



Slimane Dridi, PhD

Slimane Dridi
Department of Biology
433 south University Avenue
Philadelphia, PA, 19104
Phone: +1 267 244-3826
E-mail: slimane.dridi@gmail.com

August 31, 2016

Dear editors,

Please find attached a copy of our manuscript submitted to *Proceedings of the National Academy of Sciences of the United States of America*, entitled "Learning to cooperate: The evolution of social rewards in repeated interactions".

In this article, we demonstrate that natural selection can favor learners that have positive preference for cooperation in the iterated prisoner's dilemma. This result provides a theoretical explanation of apparently other-regarding preferences expressed by humans and animals in laboratory settings. The psychological motives behind cooperation are a matter of current inquiry and our paper provides an important new step in understanding what is evolutionarily possible in regard to the evolution of cooperation in species with a learning ability.

Sincerely,
Slimane Dridi, on behalf of all authors.