



BOTANICAL RAMIFICATIONS OF ENVIRONMENTAL CHANGE

SATURDAY, MARCH 21

CO-SPONSORED BY
THE BELL MUSEUM OF NATURAL HISTORY

BELL MUSEUM
OF NATURAL HISTORY
UNIVERSITY OF MINNESOTA
Driven to Discover™



REGISTRATION

NAME _____

ADDRESS _____

CITY/STATE _____ ZIP _____

PHONE _____

EMAIL _____

REGISTRATION DEADLINE—MARCH 20, 2015

MNNPS Members	\$45 _____
Non Members	\$55 _____
Fulltime Students	\$25 _____
Vendor Booths (6 foot table)	\$50 _____

(Vendors must also register for the symposium)

DO YOU WISH TO JOIN THE MNNPS AT THIS TIME?

New memberships made with Symposium registration are good through December 31, 2015.

Individual Membership	\$15 _____
Family Membership	\$15 _____
Full-time Student	\$8 _____
Senior (Over 62)	\$8 _____

LUNCH SELECTION—INCLUDED WITH REGISTRATION

Lunch, coffee and pastries provided by Trotter's Café, which provides sustainably produced, local, organic food.

Vegetarian or Meat

Total Amount Enclosed \$ _____

Make Checks Payable to: Minnesota Native Plant Society

MAIL COMPLETED REGISTRATION AND CHECK TO:

MNNPS Symposium
c/o Shirley Mah Kooyman
4520 Terraceview Lane N
Plymouth, MN 55446
763-559-3114
email: smkooyman@gmail.com

SPEAKERS AND TOPICS:

- 8:30 AM** **Registration (continental breakfast available)**
- 9:00–9:10** **Welcome to the Symposium**
- 9:10–9:30** **Welcome to the Bell Museum**
Dr. Susan Weller, Director and Professor, *J.F. Bell Museum of Natural History*
- 9:30–10:20** **Long term ecological history at the prairie-forest border from lake cores: Is the past a guide to the future?**
Charles E. Umbanhowar Jr., Department of Biology and Environmental Studies, *St. Olaf College*
- 10:20–10:35** **Break**
- 10:35–11:25** **Genetic foundations of plant adaptation**
Ruth G. Shaw, Department of Ecology, Evolution and Behavior, *University of Minnesota*
- 11:25–12:15** **A century of shifts in flowering phenology in the Red River valley**
Dr. Steven Travers, Associate professor, Department of Biological Sciences, *North Dakota State University*
- 12:15–1:15** **Lunch**
- 1:15–2:05** **Using predictive models to explore assisted migration scenarios—pitfalls and opportunities**
Pati Vitt, Stone Curator of the Dixon Seed Bank, Plant Biology and Conservation, *Chicago Botanic Garden*
- 2:05–2:20** **Break**
- 2:20–3:10** **Spatial signals of climate change in the abundance and distribution of understory species in Wisconsin over 50 years**
Jeremy Ash, *University of Wisconsin-Madison*

SYMPOSIUM LOCATION

The Bell Museum of Natural History
10 Church Street SE
Minneapolis, Minnesota 55455

HOW TO GET THERE:

The Bell Museum is on the Minneapolis campus of the University of Minnesota, at the southwest corner of 17th Ave. and University Ave. S.E. Access from either I-35W or I-94.

WHERE TO PARK:

We recommend the Nolte Garage right below the Bell Museum. Parking is \$6.00 for all day.

OTHER OPTIONS:

4th Street Ramp. 35W to University Avenue, turn toward the University to 17th Ave SE. Left on 17th Ave SE 1 1/2 blocks. \$6.00 for the entire day. Ramp is approximately 1 1/2 blocks from museum.

The Bell Museum is accessible to visitors with disabilities.

Restroom access may be limited depending on your needs. Please call (612) 624-9050 for information on disability access accommodations.

QUESTIONS DIRECTED TO:

Shirley Mah Kooyman
smkooyman@gmail.com
763-559-3114