

# 第157回 システム自然科学研究科セミナー 第53回 生物多様性研究センターセミナー

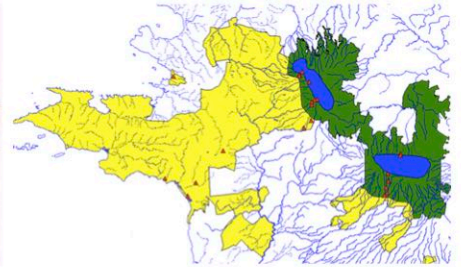
- 日時：令和元年9月4日（水） 午後4時～5時
- 場所：名古屋市立大学 山の畑キャンパス 4号館大講義室
- 講師：Elyssa Loewen 氏 (Former student at the University of Guelph, ON, Canada)
- 題目：Changes in Staphylinidae functional morphology and diversity among neotropical ecosystems



Photo Credit: Dr. M. Alex Smith



Photo Credit: Dr. M. Alex Smith Laboratory



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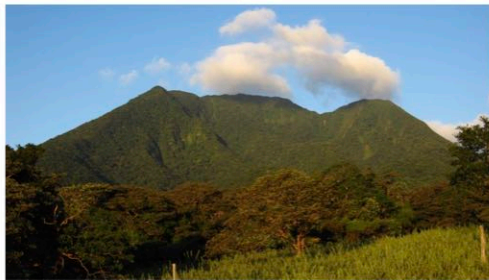


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Staphylinidae is a hyper-diverse and abundant family of beetles found worldwide. Like many tropical arthropods, our understanding of neotropical staphylinids suffers several taxonomic impediments. As a consequence, the ecology of many members of the Staphylinidae family in the neotropics is not well defined, begging the usage of alternate methods to gain insights into their ecology. In this seminar, I will discuss my research project into the ecology and functional diversity of Staphylinidae of the Área de Conservación Guanacaste (ACG) in northwestern Costa Rica. I combine molecular ecology (DNA barcoding) with morphometrics and systematics to determine how Staphylinidae functional morphological diversity changes between different habitats along an elevation gradient in my study system. By using this interdisciplinary approach, I gathered insights into how evolutionary history links traits, how much morphological variation is due to environmental factors, and how specialized staphylinids are to their environment. This work contributed to continued efforts to determine at risk communities in the ACG and develop conservation strategies.

\* コスタリカのハネカクシ類昆虫の機能形態と DNA バーコーディングに関する話です。

\* 学内外の教員・学生・市民の皆様の御参加を広く歓迎致します (参加無料)。

山の畑キャンパスへの道順：<http://www.nsc.nagoya-cu.ac.jp/location.html>

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