pm	Devin Brown - Plant Talk – Using PET Imaging to Study Abscisic Acid transport in Plants
1:35 pm	1:45 pm	Kevin Koh - Chromosome-scale assemblies of plant genomes using Nanopore sequencing and HiC
1:45 pm	1:55 pm	Keshav D. Singh (on behalf of Hema Duddu) - High Throughput Plant Phenotyping – University of Saskatchewan
1:55 pm	2:05 pm	Questions
2:05 pm	2:10 pm	Closing Remarks, Tim Sharbel
2:10 pm	3:00 pm	Coffee break, poster presentations and tours
3:00 pm	4:00 pm	Plenary talk – Albert Vandenberg (PhD), GIFS affiliate, USask professor and NSERC - Saskatchewan Pulse Growers Industrial Research Chair in Genetic Improvement of Lentils