Gall Things Considered: the Taxonomy of Gall Wasp Parasitoids in Genus *Ormyrus*

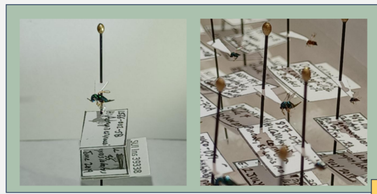
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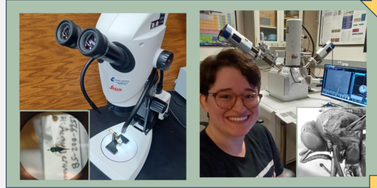
Introduction

- Parasitic wasps are one of the most species-rich animal groups[1]
- Determining parasitic wasp species is important for understanding the ecology and evolution of parasitic host associations
- Species concepts described based solely on morphology may contain multiple genetically distinct species
- Previous genetic work showed that multiple specimens, all considered *Ormyrus labotus* by the existing key[2], are actually multiple different species[3]
- The objective of this research is to identify morphological differences that can be used to describe all of the new species that were discovered via genetic techniques

Process



1. Prepare and pin specimens

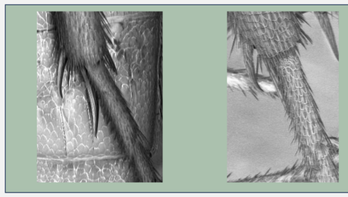


2. Microscopy

- Light
- Scanning Electron

3. Construct character matrix

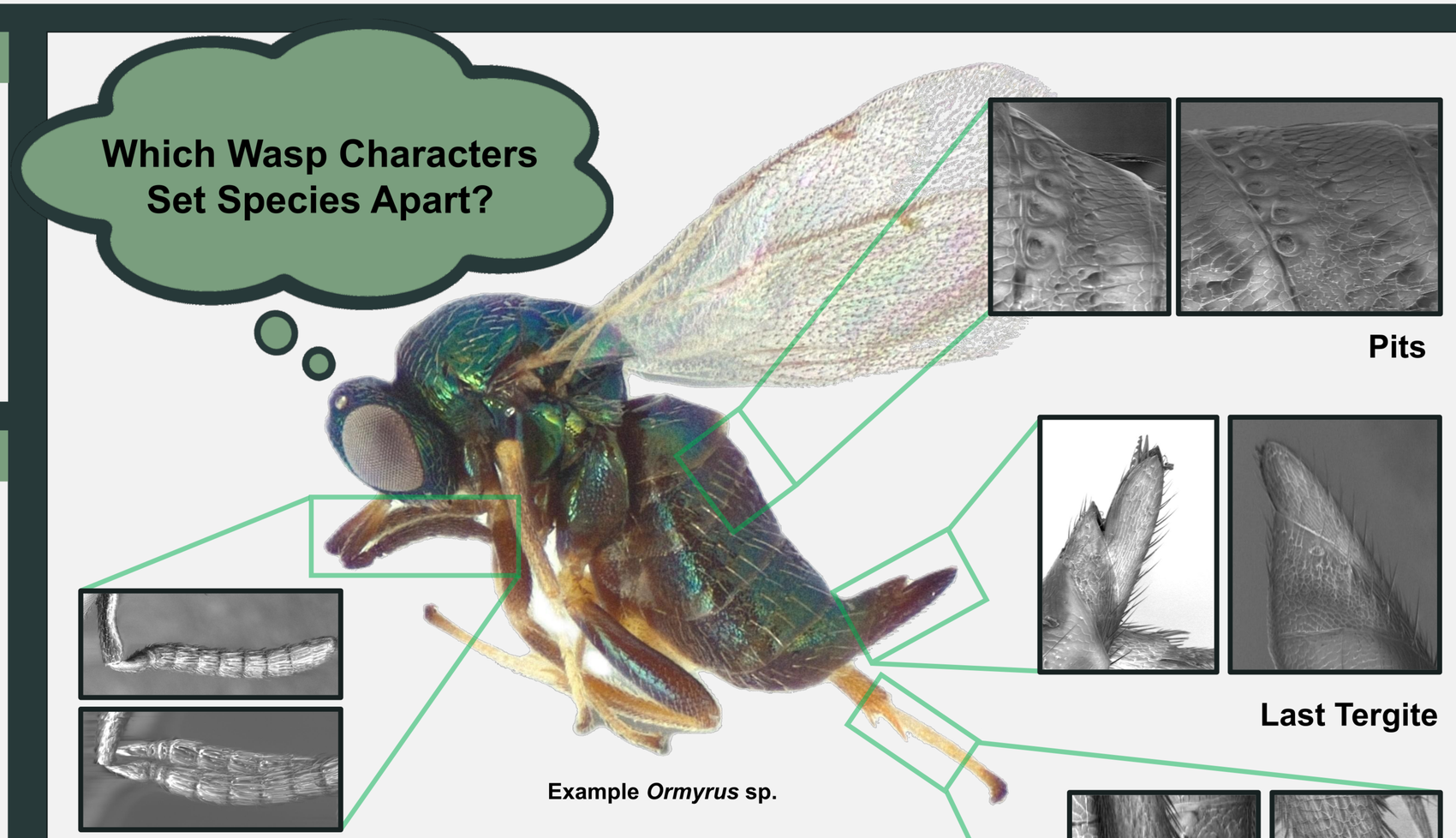
Antenna Characters		
Antenna form	**Number of anelli**	**Funicular segments**
subcla…	1	subquadrate…
subfilif…	2	subquadrate…
subfilif…	2	subquadrate…
subfilif…	2	subquadrate…
subfilif…	2	subquadrate…
subfilif…	1	subquadrate…



4. Identify characters that delimit species



5. Describe species



What's Next? Species Description

- Characters delimiting species will be used in future species descriptions
- Additional discovered species will be analyzed and compared for delimiting characters

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References

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