

Insect Diapause

Fall 2023, 1 credit seminar

ECL 290 CRN 29673 (Cross-Listed with ENT, PBG, and ANB)

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In seasonal environments, organisms must withstand long periods of unfavorable conditions. Dormancy is one mechanism for persistence in such conditions and is therefore an integral part of individual and population persistence in many taxa. In the face of environmental variation, many insects undergo diapause, a unique metabolic state in which organisms delay development. In this seminar we will read the book, [Insect Diapause](#) (2022) by David Denlinger, and discuss chapters weekly. Discussions will span levels of analysis; topics include the evolution of diapause, the genetic and hormonal mechanisms underpinning diapause, and the role of seasonal cues in diapause determination, etc.

We will meet on Wednesdays 10:00 AM - 11:00 AM in Briggs 336

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