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Cover picture: Infection of mammals with *Trypanosoma brucei* is characterized by upregulation of prostaglandin (PG) production, the mechanism of which is not well understood. It is now known that *T. brucei* synthesizes PGs from arachidonic acid (AA) and its metabolite, PGH₂. The trypanosomal enzyme converting PGH₂ to PGF_{2α} has been identified. The image proposes a biosynthetic pathway of PGs from AA and PGH₂. The scanning electron micrograph shows the long, slender bloodstream-form trypanosome taken from rats and colored pink along with erythrocytes colored orange. See related article in this issue by Kubata et al., pp. 1327–1337.

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