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Light-driven active polar rods self-organize into dynamic collective states. Varying rod aspect ratio and concentration drives transitions between swarming, active turbulence, flocking, and jamming. These findings reveal how shape anisotropy and physical interactions govern collective motion in active matter, providing design rules for programmable synthetic materials and insight into bacterial swarms. See page 202. Illustration: A. Mastin/*Science*



## ON THE PODCAST

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