

Pictured: *Ovaustra aurantia*  
(Braconidae: Mesostoinae)

# Taxonomy and systematics of the parasitoid subfamily Mesostoinae



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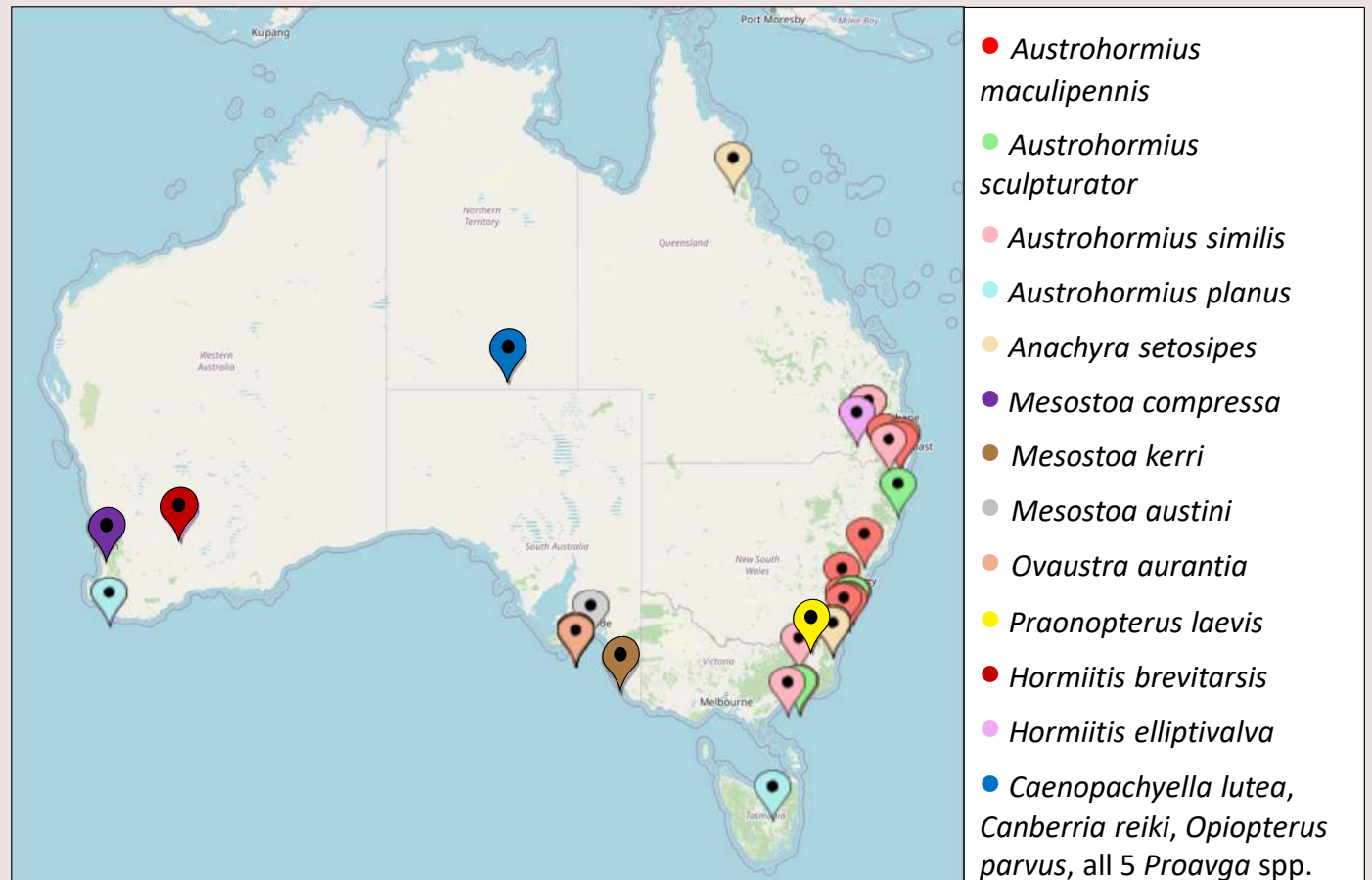
Primary supervisor:  
Dr Erinn Fagan-Jeffries

Secondary supervisors:  
Dr Michelle Guzik, Dr Richard Glatz

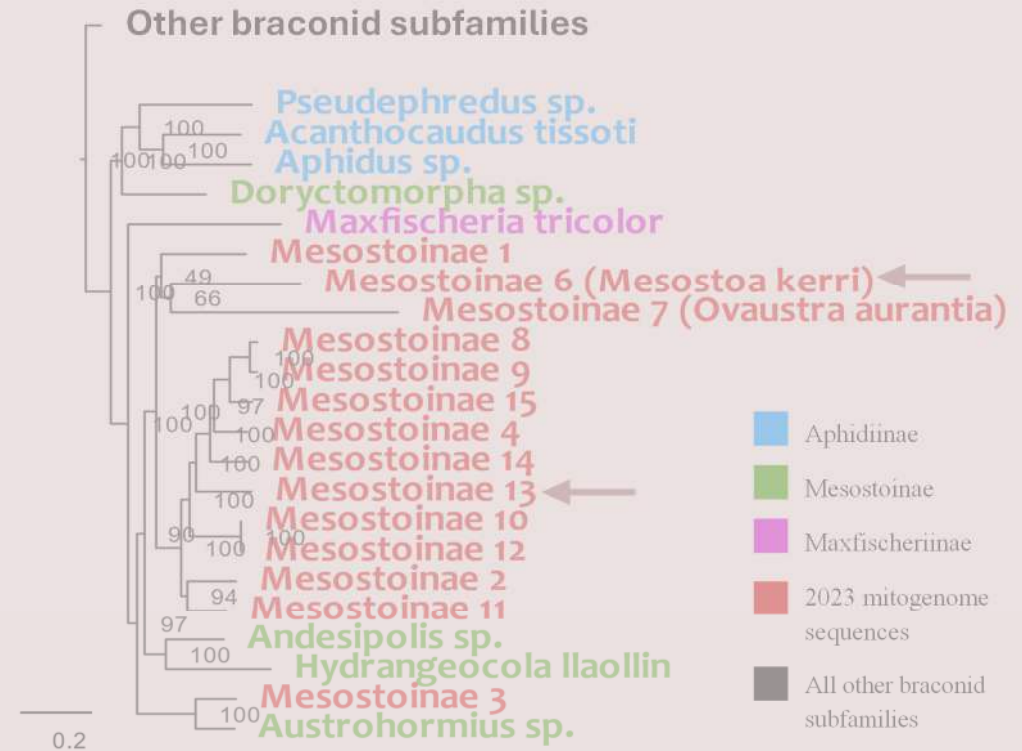


# Subfamily Mesostoinae

- Gondwanan distribution
- Vague morphology, hard to identify to subfamily
- Nine endemic genera, few species



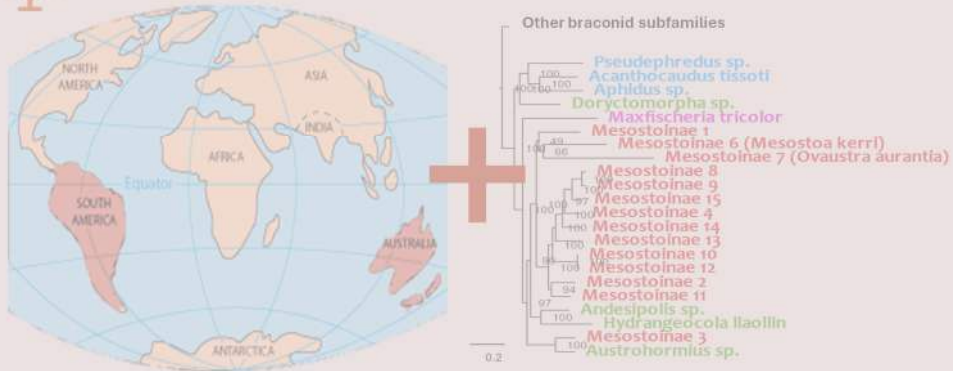
# Background Research



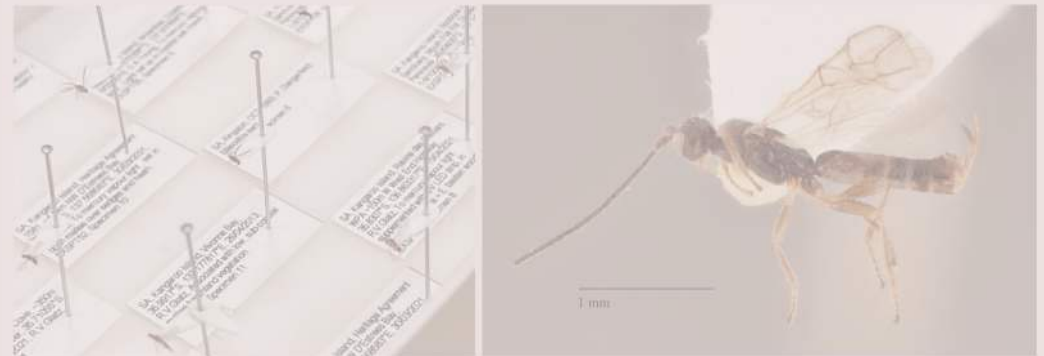
- New sequences were added to existing braconid dataset

# Creating resources that will be useful to future studies involving Mesostoinae

 High quality genetic analyses for global taxa



 In depth and efficient species descriptions



 Determining host species



known relationship

> *Mol Ecol.* 2011 Jan;20(1):179-86. doi: 10.1111/j.1365-294X.2010.04918.x. Epub 2010 Nov 18.

## Molecular analysis of parasitoid linkages (MAPL): gut contents of adult parasitoid wasps reveal larval host

Rodolphe Rougerie <sup>1</sup>, M Alex Smith, Jose Fernandez-Triana, Carlos Lopez-Vaamonde, Sujeevan Ratnasingham, Paul D N Hebert

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Invertebrate  
Systematics and  
Biodiversity Lab

