

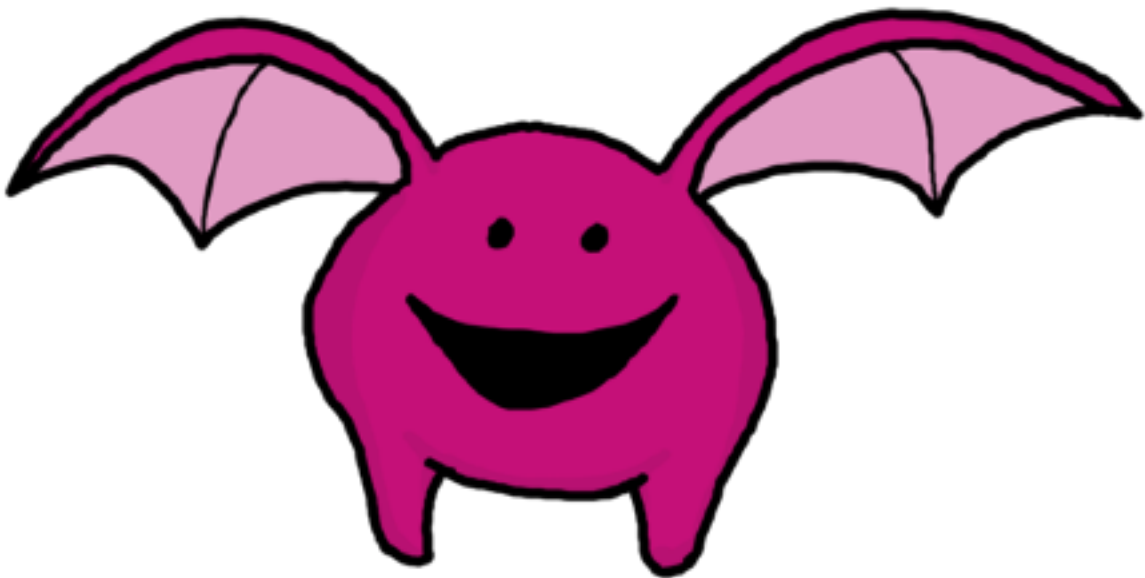


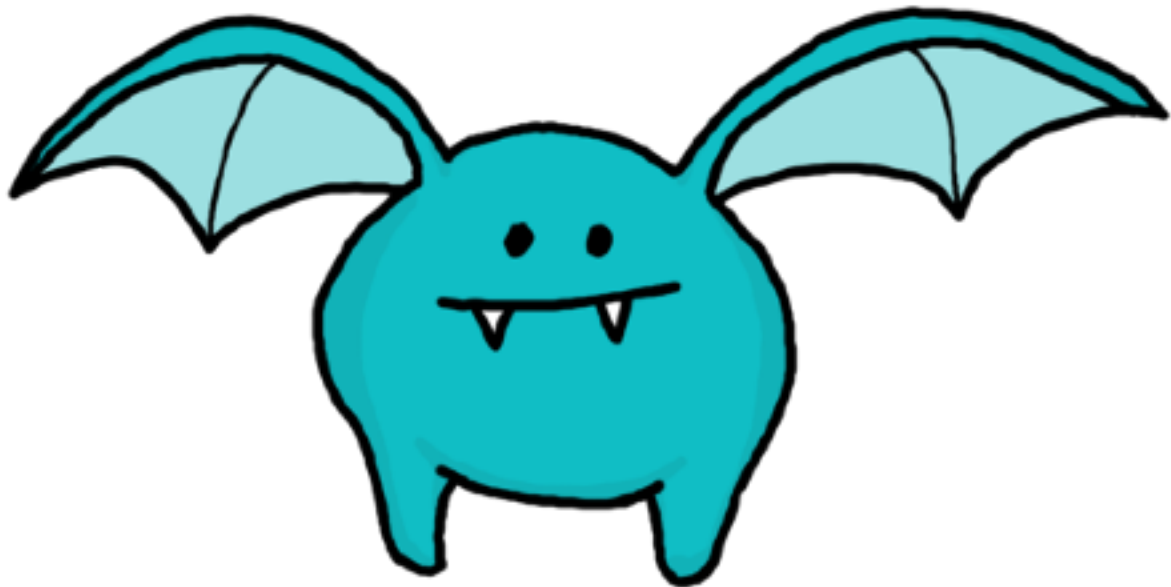
Instituto  
René Rachou  
**FIOCRUZ MINAS**



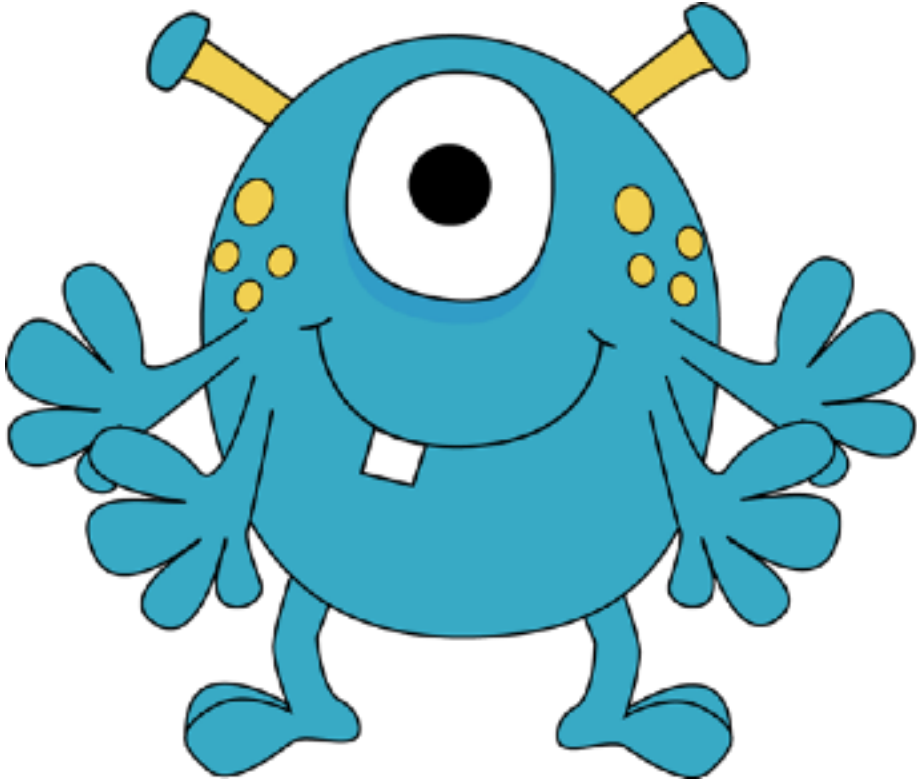
**Alignment-free methods**

• **Aprendizagem as características**

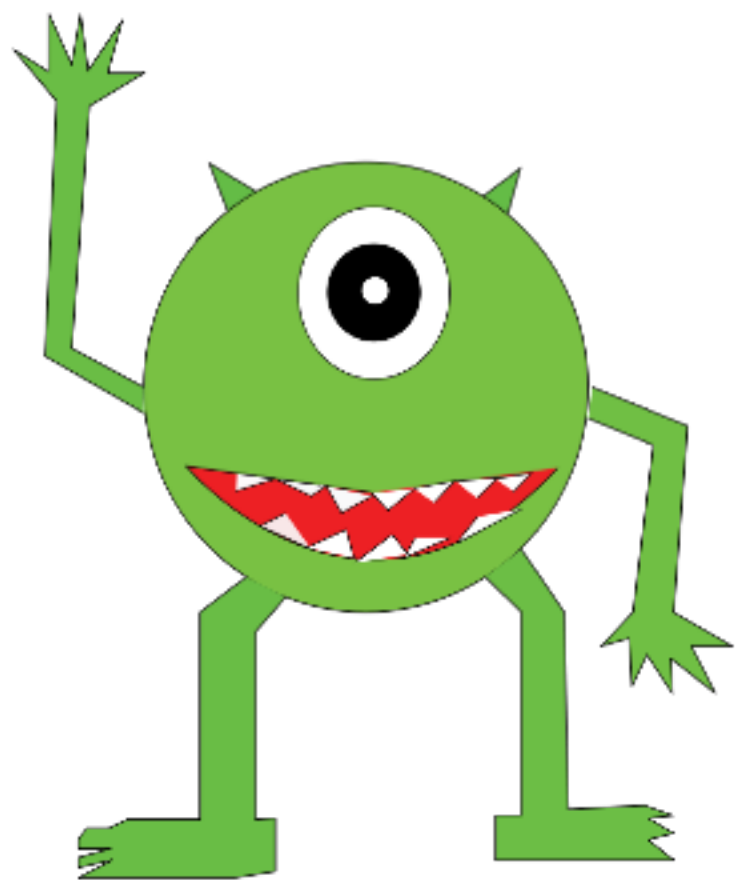






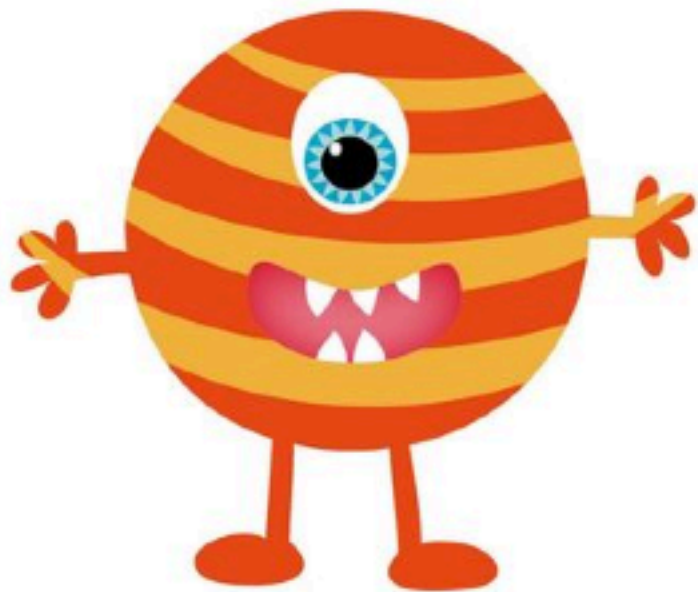








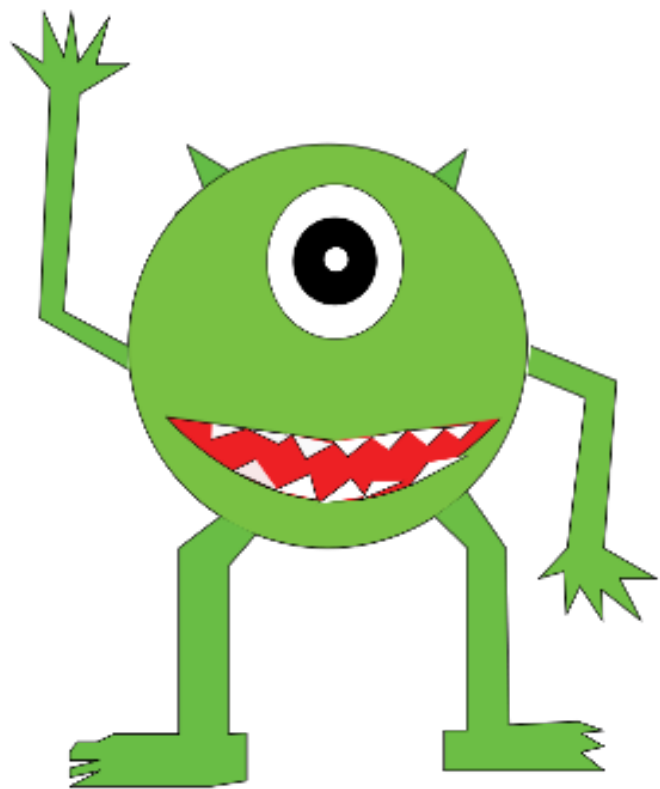




**Transnoma**

**Fun**

























- Aprendizado com as características das sequências.

Taxonomia



Funcional



- Função de uma proteína: alinhamento simples e local ou HMM
  - BLAST no Kegg Orthology
  - HMMer no Pfam
- Reportar a história de um gene: alinhamento múltiplo e global
  - Clustal
  - Mummer
- Classificação taxômica: alinhamento simples e global
  - RDP
  - Uclust
  - TAG.ME