

FEATURED SCHOLAR

Rose Marks

Rose completed her undergraduate degree at Montana State University where she conducted research on rangeland degradation in the Maasai group ranches of Kenya, and also worked on a project to quantify the role of clonal vs. sexual reproduction in the spread of *Linaria dalmatica* (a beautiful and invasive plant in the Rocky Mountains of Montana). After completing her undergraduate degree, Rose spent a few years working on farms and rock climbing, but eventually decided to return to academia. She completed her PhD at the University of Kentucky in 2019 under the guidance of Dr. Nicholas McLetchie. During her PhD, Rose worked on sex chromosome evolution, sexual dimorphisms, and the ecophysiology of water stress tolerance in the tropical liverwort *Marchantia inflexa*. Currently, Rose is an NSF postdoctoral fellow working on a project to characterize the ecology and genomics of desiccation tolerance in the South African resurrection plant *Myrothamnus flabellifolia*. Untangling the biology of this unique and understudied plant has promising applications for improving plant resiliency in both natural and agricultural systems. Rose splits her time between MSU's **VanBuren** lab and The University of Cape Town's **Farrant** Lab. You can read more about Rose's research at www.roseamarks.com.



EVENTS OF INTERESTS

Talks

- **Nov. 12 Social & Poster Session:** MPS Atrium, 4-5PM Resilience Research at MSU – Register [here!](#)
- **Nov. 14 Brown Bag:** Room 168 PLB, 1-2 PM Ian Willick will present on, “Ice segregation in the crown of winter cereals: evidence for extra-organ and extra-tissue freezing,” and Marty Chilvers will present on “Tar spot of corn a threat to food security and farmer profitability.”
- **Nov. 25 MPS Seminar:** 1200 MPS, 4:00 PM John Schiefelbein – University of Michigan “Studying root epidermis development in *Arabidopsis thaliana*.”
- **Dec. 2 MPS Seminar:** 1200 MPS, 4:00 PM Corné Pieterse – Utrecht University “Bi-directional signaling along the microbiome-root-shoot axis.”
- **Dec. 12-13 Corteva-PBGB-NRT IMPACTS Symposium:** Register by November 27th “Phenomic Applications in Plant Breeding”

Job Opportunities

- Postdoctoral Fellowship, Buell Lab: Sweetpotato Genomics & Bioinformatics – MSU HR listing [#614168](#)
- Postdoctoral Fellowship, Buell & Douches Labs: Potato Genomics & Gene Editing – MSU HR listing [#614164](#)
- Keegstra Postdoc, Shade Lab & GLBRC: Sorghum Leaf Microbiome – MSU HR listing # [604790](#)



@MSU_PRI

PRIASSISTANT.EMAIL
@GMAIL.COMMICHIGAN STATE
UNIVERSITY

Plant Resilience Institute