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*Cover photograph* (Courtesy of Matt Traxler, Harvard Medical School; reprinted with permission.): *Saccharopolyspora* sp. isolated from soil. A simple streak for single colonies results in a complex gradient of visible phenotypes. Regions of higher growth density trigger developmental differentiation on fully pigmented colonies, seen as fuzzy white aerial hyphae on red colonies at bottom, while colonies farther away display altered pigmentation and morphology, seen as yellow, highly rugose colonies at top. The strain was isolated by Hera Vlamakis.