

# ESMI Guest Lecture Series

**G.J. Melendez-Torres, Senior Lecturer, Cardiff University**

We can see the forest, but where are the trees? Methods to bridge diversity and meta-analysis

**Wednesday 24 Jan 2018**

**1000 - 1100**

## Room

W K Norman Seminar Room  
St Luke's Campus  
Exeter

## Video link

Truro Knowledge Spa F083 and  
Plymouth John Bull Building MR10

## More info

ESMI@exeter.ac.uk

[http://medicine.exeter.ac.uk/esmi/  
events/esmiguestlectureseries/](http://medicine.exeter.ac.uk/esmi/events/esmiguestlectureseries/)

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How do we account for diversity of interventions in synthesising evidence for their effectiveness?

What are the analytic opportunities this heterogeneity presents?

Starting from the perspective that heterogeneity, both clinical and statistical, is an opportunity rather than a nuisance. GJ will present work undertaken with collaborators to develop methods for synthesising evidence within broad classes of interventions. These methods include intervention components analysis, qualitative comparative analysis and network meta-analysis, and suggest how multiple reviews can be brought together to understand heterogeneity.

Together, these methods offer new insights into which interventions are more likely to be effective than others.



**G.J.** is based at Cardiff University and DECIPHER as Senior Lecturer in Social Sciences and Health. A registered nurse by education and vocation, he would probably describe himself as an epidemiologist who enjoys the company of sociologists. Before joining Cardiff University, he worked in the health technology assessment group at Warwick Medical School.