

IBIOL EXTERNAL SEMINAR



13 Novembre 2025



12:15–13:15



ROOM F 200



Carsten de Dreu

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On the co-evolution of cooperation and competition within and between groups

Throughout evolution, cooperation and competition have shaped the emergence of complex societies, often co-occurring within the same individuals and groups. In this talk, de Dreu explore how such mixed strategies evolve and persist. Using evolutionary game theory and simulations, de Dreu show when and how behaviours that combine cooperation and competition become advantageous and evolutionarily stable. The results unify theories of cooperation and competition, align with recent empirical observations, and highlight how fitness ultimately depends on the flexible ability to decide when, with whom, and how to cooperate or compete.