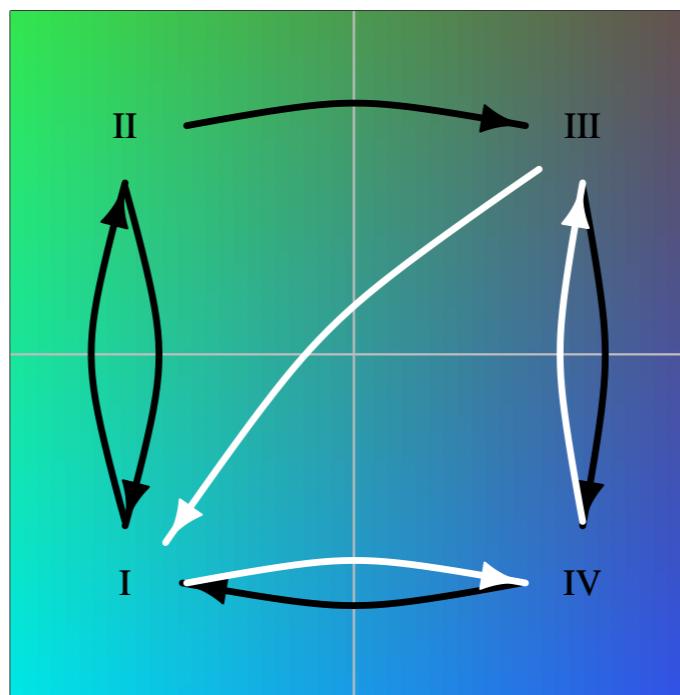


Linking evolutionary and ecological theory illuminate non-equilibrium biodiversity

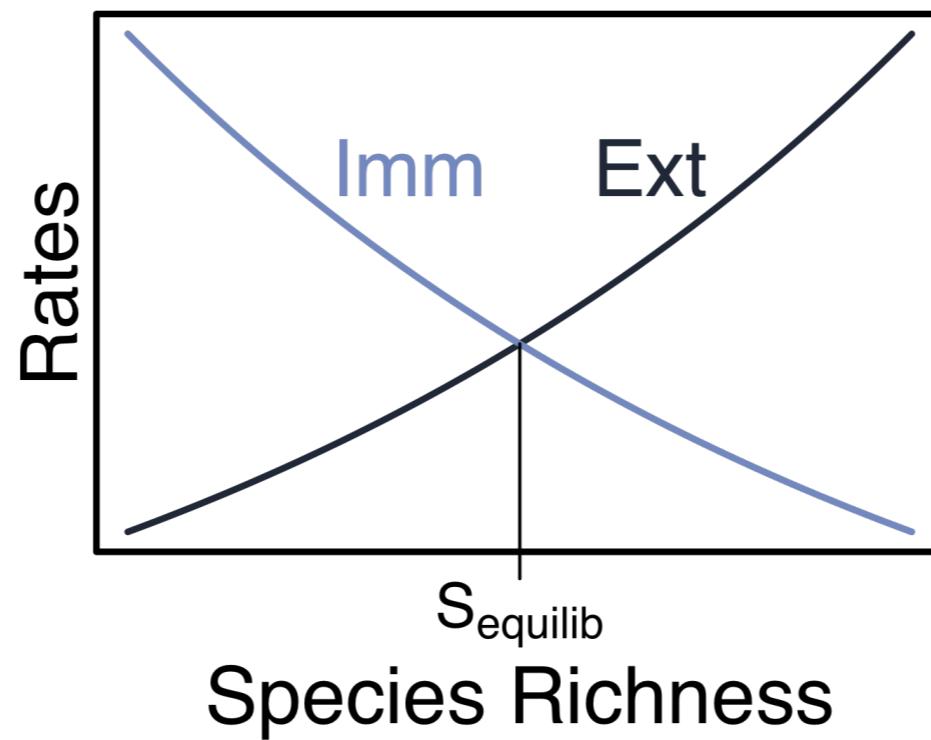


Andy Rominger^{1*} & Isaac Overcast²

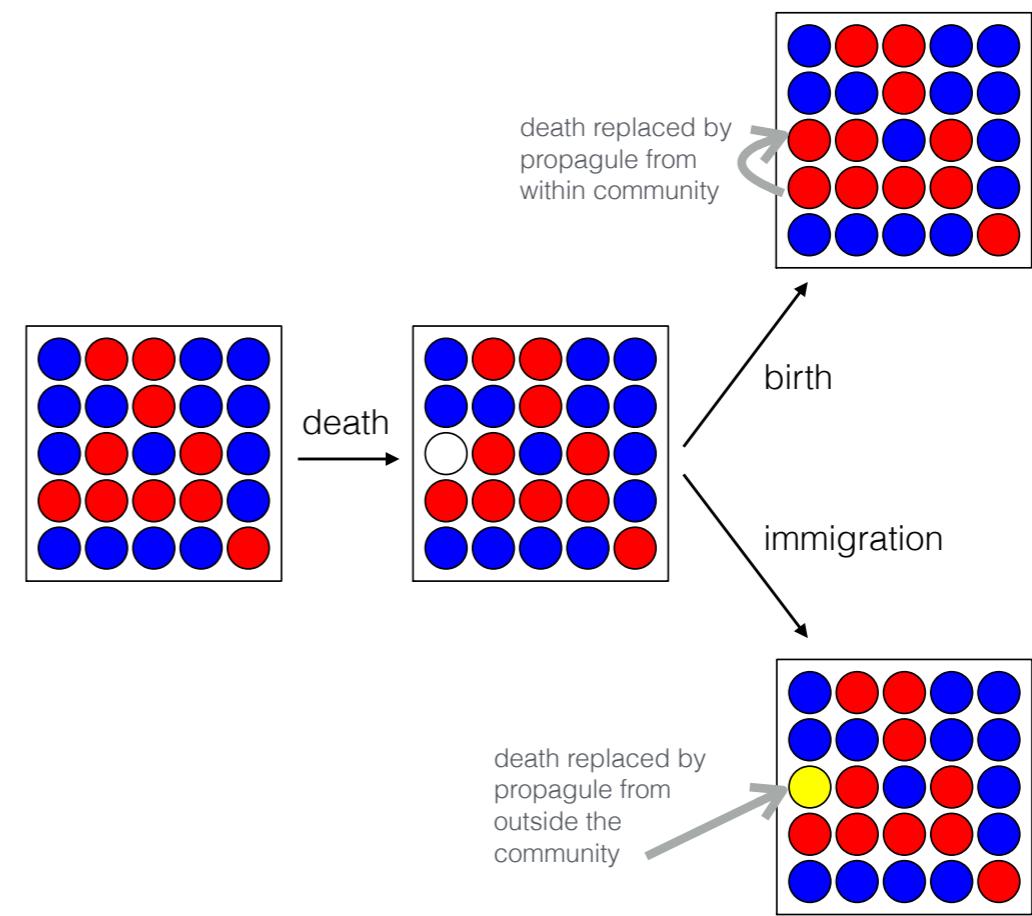
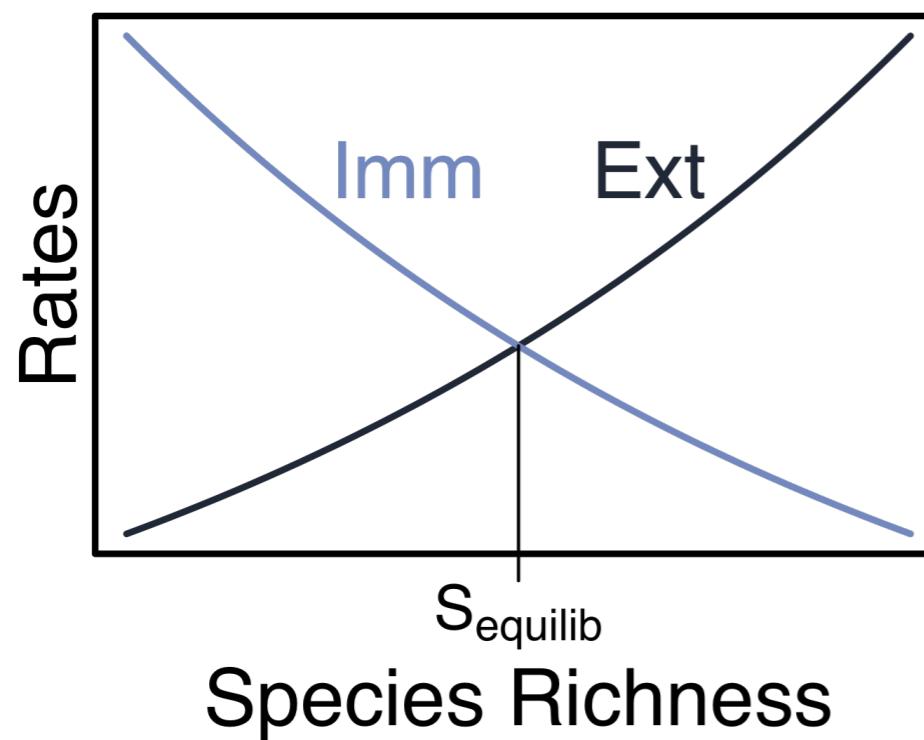
¹Santa Fe Institute • ²City College of New York • *ajrominger.github.io

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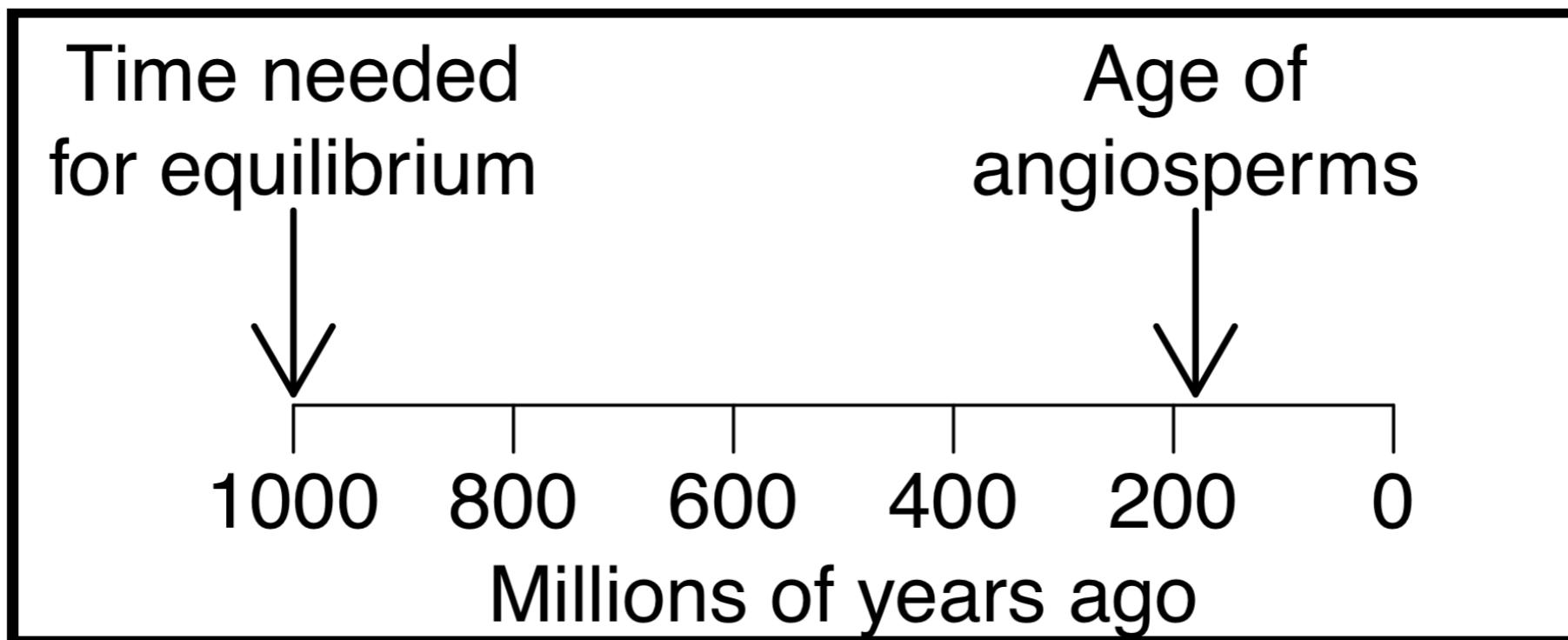
Equilibrium theories have a long history in biodiversity



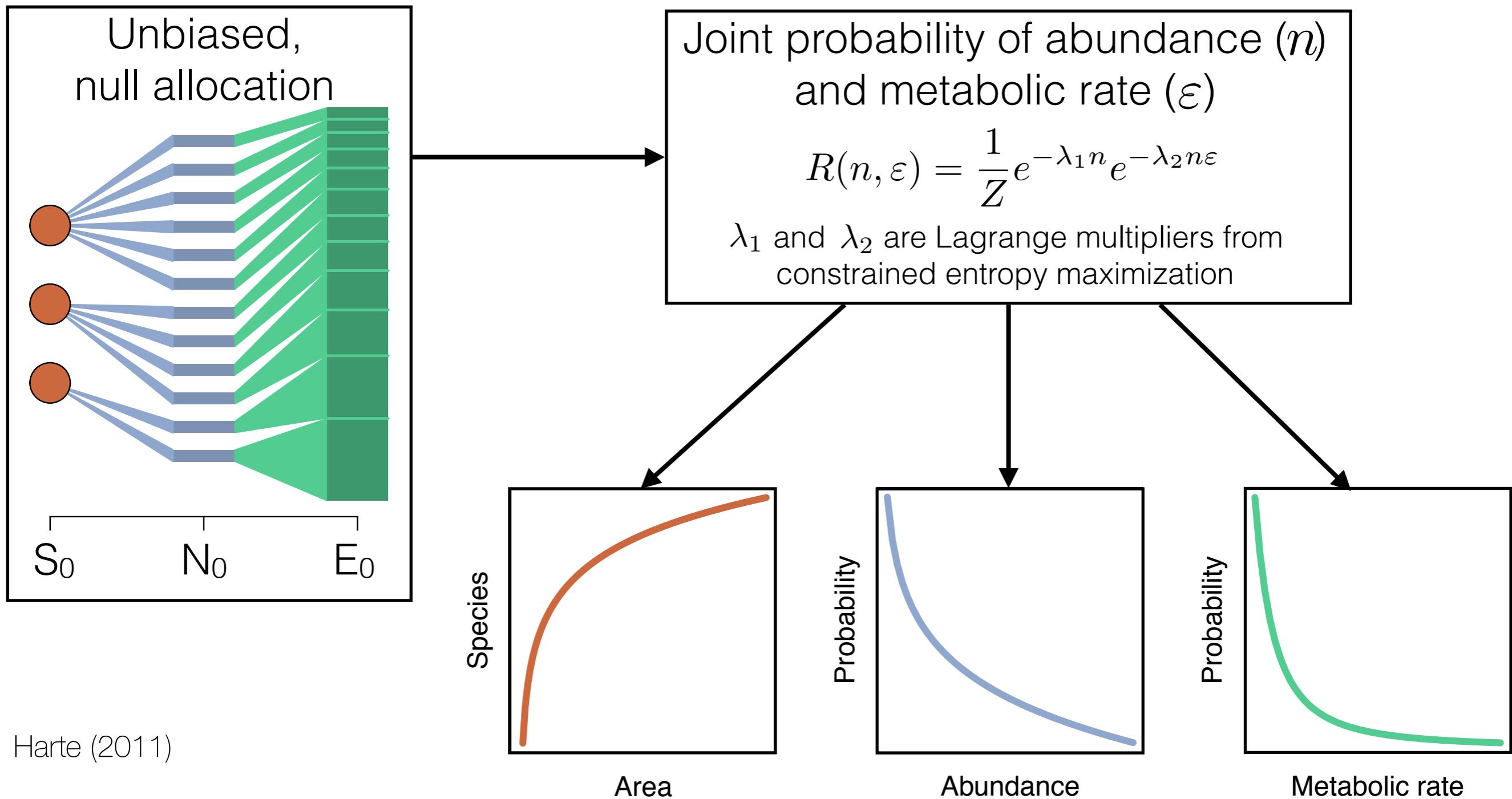
Equilibrium theories have a long history in biodiversity



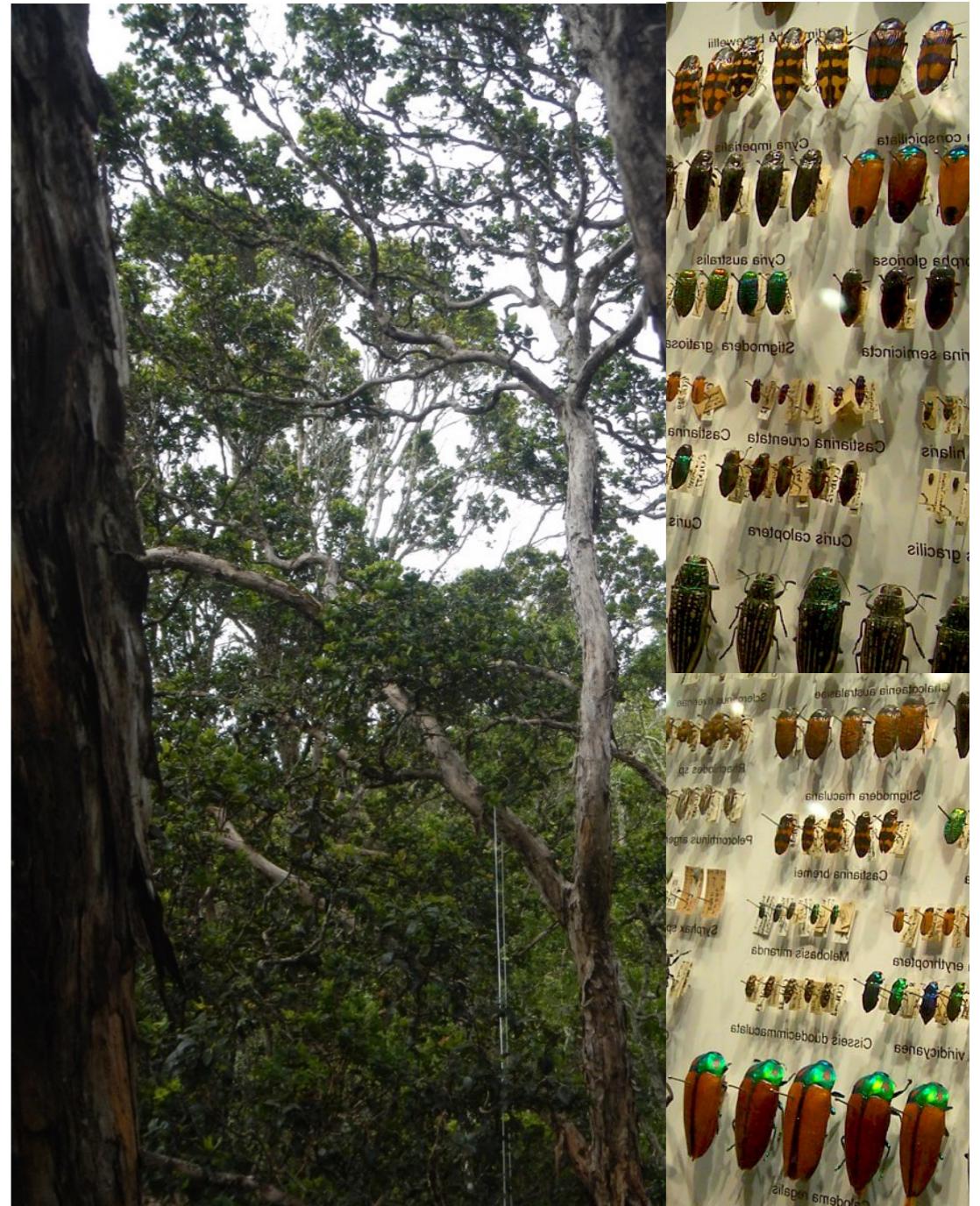
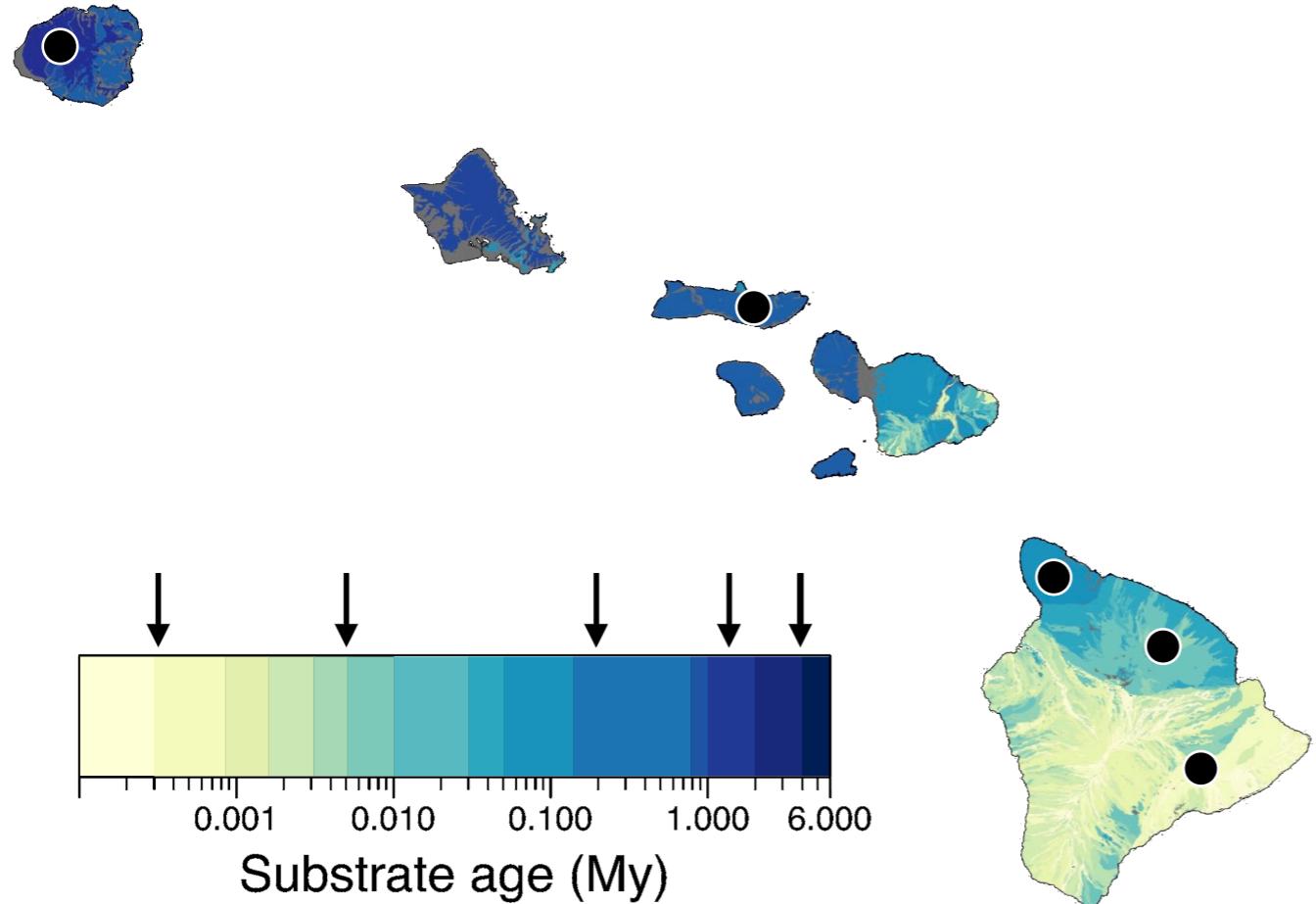
Historical perspectives demonstrate that equilibrium is often violated



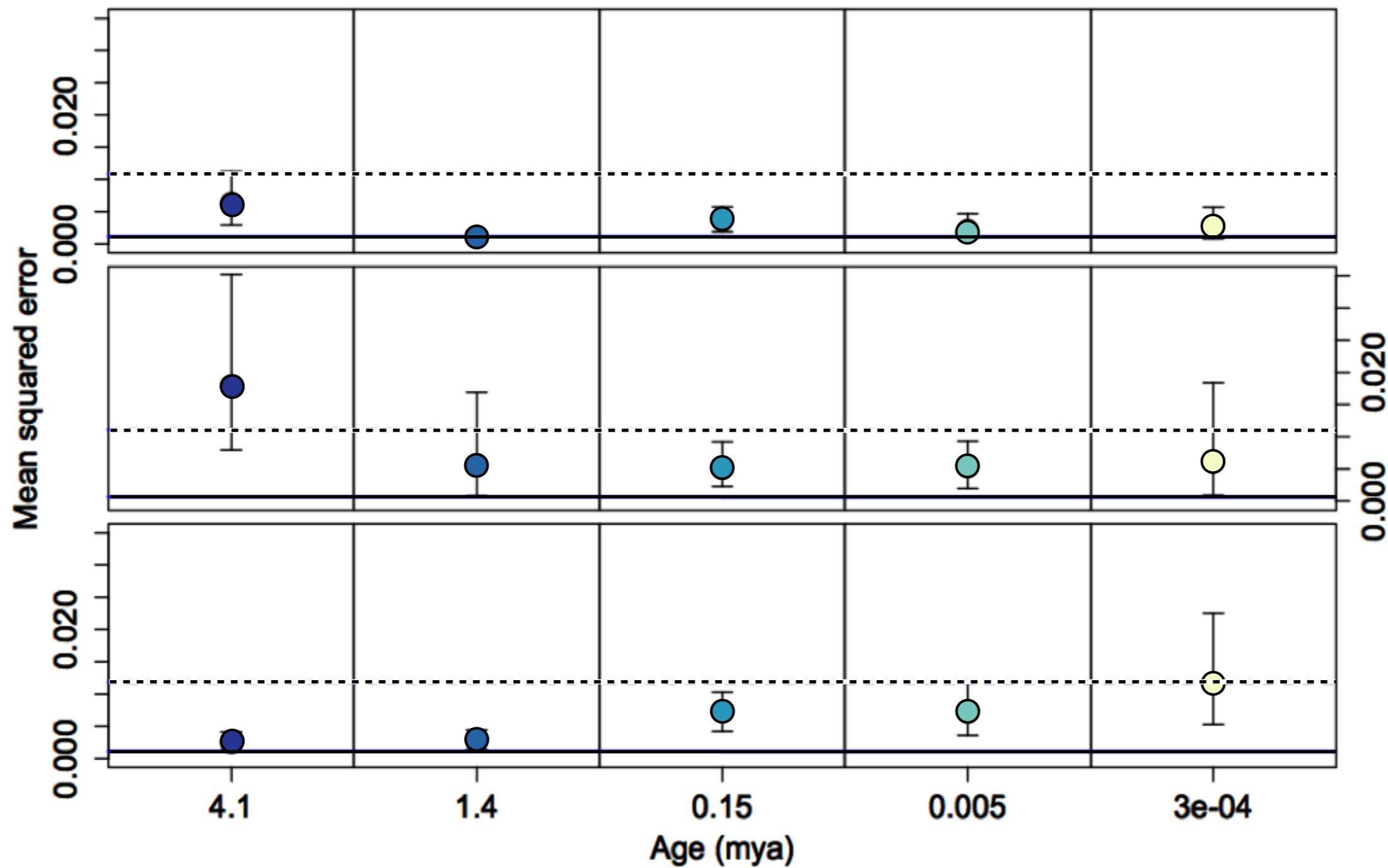
Departures from theory highlight non-equilibrium



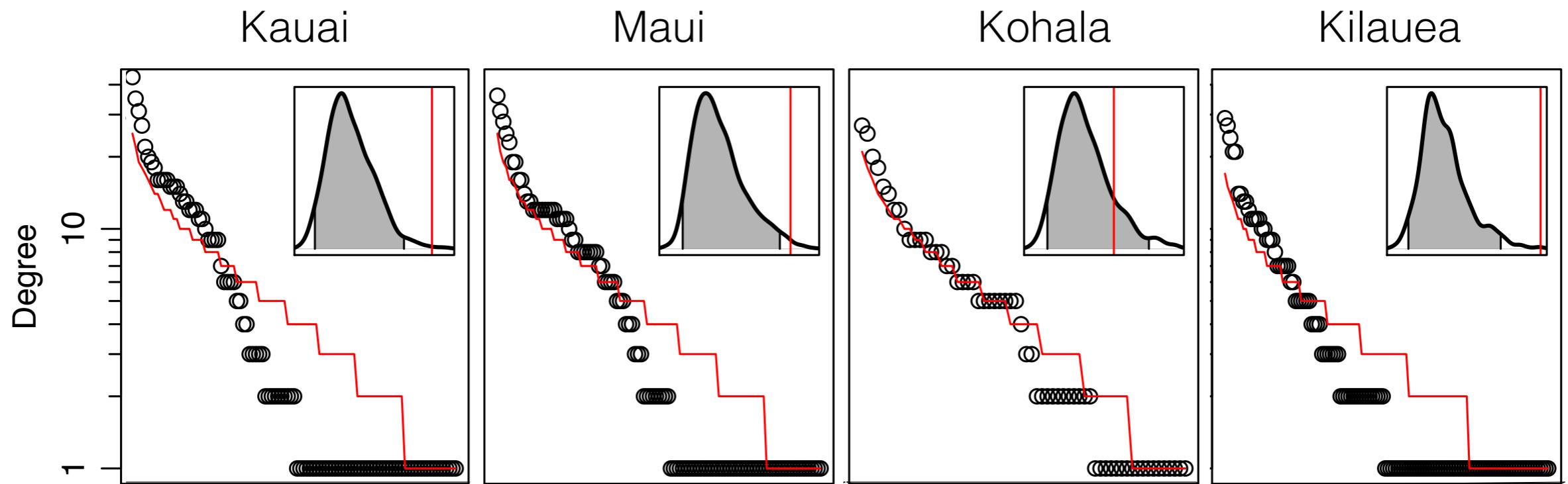
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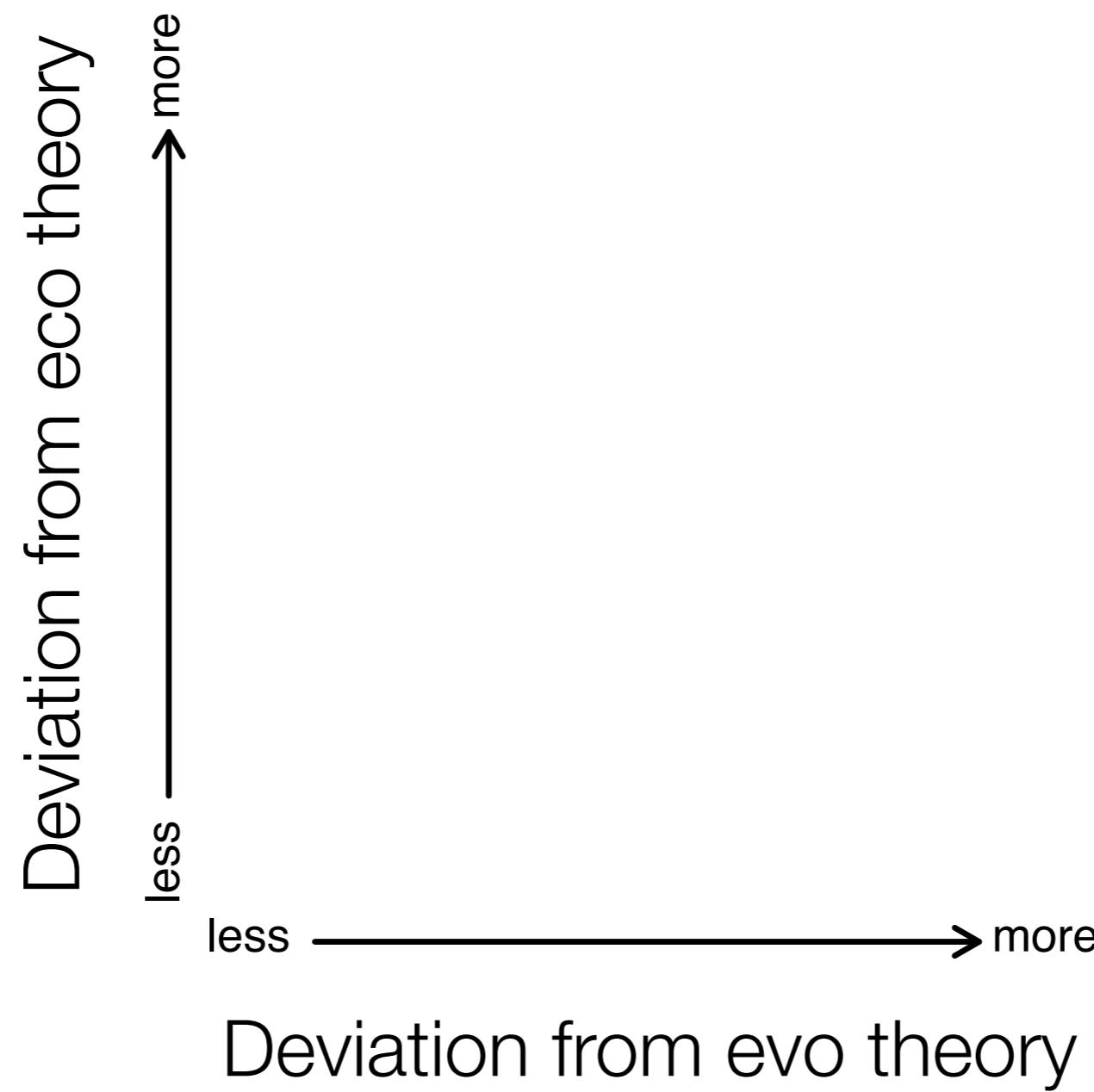
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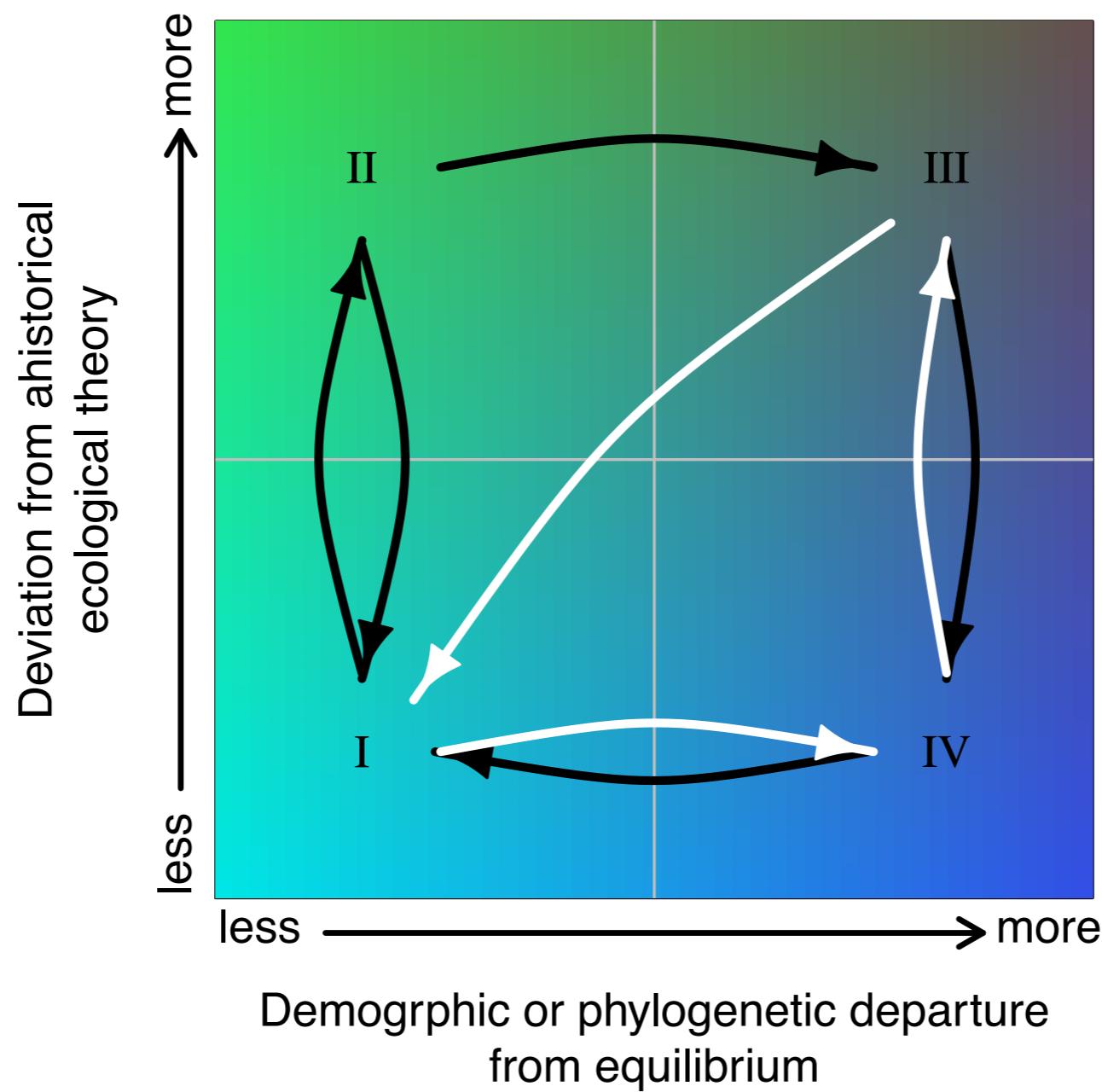
Departures from theory highlight non-equilibrium



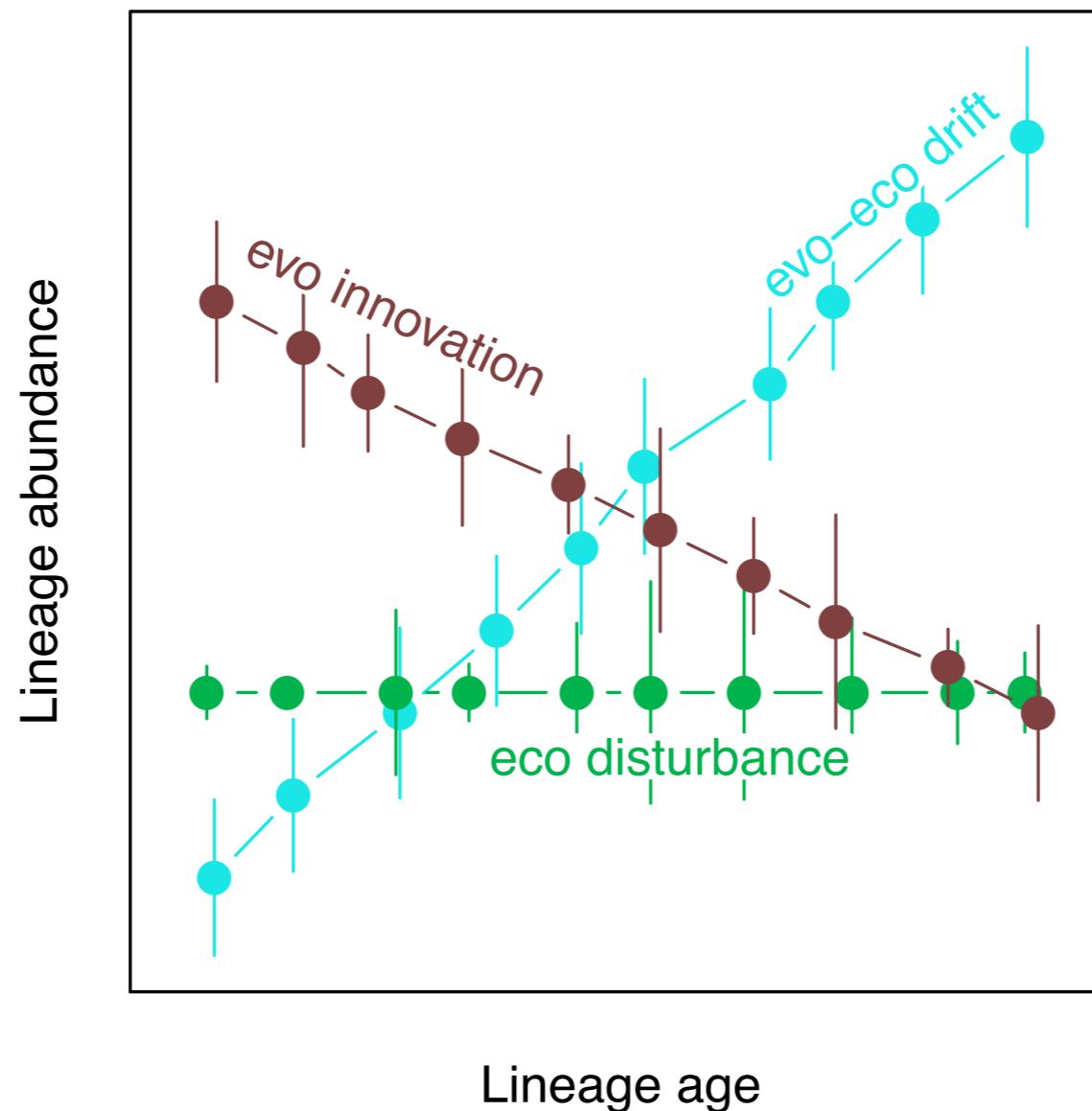
Combining evo and eco theories capture non-equilibrium



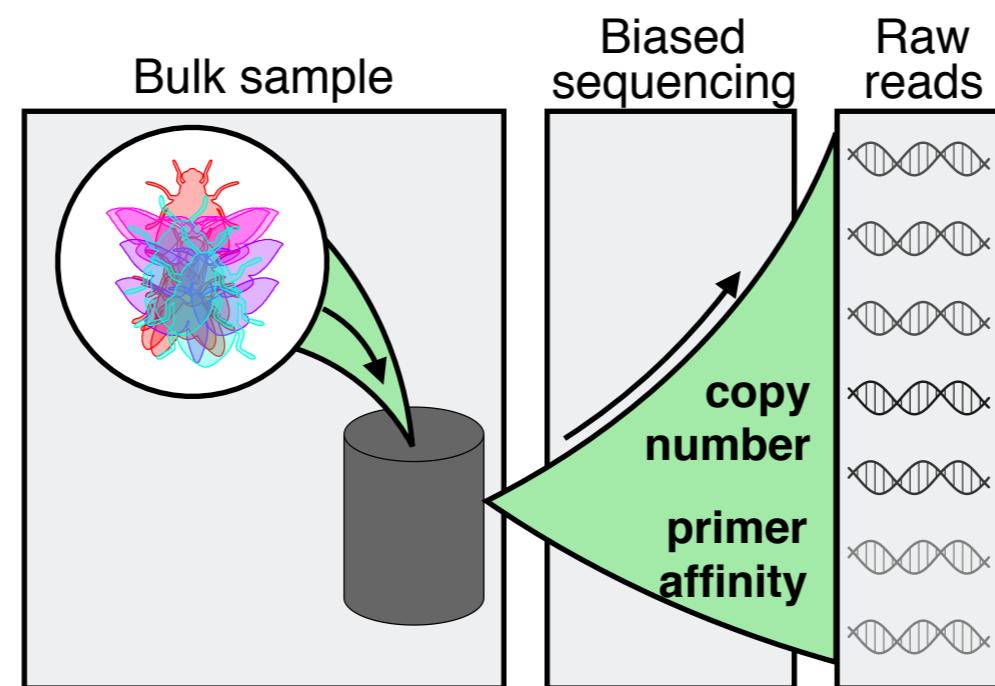
Combining evo and eco theories capture non-equilibrium



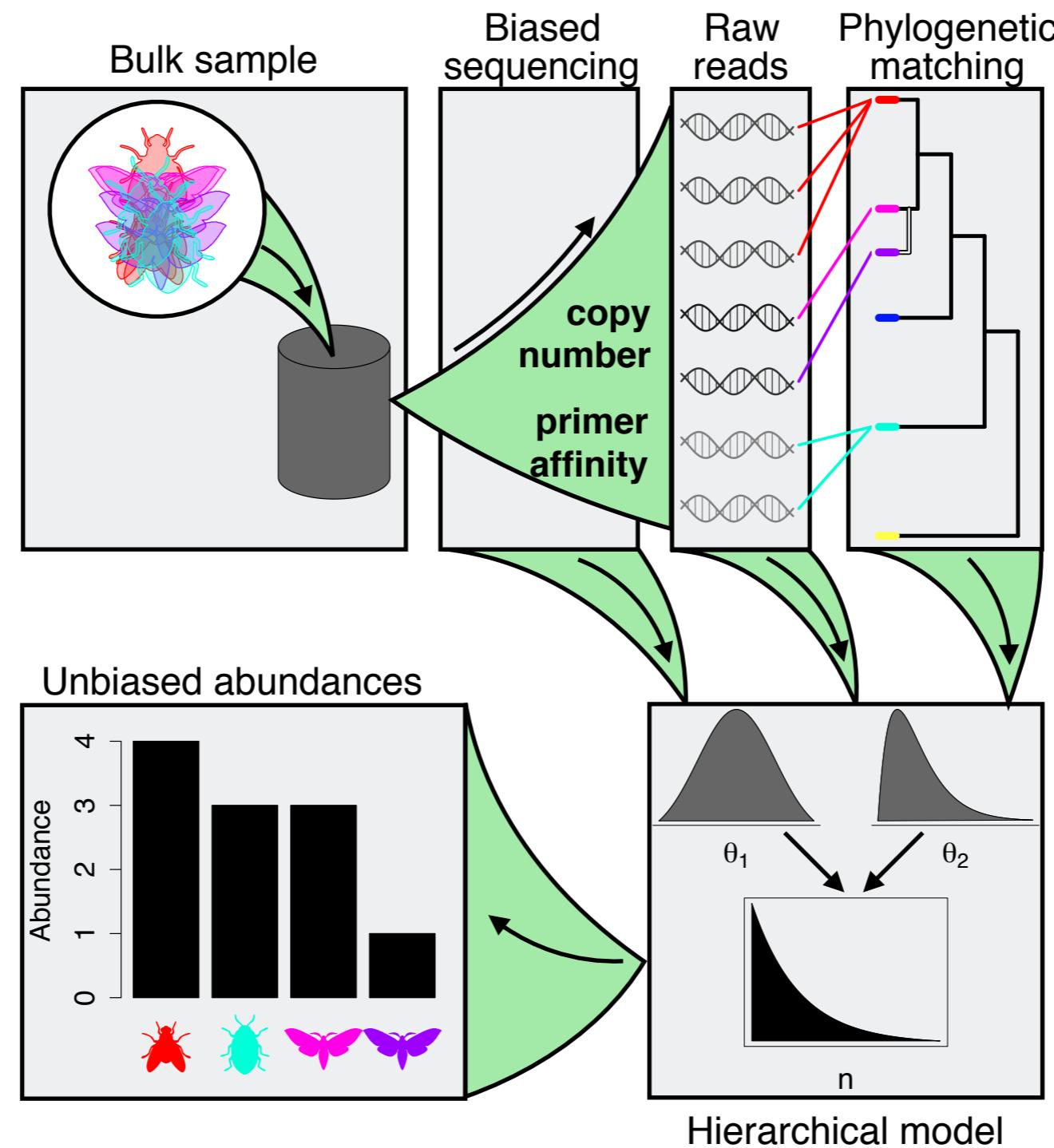
Combining evo and eco theories capture non-equilibrium



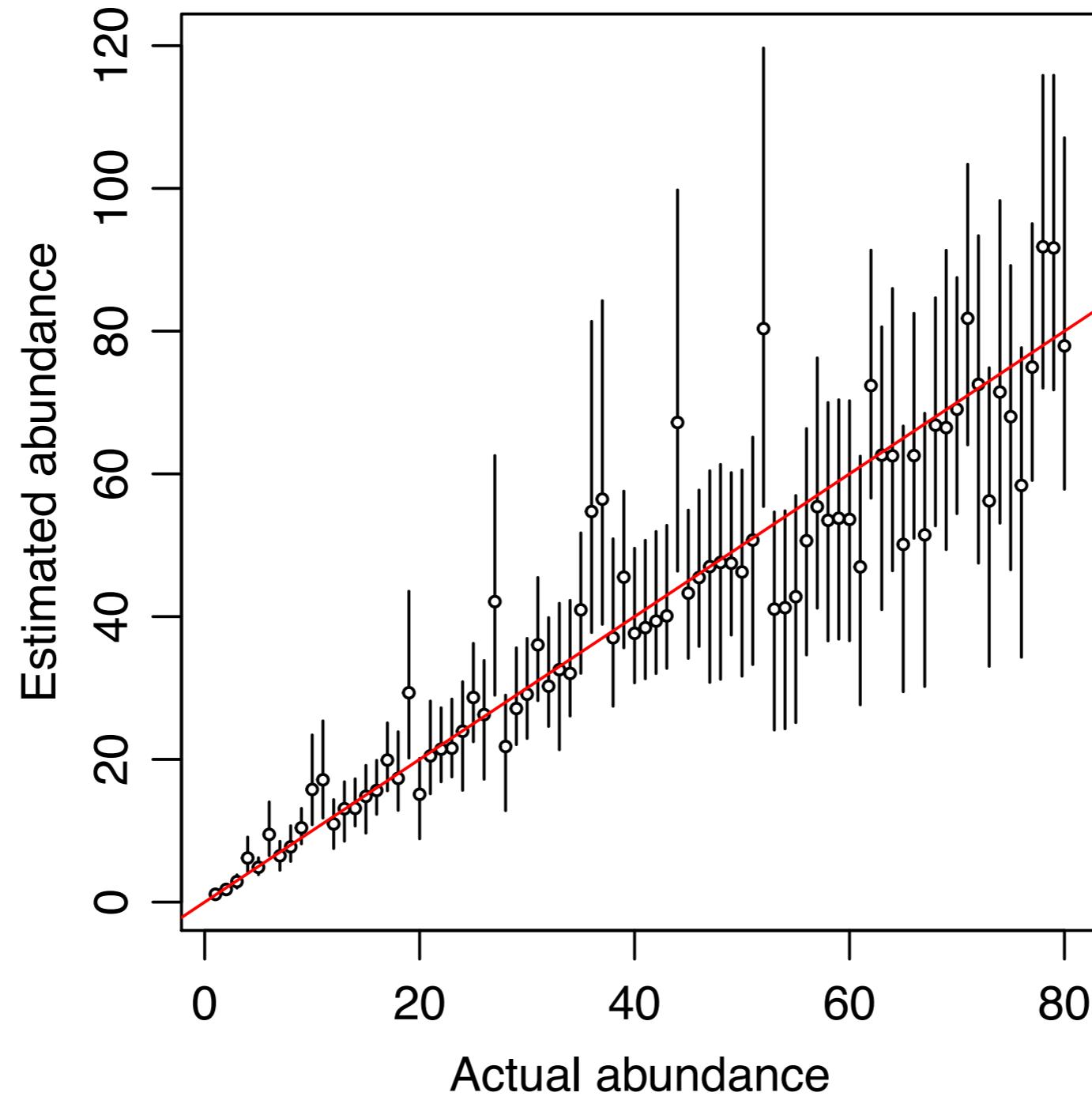
Metabarcoding (if done right) unlocks evo-eco data



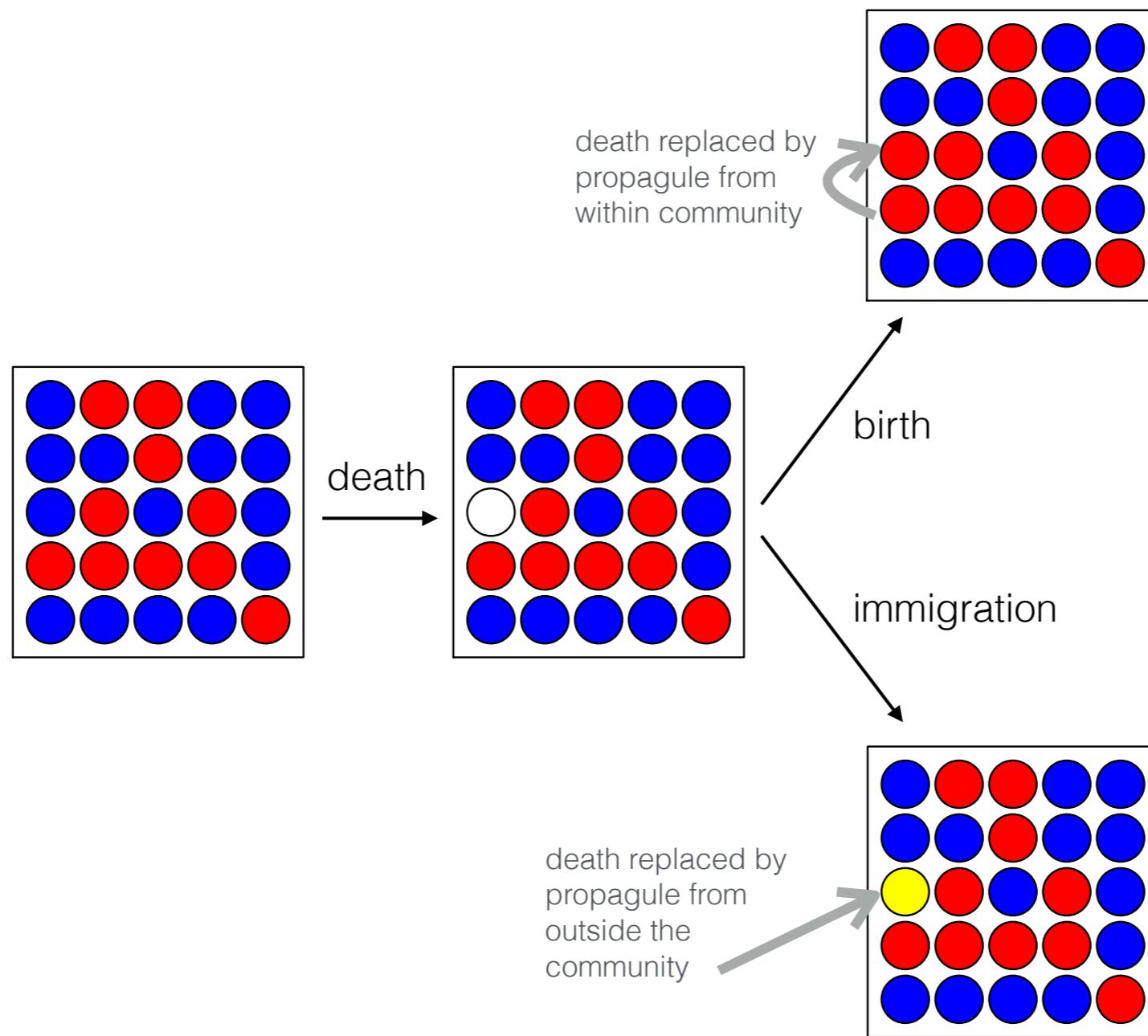
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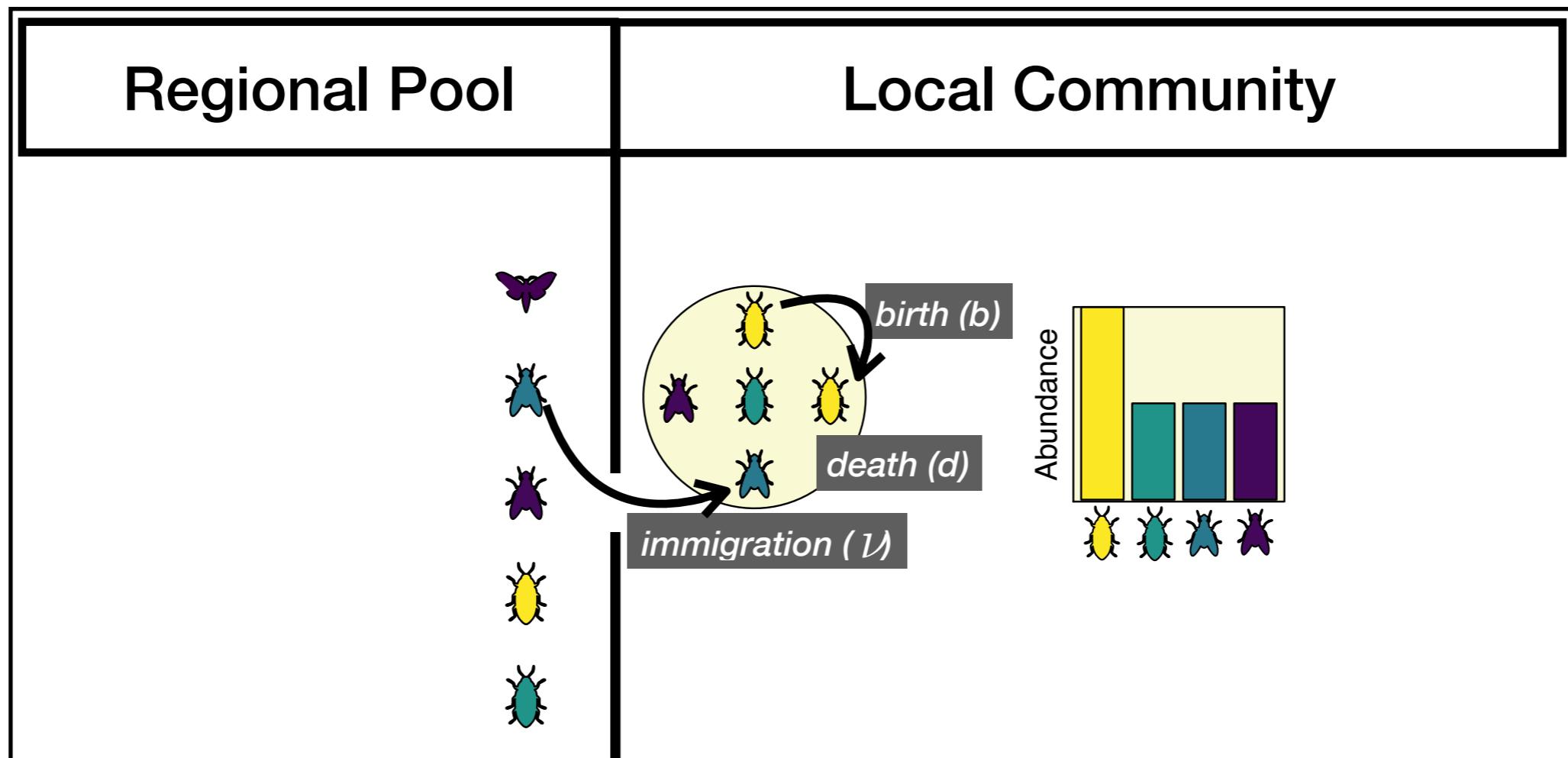
Metabarcoding (if done right) unlocks evo-eco data



Mechanistic evo-eco theory reveals cause of non-equilibrium

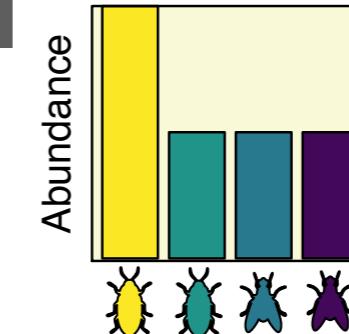
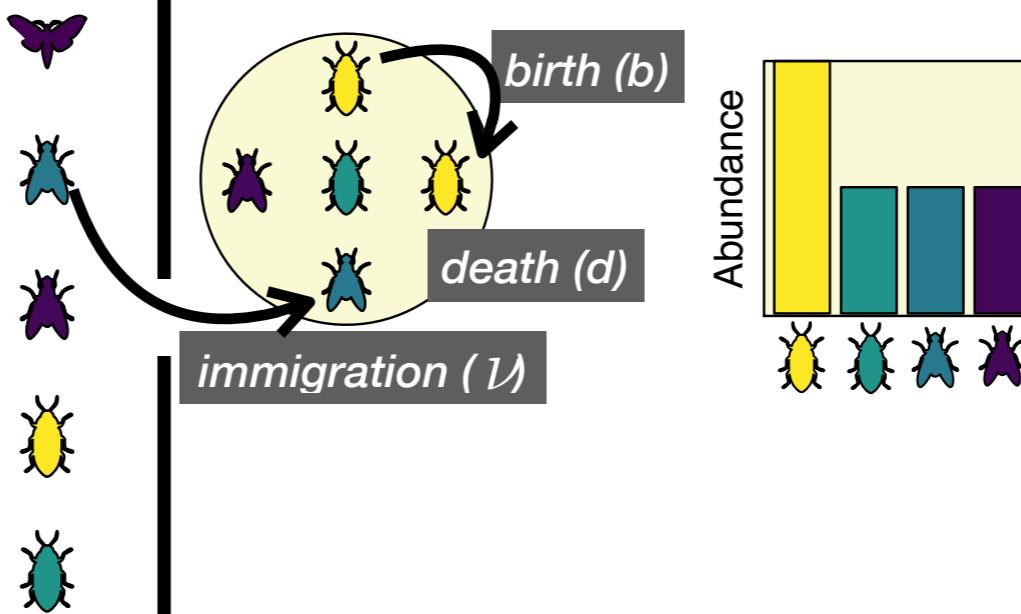


Mechanistic evo-eco theory reveals cause of non-equilibrium



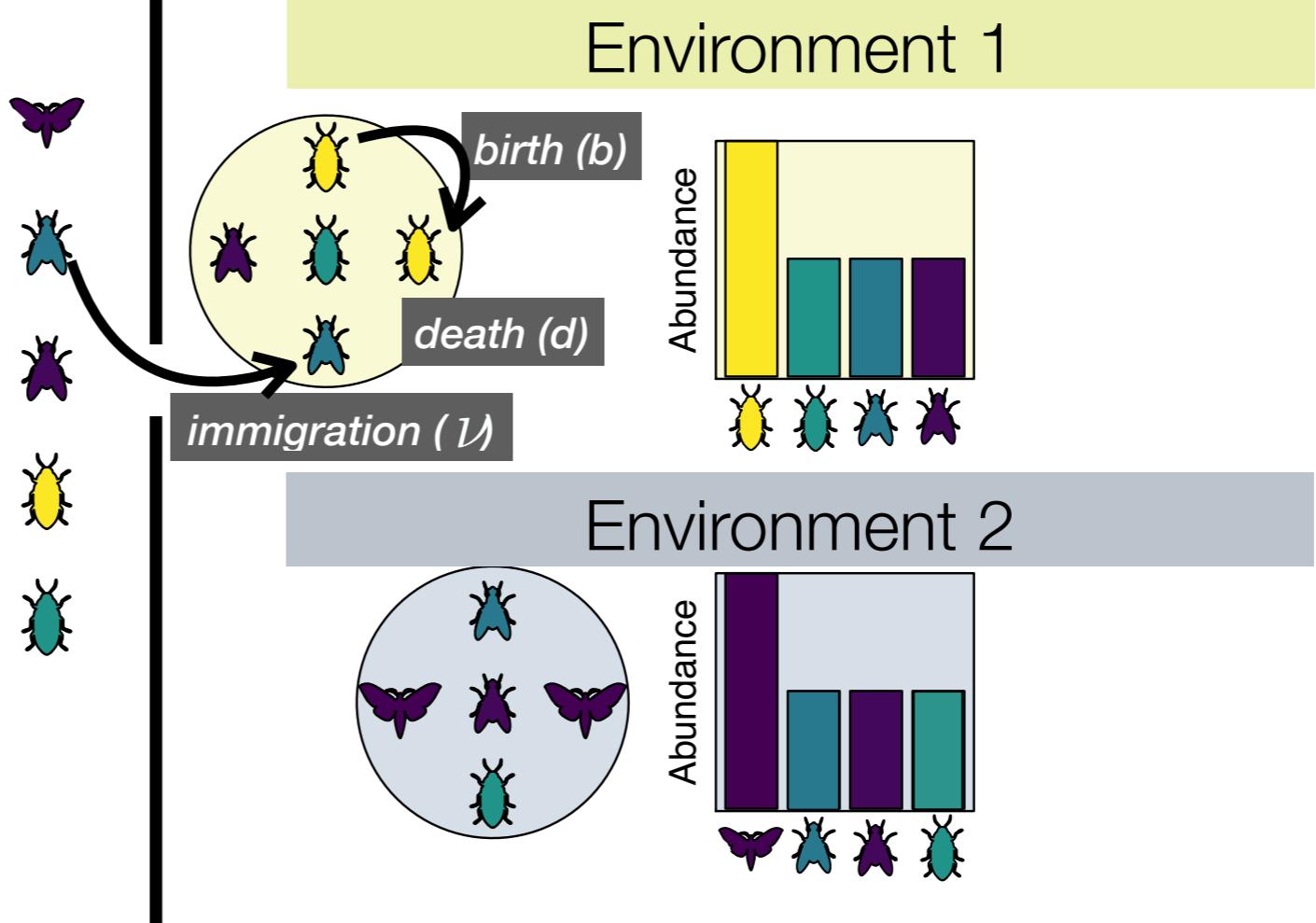
Regional Pool

Local Community



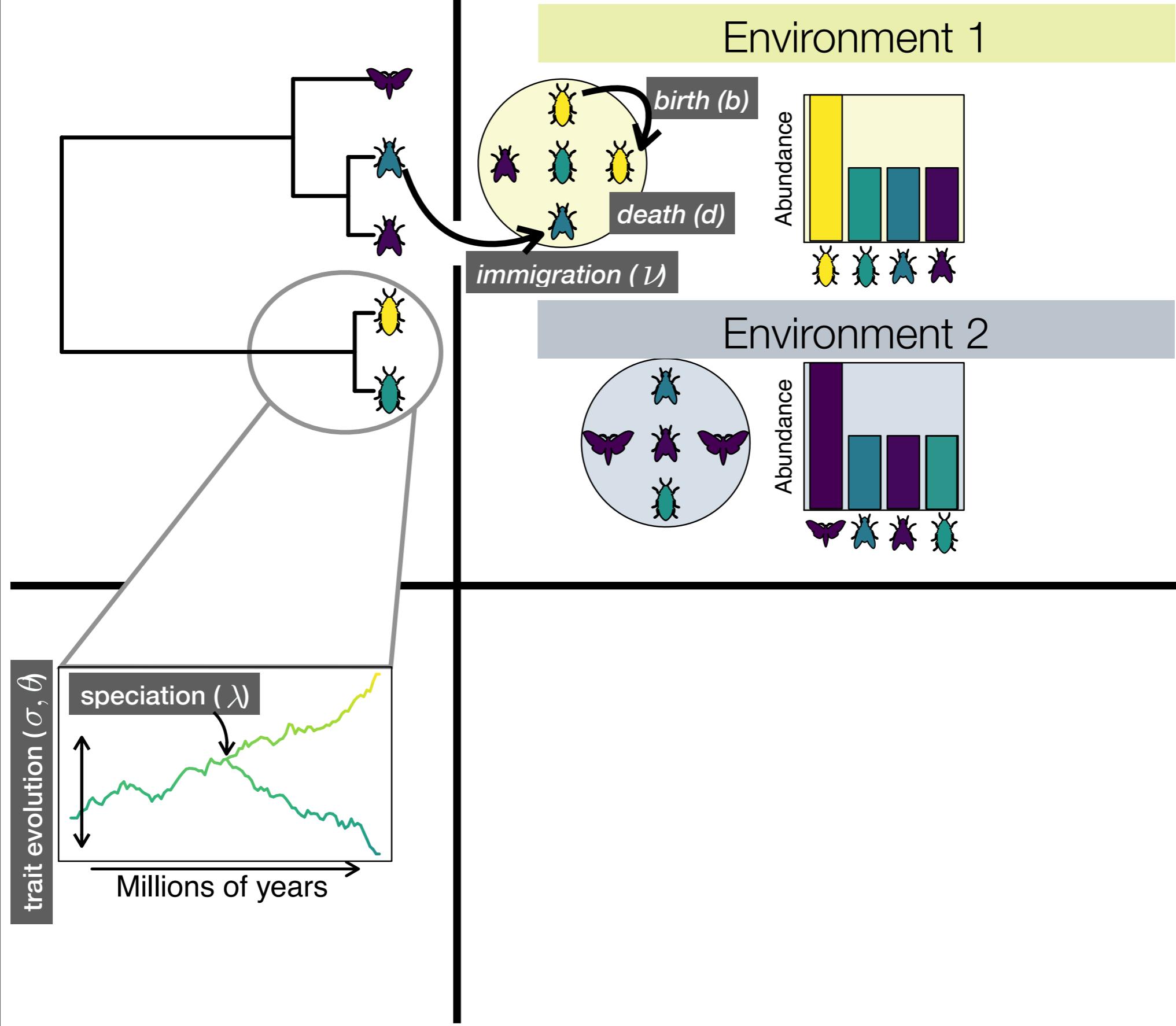
Regional Pool

Local Community



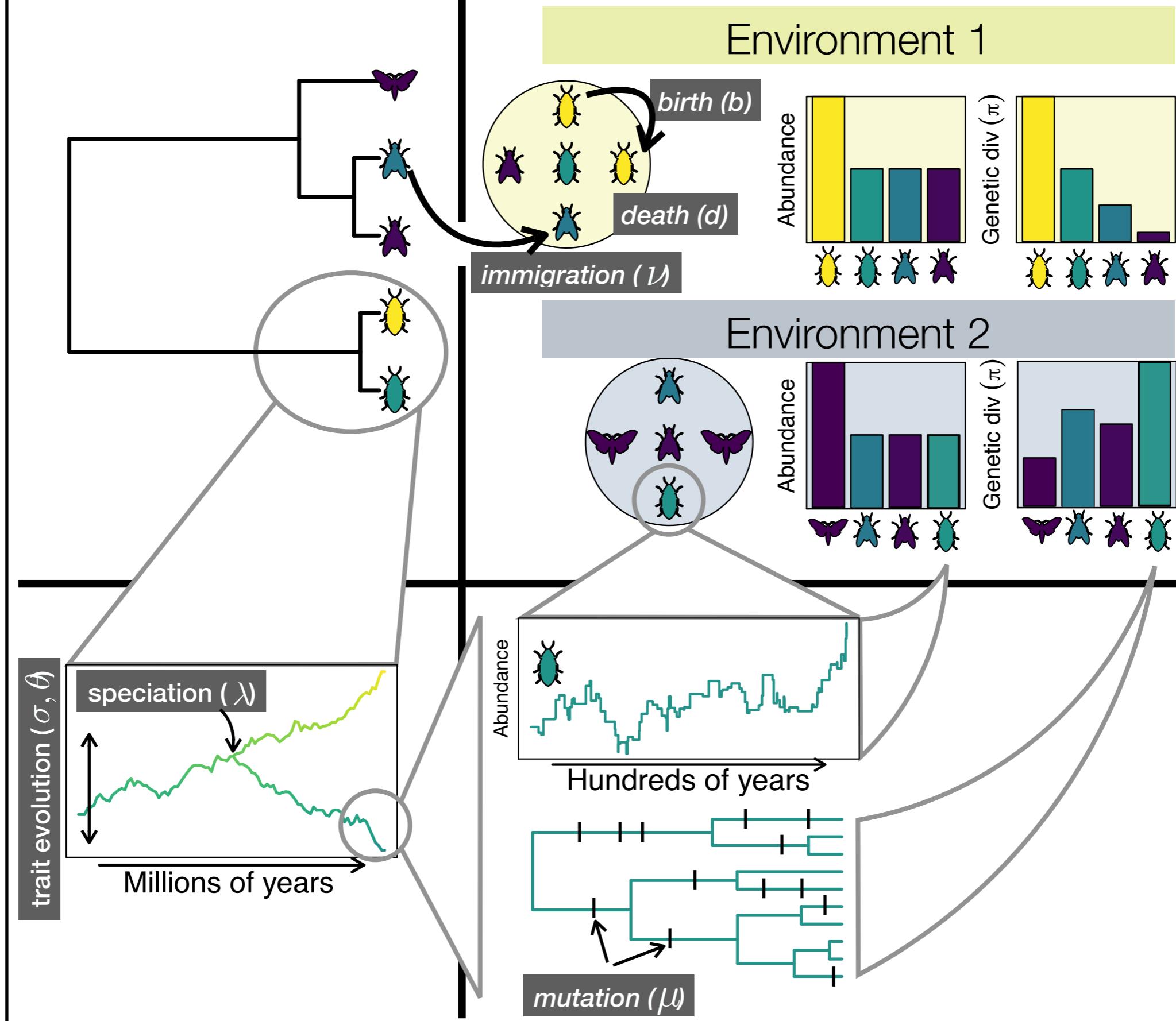
Regional Pool

Local Community



Regional Pool

Local Community



Thanks!



J. Harte



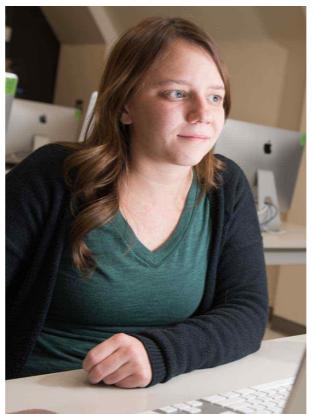
R. Gillespie



D. Gruner



L. Schneider



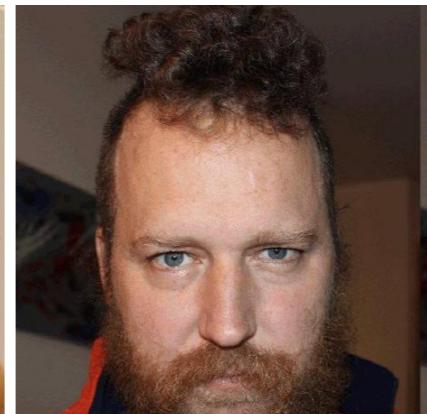
M. Ruffley



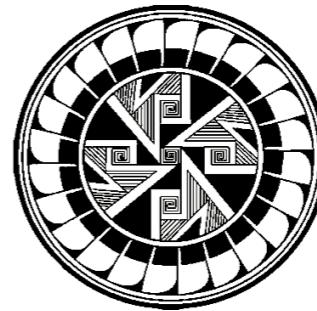
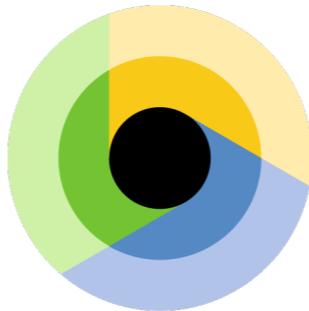
J. Chase



M. Hickerson



L. Harmon



Regional Pool

Local Community

