



NIMBioS

National Institute for Mathematical
and Biological Synthesis



NIMBioS Interdisciplinary Seminar

3:30 p.m.*, Tuesday, November 18, 2014

Dr. Robert Boyd

Biological Anthropology, Arizona State Univ.
NIMBioS Postdoctoral Fellows Invited Distinguished Visitor

“Does Reciprocity Explain Human Cooperation?”

Humans cooperate extensively with unrelated individuals. While there is some controversy about large-scale cooperation, most authors agree that small scale cooperation is sustained by reciprocity. However, the theoretical work that supports this conclusion is not consistent with observed behavior in other social vertebrates. I will argue that existing work underestimates the effect of uncertainty on the evolution of reciprocity, and present two models that suggest that taking uncertainty into account can help explain different patterns of cooperation in humans and other social vertebrates.

**Location: Tom Hallam Auditorium, Room 206 at NIMBioS, Claxton Education Bldg,
1122 Volunteer Blvd.**

**Join us for refreshments at 3 p.m. in Room 205.*

For more information about this and other NIMBioS Seminars, visit <http://www.nimbios.org/seminars>

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The National Institute for Mathematical and Biological Synthesis (NIMBioS) brings together researchers from around the world to collaborate across disciplinary boundaries to investigate solutions to basic and applied problems in the life sciences. NIMBioS is sponsored by the National Science Foundation, with additional support from The University of Tennessee, Knoxville.

