

Invited lecture:

Comparative analysis of hemocyte differentiation and plasticity in *Drosophila* species

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Date: 4. 6. 2015

Hour: 1:00 p.m.

**Room: Institute of Entomology,
Boardroom**

Lecture is organised in frame of MODBIOLIN project (FP7, GA 316304).

We analyzed the larval effector hemocyte types of several *Drosophila* species, and found significant differences between the melanogaster and the ananassae subgroup. Instead of lamellocytes, encapsulation in *D. ananassae* and *D. bipectinata* larvae is achieved by a novel cell type, the multinucleated giant hemocyte. Here we summarize the analogies and differences of hematopoiesis and compartmental plasticity between *D. melanogaster* and *D. ananassae*.

You're welcome!

