





ULTRA-SPECIALTY

Ultra-sociality

Cooperation



ULTRA-SOCIALITY AS COOPERATION

- **Ultra-sociality** is the ability of humans to cooperate in large groups of genetically unrelated individuals.
- **Cooperation** in small-scale societies relies on face-to-face interactions, so large brains were required to store and process social interactions data.
- However, once a human group attains the size of 100–200 individuals, human brain becomes overwhelmed with the complexity of social computation.
- For group size to increase beyond the few hundred individuals, we had to break through the barriers imposed by face-to-face sociality.

ABSTRACTIONS



