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From AnoBase to Vectorbase

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AnoBase (<http://www.anobase.org>) is an integrated, relational database of basic biological and genetic data on anopheline species, with a particular emphasis on *Anopheles gambiae*; it has been designed as an information source and research support tool for the broad vector biology community. Although AnoBase is not a primary genomic database that develops and provides tools to access the genome of the malaria mosquito, it nevertheless contains several sections that offer data of genomic interest such as *in situ* hybridization images, an integrated gene tool and a direct on-line access to AnoXcel, the proteomic database of *An. gambiae*. Moreover, AnoBase also contains information on non-*gambiae* mosquito species and a novel section on studies related to insecticide resistance (in collaboration with Janet Hemingway and her group). We are now in the process of integrating AnoBase into VectorBase, the new integrated database for disease vectors. Here, we are especially involved in the construction of controlled vocabularies and ontologies, including the development of Anopheles-specific GO terms.

Publications

Mongin, M., Louis, C., Holt, R. A., Birney, E. and Collins, F. H. (2004). The *Anopheles gambiae* genome: an update on sequence, data, annotation and access. *Trends Parasitol.*, 20, 49-52.

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Topalis, P., Koutsos, A.C., Dialynas, M., Kiamos, C., Hemingway, J. and Louis, C. (2005) AnoBase: A genetic and biological database of *anophelines* *Insect Mol. Biol.*; in press