

## Dr. Anna Riach

MSci Zoology (University of Glasgow)

PhD Biology (University of York)



### Research Interests

- Plant-insect interactions
- Zoological collections
- Welfare in domestic dogs

### Current Projects

Evaluation of zoo enclosures- multiple approaches including video analysis to assess the design of an enclosure

### Current Student Projects

Causes of stereotyping in an Amur leopard (*Panthera pardus orientalis*)

Zoo visitor abundance and effects on behaviour of captive giant otters (*Pteronota brasiliensis*)

Olfactory enrichment to prevent distress in dogs (*Canine familiaris*)

Discrimination of scents from neutered and entire dogs

Adoption rates of dogs in UK rescue centres

Effects of enrichment on the growth rate and welfare of intensively kept pigs (*Sus scrofa domesticus*)

### Recent Publications

Fryer, E & **Riach, A. C.** 2016. How the gender and pitch of a pre-recorded voice affects the reaction time of domestic dogs (*Canis familiaris*) when given a command. **In draft**

**Riach, A.C.**, Perera, MVL, Florance, HV, Penfield, SD and Hill, JK. 2015. Analysis of plant leaf metabolites reveals no common response to insect herbivory by *Pieris rapae* in three related host-plant species. *Journal of Experimental Botany* 66(9), 2547-2556

Relationships between insects and their host-plants viewed through metabolomic fingerprints. Presentation at 11<sup>th</sup> INTECOL Congress with British Ecological Society, London 2013. Anne Keymer Prize awarded.