

## SCHOEN Q&A

Dave Horne 11:25 AM

*Isa, thank you for an excellent, enjoyable and informative talk. Question: if you could obtain the full genome of one ostracod species, which would you choose, and why?*

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I have already chosen *Darwinula stevensoni* to obtain a full genome because it is a putative ancient asexual, which makes it a very interesting study object for evolutionary research. Because ostracods are in general so small and have little soft tissue to extract DNA from, genomic techniques are difficult to apply and individuals need to be pooled. This is easier with an asexual species because it is genetically identical whereas populations of sexual species are usually more genetically diverse, which can lead to problems later with the genome assembly.

DAVID SIVETER 11:28 AM

*We have no fossil record of ostracods in the Cambrian. How confident are you that the m. clocks show a Cambrian origin for the group?*

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I would actually be rather confident that the molecular clock is correct but it would of course be much better if this could be confirmed by phylogenetic reconstructions using whole genome sequence data of various ostracods