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Cover: Male túngara frogs (*Physalaemus pustulosus*) produce courtship calls that are accompanied by conspicuous vocal sac inflation (live male, top panel). Females assess male multimodal signals consisting of a call and vocal sac inflation, although the call is dominant. Using a robotic frog with an inflatable vocal sac (bottom two panels), Taylor et al. (pp. 815–820) showed that when the robofrog's vocal sac was inflated asynchronously with the call, females discriminated against the robofrog. This indicates that although the vocal sac is a secondary signal component, it can strongly modulate mate choice. Live frog photograph by Ryan Taylor, Robofrog photographs by Barrett Klein.

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