



**Mardi 20 mars 2018, 11:00**

Salle de réunion

**INFLUENCE OF HISTORICAL LAND USE AND MODERN AGRICULTURAL EXPANSION ON THE SPATIAL AND ECOLOGICAL DIVERGENCE OF SUGARCANE BORER, *DIATRAEA SACCHARALIS* (LEPIDOPTERA: CRAMBIDAE) IN BRAZIL**

par

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📍 The analysis of microsatellite data from populations of the sugarcane borer, *Diatraea saccharalis*, collected on maize, sugarcane and sorghum, revealed how the interaction between the evolutionary history of this species and historical and modern agricultural activity in Brazil shaped the spatial genetic structure and may have facilitated the ecological divergence and incipient host shift.

📍 I will present the main results of the research I conducted during my PhD, as well as the results of some projects on the genetics of insect adaptation I am working on.

📍 The other projects include: the adaptation of the soybean aphid, *Aphis glycines*, to resistant plants; and the phylogeography of *Belgica antarctica*, an endemic wingless midge of the Antarctica.