

The
Astrobiology Program
at the University of Washington
presents

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**New Models for the Co-evolution of
Biology, Geology, and Climate on the
Archean Earth**

Tuesday, April 1, 2008

2:30 pm

A-118 Physics/Astronomy Auditorium

This talk will cover new conceptual models for the co-evolution of the Archean Earth. The presentation will start with a review of the geochemical data that need to be accounted for, and will continue with explanations for these data derived from results of 1-D photochemical and climate models. The seminar will also discuss the implications these models have for the evolution of Earth's surface temperature, biota, and the possibility that Gaia-like feedbacks were present on Earth at this time.