A seedling carpet dominated by *Dipteryx oleifera* (almendro) in the forest understory of Barro Colorado Island, Panama. Seedlings here have a lower probability of surviving when surrounded by neighbors of their own species. However, rare species suffer more from the presence of like neighbors than do common species, suggesting a mechanism that shapes species abundances in diverse tropical forest communities. See page 330.

**Photo:** Christian Ziegler
**RESEARCH ARTICLE**

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Dipeptides produced by a major bacterial pathogen are essential for successful infection.

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299 Single-Crystal X-ray Structure of 1,3-Dimethylcyclobutadiene by Confinement in a Crystalline Matrix  
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Strengthening a surface bond of an organic molecule upon cooling leads to disordering between molecules.

305 Biocatalytic Asymmetric Synthesis of Chiral Amines from Ketones Applied to Sitagliptin Manufacture  
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Strengthening of the bond of an organic molecule to a silver surface upon cooling disrupts intermolecular ordering.

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330 Asymmetric Density Dependence Shapes Species Abundances in a Tropical Tree Community  
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