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Education

B.S. with Honors, 2005, Stanford University, Department of Geological and Environmental Sciences

Ph.D. Candidate, 2009 (expected), Stanford University, Department of Geological and Environmental Sciences

Research Interests

Evolution of orogenic plateaux: exploring tectonic and climatic evolution of the North American Cordillera and Tibetan Plateau using sedimentary and isotopic analysis to examine sedimentary basins associated with these orogenic belts

Climatic transitions in the past: reconstructing the Eocene-Oligocene climatic transition using oxygen, carbon, and hydrogen isotopic analysis in locales in the western United States and the Pyrenean Foreland

Miocene mammalian evolution: using oxygen isotopic analysis of terrestrial basin deposits to determine tectonic and climatic controls on mammalian evolution in western North America

Awards

National Science Foundation Graduate Research Fellowship, 2005-2008

Stanford Graduate Fellowship, 2005-2008

McGee Fellowship, 2006, 2007

URO Major Grant, 2003, 2004

VPUE Research Fellowship, 2003, 2004

Publications

Kent-Corson, Malinda L., Laura S. Sherman, Andreas Mulch, C. Page Chamberlain, 2006, *Cenozoic topographic and climatic response to changing tectonic boundary conditions in Western North America*, Earth And Planetary Science Letters vol. 252, pg. 453-466.

Kent-Corson, Malinda L., Bradley D. Ritts, Guangsheng Zhuang, Paul M. Bovet, Stephan A. Graham, C. Page Chamberlain, in review, *Stable isotopic constraints on the tectonic, topographic, and climatic evolution of the northern margin of the Tibetan Plateau*, Earth and Planetary Science Letters.

Publications in prep

Kent-Corson, Malinda L., Andreas Mulch, Stephan A. Graham, Alan R. Carroll, C. Page Chamberlain, in prep, *Diachronous isotopic and sedimentary responses to topographic change as indicators of mid-Eocene hydrologic reorganization in southwestern Montana*.

Charreau, J., Malinda L. Kent-Corson, C. Page Chamberlain, Laurie Barrier, Romain Augier, Bradley D. Ritts, Yan Chen, in prep, *High-resolution stable isotopic record from the Junggar Basin (NW China): implication for the paleotopography of the Tianshan mountains*.

Abstracts

Kent-Corson, Malinda L., Bradley D. Ritts, Julien Charreau, Guangsheng Zhuang, Paul M. Bovet, Stephan A. Graham, C. Page Chamberlain, 2008, *Stable Isotopic Insights into Sedimentary Basin Evolution Along the Northern Tibetan Margin*, American Geophysical Union Fall Meeting.

Ritts, Bradley D., Paul M. Bovet, Malinda L. Kent-Corson, Brian J. Darby, Jeremy Hourigan, Guangsheng Zhuang, Stephan A. Graham, Yongjun Yue, 2008, *Structural, Paleogeographic and Topographic Evolution of the Northern Tibetan Plateau Margin: Evidence from the Southern Tarim Basin, Northern Hexi Corridor, and Qaidam Basin*, Himalayan-Karakoram-Tibet Workshop.

Kent-Corson, Malinda L., Bradley D. Ritts, Stephan A. Graham, C. Page Chamberlain, 2007, *Stable Isotopic Constraints on the Climatic and Topographic Development Along the Northern Margin of the Tibetan Plateau*, American Geophysical Union Fall Meeting.

Kent-Corson, Malinda L., Andreas Mulch, C. Page Chamberlain, 2007, *Cenozoic Topographic and Climatic change in the Western U.S. from a Paleosol Carbonate Record in Montana and Idaho*, V.M. Goldschmidt Conference.

Chamberlain, C. Page, Andreas Mulch, Malinda L. Kent-Corson, Alan R. Carroll, Stephan A. Graham, 2007, *Cenozoic Topographic Evolution of the Western North America Cordillera*, V.M. Goldschmidt Conference.

Ritts, Bradley D., Malinda L. Kent-Corson, Stephan A. Graham, C. Page Chamberlain, 2006, *Structural, Paleogeographic and Topographic Evolution of the Northern Tibetan Plateau*, American Geophysical Union Fall Meeting.

Chamberlain, C. Page, Andreas Mulch, Travis W. Horton, Malinda L. Kent-Corson, Laura S. Sherman, Steven J. Davis, Michael T. Hren, Christian Tessier, 2005, *The Cenozoic Rise and Fall of the Western United States*, American Geophysical Union Fall Meeting

Hertz, Matt, Bradley D. Ritts, Paul M. Bovet, Malinda L. Kent-Corson, 2005, *Qimen Tagh Uplift Constrained from Tectonostratigraphy of Southwest Qaidam Basin, Northern Tibet Plateau, China*, American Geophysical Union Fall Meeting.

Academic References

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