

## **Talk: Investigating butterfly wing evolution at macroevolutionary scale**

*Speaker:* Nicolas Chazot (Swedish University of Agricultural Sciences)

### *Abstract:*

I will briefly present some results about macroevolutionary patterns of butterfly wing diversification we obtained primarily from the Neotropical Morpho butterflies. We generated fore and hind wing shape data for 900 specimens, representing the 30 species, which we combined with as many ecological and behavioural information as available. We identified both changes in the rate and direction of wing size and shape evolution, primarily resulting from shifts in habitat use. I will finish by discussing the challenges in studying butterfly wing shapes at the macroevolutionary scale and how we are currently scaling up our analyses at larger phylogenetic scale.