

Cologne Evolution Colloquium

Molecular Basis of
Evolutionary Innovations

SFB 680

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Insights from the genome of the kissing bug, *Rhodnius prolixus*

The kissing bug, *Rhodnius prolixus*, is one of the vectors of Chagas' disease, an illness that affects about 7 million people in Latin America. In addition, *R. prolixus* has been also a classical model to study insect physiology and segment polarity. We have recently completed the draft genome for this species. The assembled *R. prolixus* genome spans 702 MB and the first gene set contains ca. 15,000 protein-coding genes. The discovery and experimental analysis of developmental genes, neuropeptides and small peptides, and insecticide resistance genes will be presented.

Tuesday, September 9, 2014, 16:00
University of Cologne, Institute for Genetics
Seminar Room 0.46

Hosted by Kristen Panfilio