Botany 2017 – Miller Lab Group/affiliates talks!

**Frawley, Emma** (joining the lab next month!), Cantley, Jason, Martine, Christopher. Biogeography in the Australian Monsoon Tropics: Using niche modeling to determine evolutionary relationships with climate for a clade of Solanum**. Monday 5:50 poster session.**

**Miller Allison.** Building a botanical foundation for sustainable agriculture. **Tuesday 1:30pm Lightning talk section Fort Worth Ballroom 8.**

**Dan Chitwood** (lab collaborator!). Persistent homology and organismal theory: quantifying the branching topologies of plants. **Kaplan Memorial Lecture**. **Tuesday 3:30. Sundance 2.**

**Swift, Joel** (incoming PhD student), Smith, Stacy, Menges, Eric, Bassuner, Burgund, Edwards, Christine. Analysis of mating system and genetic structure in the endangered, amphicarpic plant, Lewton’s polygala (Polygala lewtonii). **Tuesday 4:45pm. Fort Worth Ballroom 7.**

**Linan, Alexander** (PhD student**)**, Schatz, George, Lowry, Porter, Miller, Allison, Edwards, Christine. Mapping species boundaries: phylogenomics and patterns of gene flow in threatened Mascarene Diospyros (Ebenaceae). **Wednesday 8:30am. Fort Worth Ballroom 4.**

**Klein, Laura** (postdoc), O'Hanlon, Regan, Pretz, Chelsea, Zander, Tracy, Miller, Allison. Genotyping-by-sequencing suggests species boundaries are maintained in co-occurring Vitis species in central North America. **Wednesday 1:30pm. Sundance 2.**

**Herron, Sterling** (PhD student), Ciotir, Claudia, Miller, Allison, Van Tassel, David, Crews, Timothy, Schlautman, Brandon. Comparative analysis of germination, first-year growth, and biomass allocation among annual and perennial congeners in Glycine, Lupinus, Phaseolus(Fabaceae). **Wednesday 2pm. Sundance 2.**