

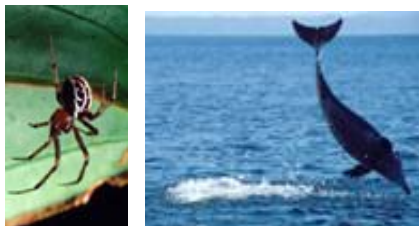
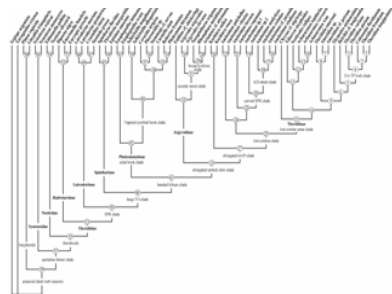


# Ingi Agnarsson – Evolutionary Biology Lab



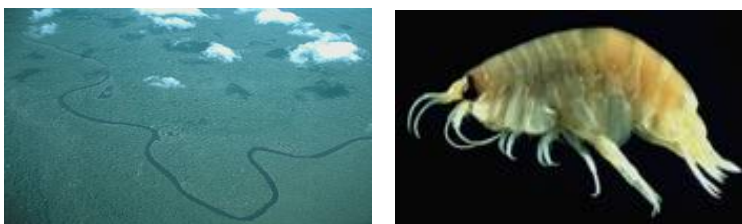
Research focuses on systematics and evolution of SPIDERS and phylogeny of MAMMALS. Current spider projects include biogeography, evolution of sociality and inbreeding, biodiversity estimation, silk biomechanics, phylogeography, population genetics, ecology, behavior, conservation, morphology, and taxonomy. Current mammal projects include phylogenies of mammal orders, evolution of acoustic communication and brain size.

## Phylogeny and Evolution



**Phylogenetics** of spiders and mammals  
**Evolution** of sociality, brain size, sex, etc.

## Biogeography and Ecology



**Biogeography and Phylogeography** in the Caribbean and the Indian Ocean

**Diversification** – speciation on islands

**Spider webs** as habitat patches, or **Islands**

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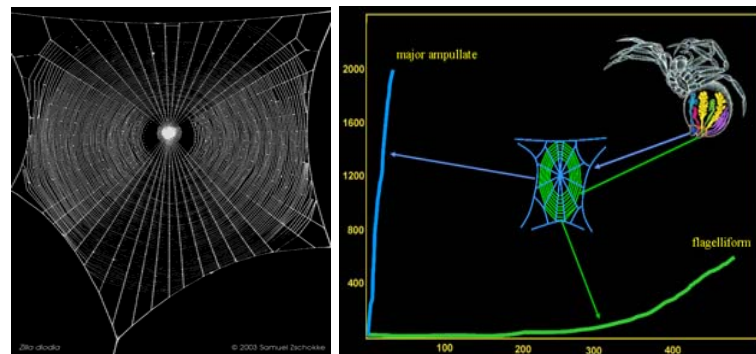
## Biodiversity discovery



**Biodiversity inventories** to estimate species richness, generating data for **Conservation**

**Taxonomy**: descriptions of new spider species

## Biomechanics



**Spider silk** as **SUPER-material**

**Silk evolution** and **Material Performance**