

**From:** "Nowak, Martin" <[REDACTED]>  
**To:** Jeffrey Epstein <jeevacation@gmail.com>  
**Subject:** Re:  
**Date:** Mon, 05 Aug 2013 11:38:57 +0000

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this is an exciting new idea.  
ultimately i always assume the payoff for the alliance  
is distributed over its members.

we have to discuss this on the level of genes  
there might be a way to make progress there  
two genes, A and B, can form one string of DNA  
then (maybe) AB is the new "unit of selection"

On Aug 4, 2013, at 9:23 AM, Jeffrey Epstein <jeevacation@gmail.com> wrote:

i think the payoff matrix needs to be rethought. if we are in a game , and i cooperate, it is not me that gets the benefit. it is the combination of me and my cooperater. / a new group. not necessarily reducible into me and you. A cooperates with B. it is \_"AB" that is now the beneficiary. . a new entity, it might not be a receiprocal group. it could be parasttic, it could be toxic in the future , I think we need to do more on what cooperation entails. time . cost to each, message it sends to environment. . change in surface area of combined, etc.

On Sat, Aug 3, 2013 at 5:16 PM, Nowak, Martin <[REDACTED]> wrote:

i agree. i think this goes toward the cooperative game theory i am trying to construct.  
i am very much looking forward to seeing you at the ranch!!

On Aug 3, 2013, at 10:08 AM, Jeffrey Epstein <jeevacation@gmail.com> wrote:

when two entities communicate, do they automatically make a third. the combination. I think now that we are not what we eat but we are what we consume, including all types of inputs. sensory, etc. I think that the environment contains communications , and that interaction effects everythingk more when i see you

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