

## **The colorful molecular biology of monoxenous trypanosomatids**

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The dixenous trypanosomes and leishmanias are the best known representatives of trypanosomatids. However, they are just two out of many phylogenetic lineages that constitute this group of flagellates. The much less studied monoxenous trypanosomatids, mostly parasites or commensals of insects are highly diverse not only from the perspective of species richness, but show unexpected genetic, morphological and biochemical complexity. Moreover, they also harbor an interesting variety of viruses and bacterial endosymbionts. I will try to cover the novel features of monoxenous trypanosomatids of insects.