

College of Natural Resources and the Environment

University of Massachusetts Amherst

Competitive Agricultural Systems in a Global Economy

Endocrine regulation of reproduction in higher dipterans

Issue

It is known that life span of flies can be extended up to 400% experimentally.

What has been done?

My lab helped to show that nutrition, reproduction and longevity of flies are controlled by endocrine mechanisms involving insulin-like hormone and steroid hormones.

Impact

With these findings, we are one step further to our goal which is to greatly extend human life span using hormone treatment.

Primary impact area(s)

- Research
- Education

- Extension

Funding sources

- Hatch Act

Topics

- Biotechnology

Contacts

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