

TEAMWORK

Large ambitious goals usually require that people work together.



Spatial model for the evolution of castration and mutualism in an an plant system

With D. Yu's and J. Orivel's group.

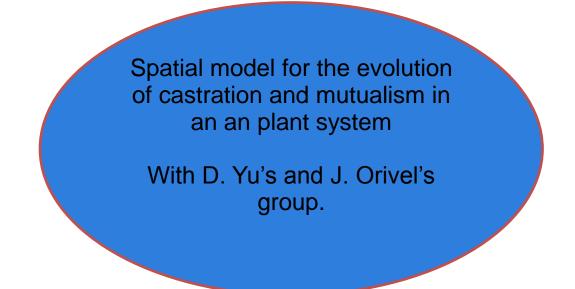
Evolution of cooperation and mutualism with spatial and dynamical interactions

with U. Dieckmann's group

Cooperation in a nonlinear N-person game

with M. Archetti

Works about the nature of human cooperation



Szilágyi, A., Scheuring, I., Edwards D. P., Orivel, J. and Yu, D. W. 2009. The evolution of plant-ant coexistence and castration virulence in a spatially structured environment *Ecol. Lett.* 12: 1306-1316

Evolution of cooperation and mutualism with spatial and dynamical interactions

with U. Dieckmann's group

Számadó S., Szalai F., Scheuring, I. 2008. The effect of dispersal and neighbourhood in games of cooperation. *J. Theor. Biol.* 253: 221-227.

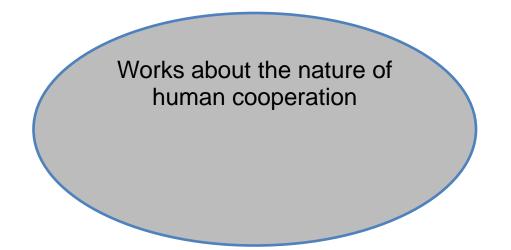
Kun Á. and Scheuring I. 2009 Evolution of cooperation on dynamical graphs. *BioSystems* 96: 65-68

Kun, Á., Boza, G., Scheuring, I. 2010. Cooperators Unite!: Assortative linking promotes cooperation particularly for medium sized associations. *BMC Evolutionary Biology*

Boza, G., Kun, Á., Scheuring, I. and U. Dieckmann Stabilizing mutualism through investment cycles, phase diffusion, and spatial bubbles. (in prep.)



Archetti, M., Scheuring, I. Coexistence of cooperation and defection in public goods games, from the prisoner's dilemma to the volunteer's dilemma. *Evolution* (under revision)



Scheuring, I. 2009. Evolution of generous cooperative norm by cultural group selection. *J. Theor. Biol.* 257: 397-407

Scheuring, I. 2010. Coevolution of honest signaling and cooperative norms by cultural group selection. *BioSystems* 101: 79-87

Scheuring, I. 2010. Egalitarian motive in punishing defectors. *J. Theor. Biol.* 264: 1293-1295