Preliminary results: PCA and Heat Map of LC-MS Metabolite Expression Analyses of *Trichoderma* (INTAH-4) with *Fusarium* (Foc R1T) before, during, and after contact.

Left: Principle Component Analysis (PCA) showing the variation over time of metabolites within each sample. Over 2850 compounds were identified.

Right: Heat Map of metabolite expression patterns over time in each sample. Red indicates up-regulated while green indicates down-regulated. Combined with additional data from the NCR-SARE project, this collection of metabolites can be refined to highlight active compounds in defense against *Fusarium* species.