

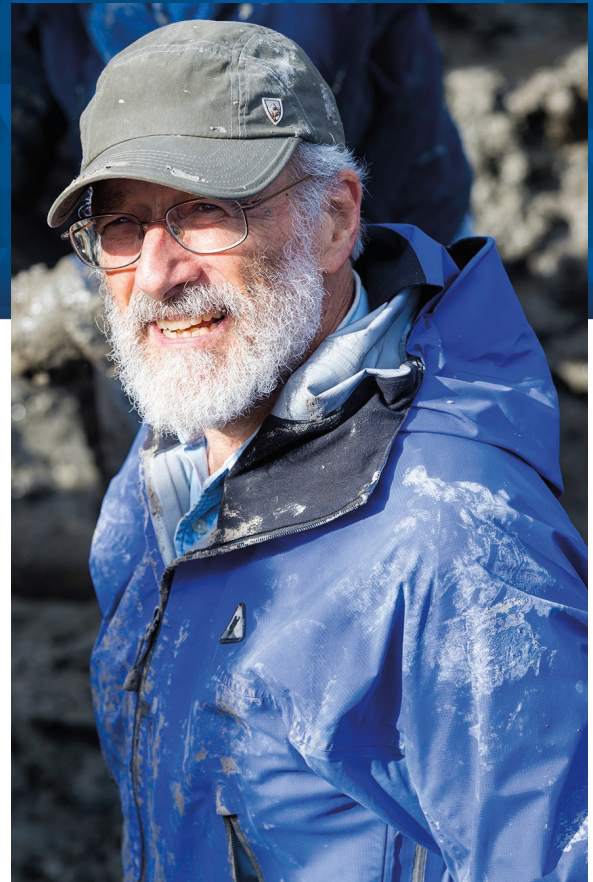
DISTINGUISHED LECTURER SERIES

PRESENTED BY THE COLLEGE OF ARTS AND SCIENCES

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Mastodons and Mammoths of the Great Lakes Region: Tales Tusks Tell

November 11, 2016
12:00–1:15pm
Walb Classic Ballroom

Mastodons and mammoths, relatives of elephants, were prominent members of Ice Age faunas of the Great Lakes region, and both disappeared from this area about 10,000 years ago. What caused their extinction remains a mystery. A new approach to this problem uses their tusks as monitors of diet, growth rates, environmental quality, and reproductive biology. Tusk layers also form on a hierarchy of time intervals from daily to weekly to annual, and counts of these layers provide data on age. The key to inferring cause of extinction is a better understanding of conditions of life. Only a quantitative analysis of tusk records accesses the data critical to understanding what drove the extinction of mastodons and mammoths and humans' role in this process.

Event Is Free and Open to the Public

Presented by the College of Arts and Sciences in collaboration with the Departments of Mathematical Sciences and Geosciences. Sponsored in part by the Addison Locke Roache Memorial Lecture Fund.

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