

1

Cnidarians are powerful models for studying the origin of functional cell types

2

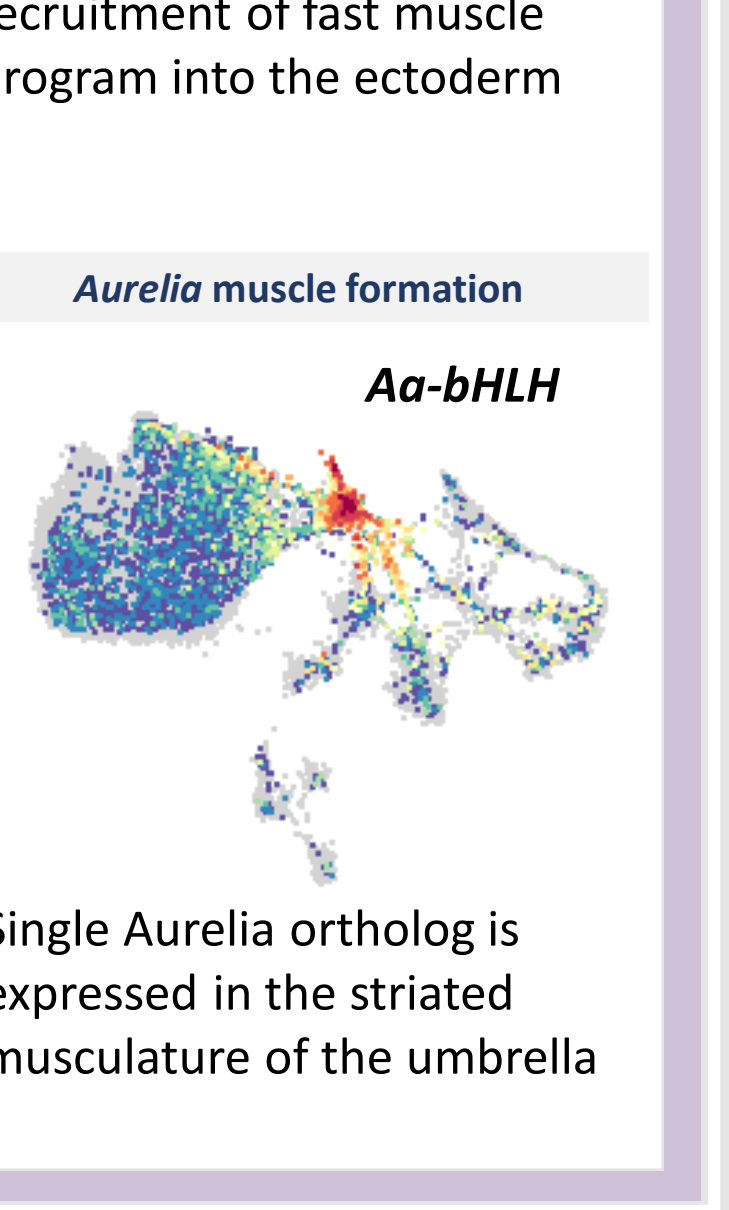
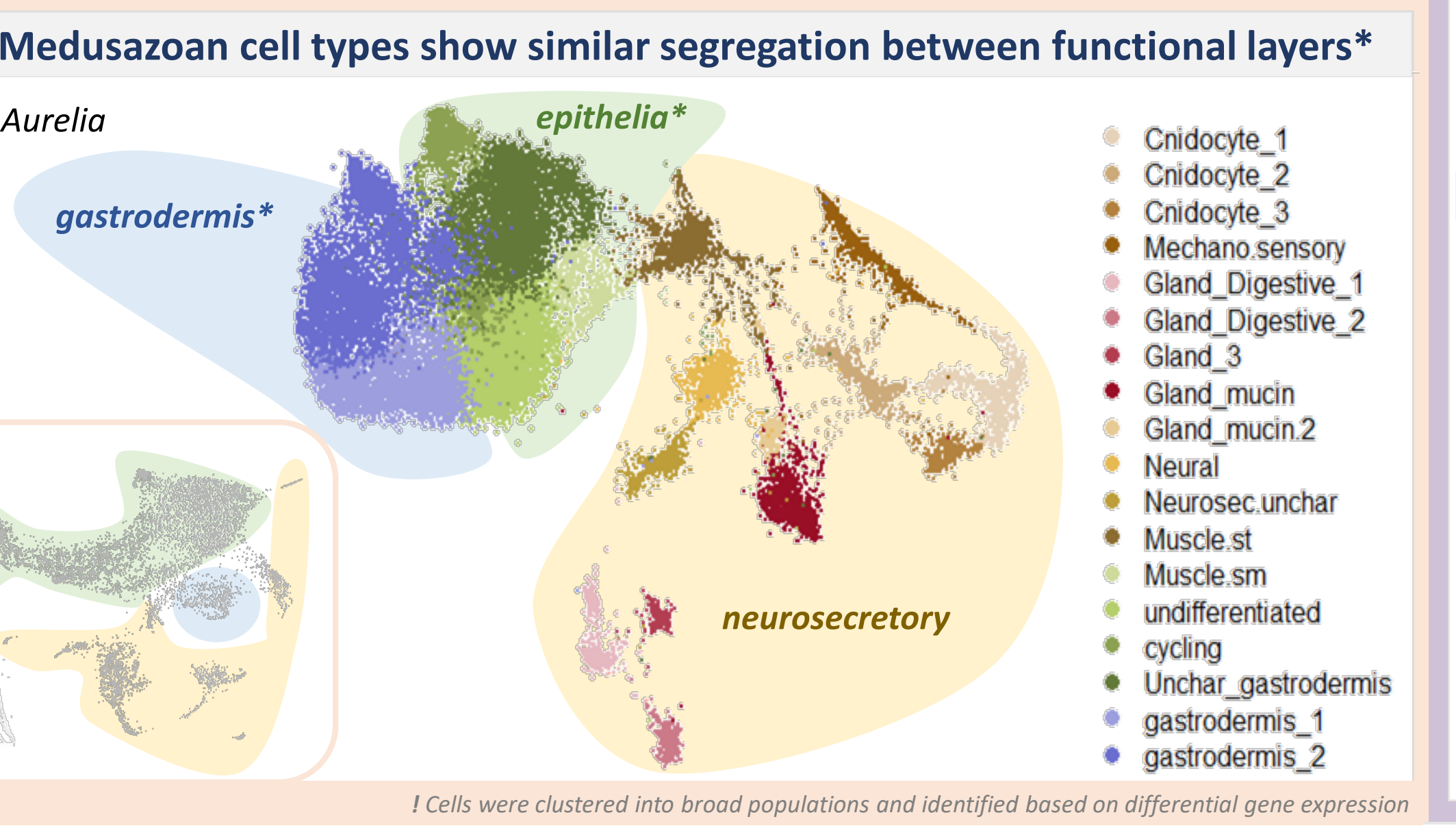
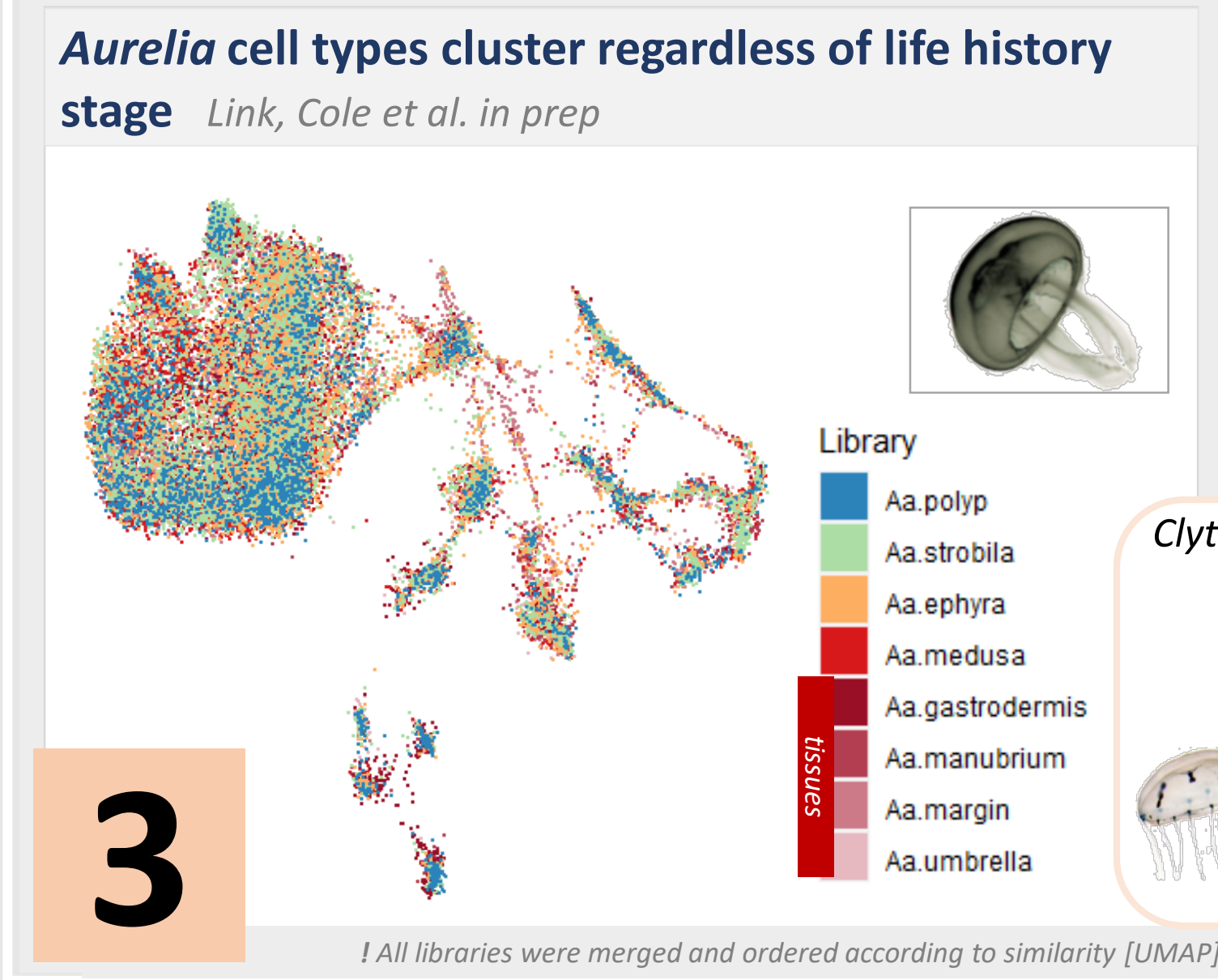
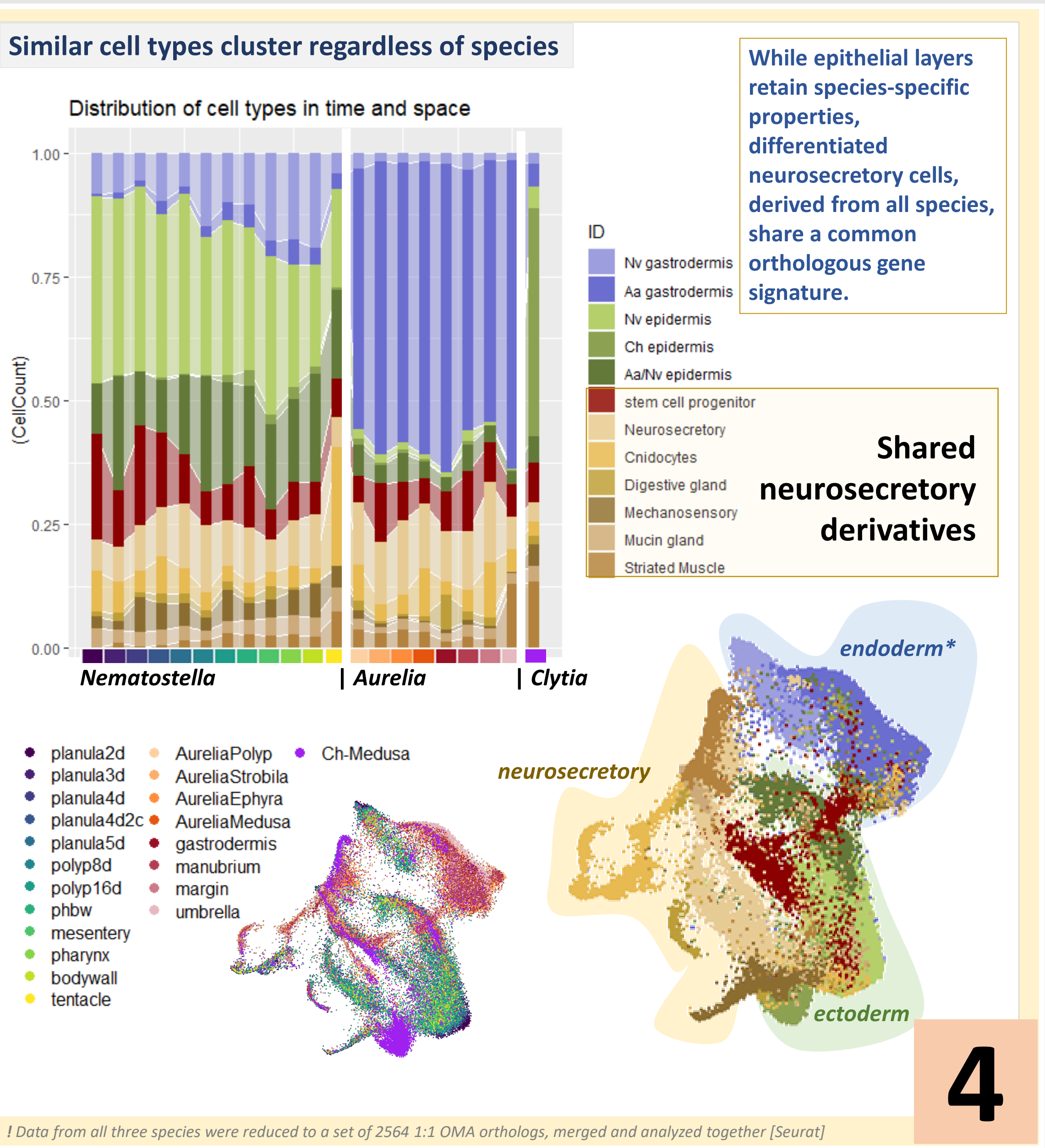
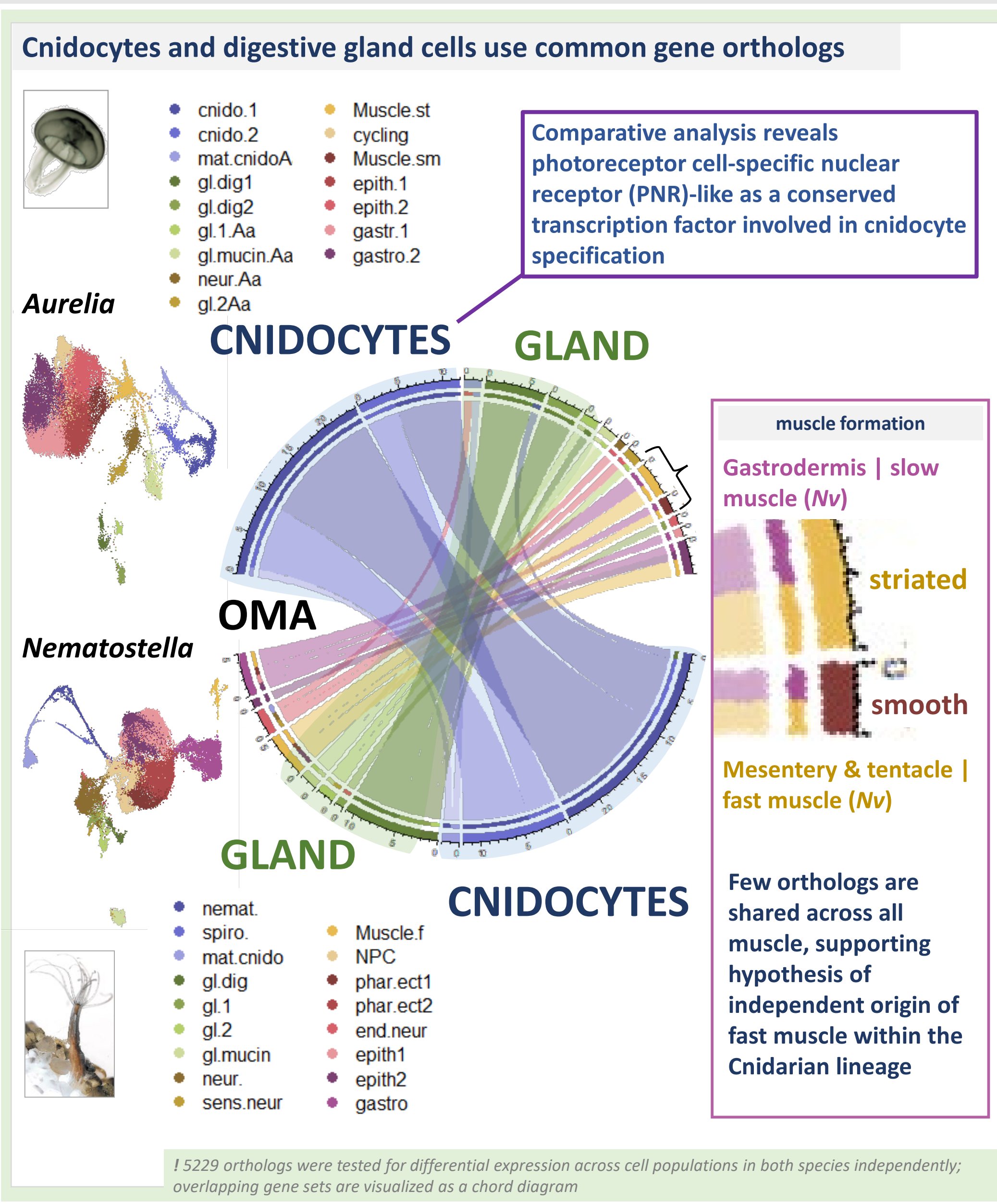
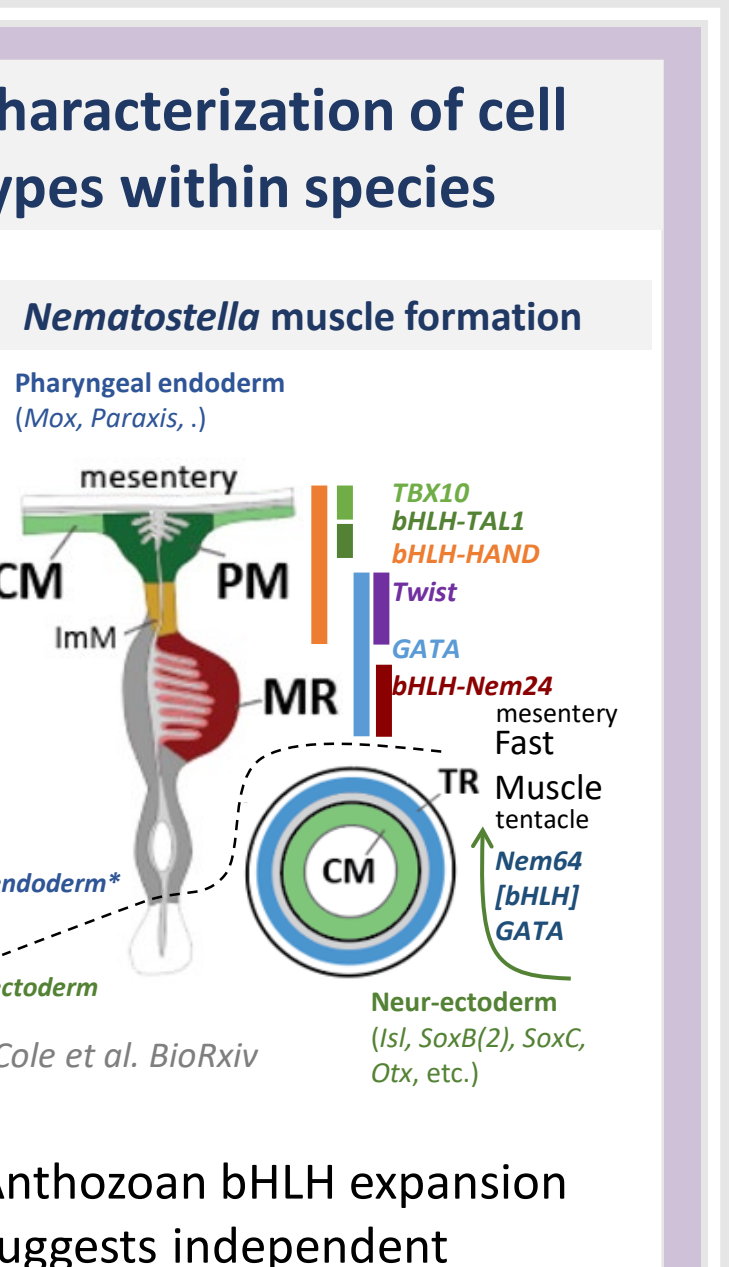
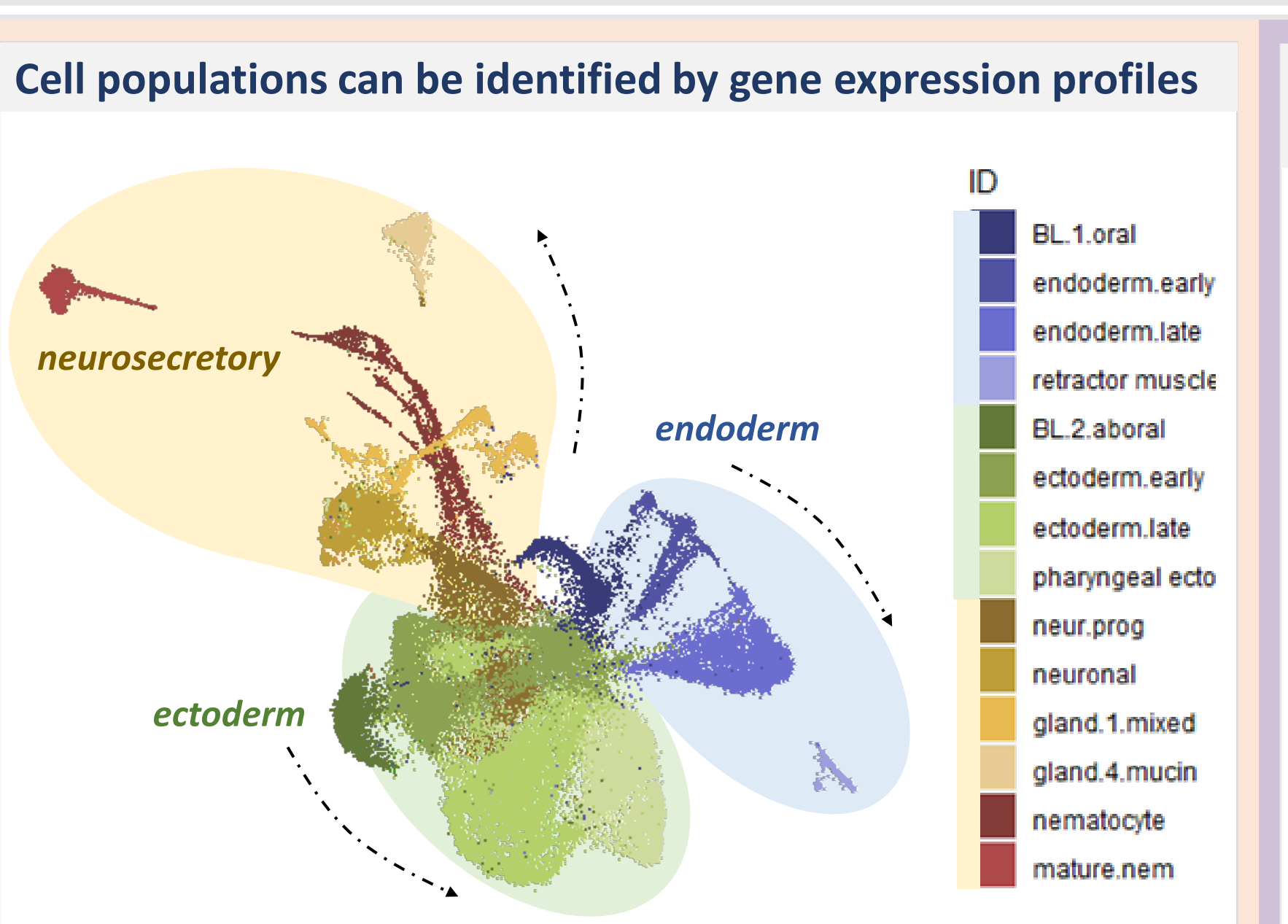
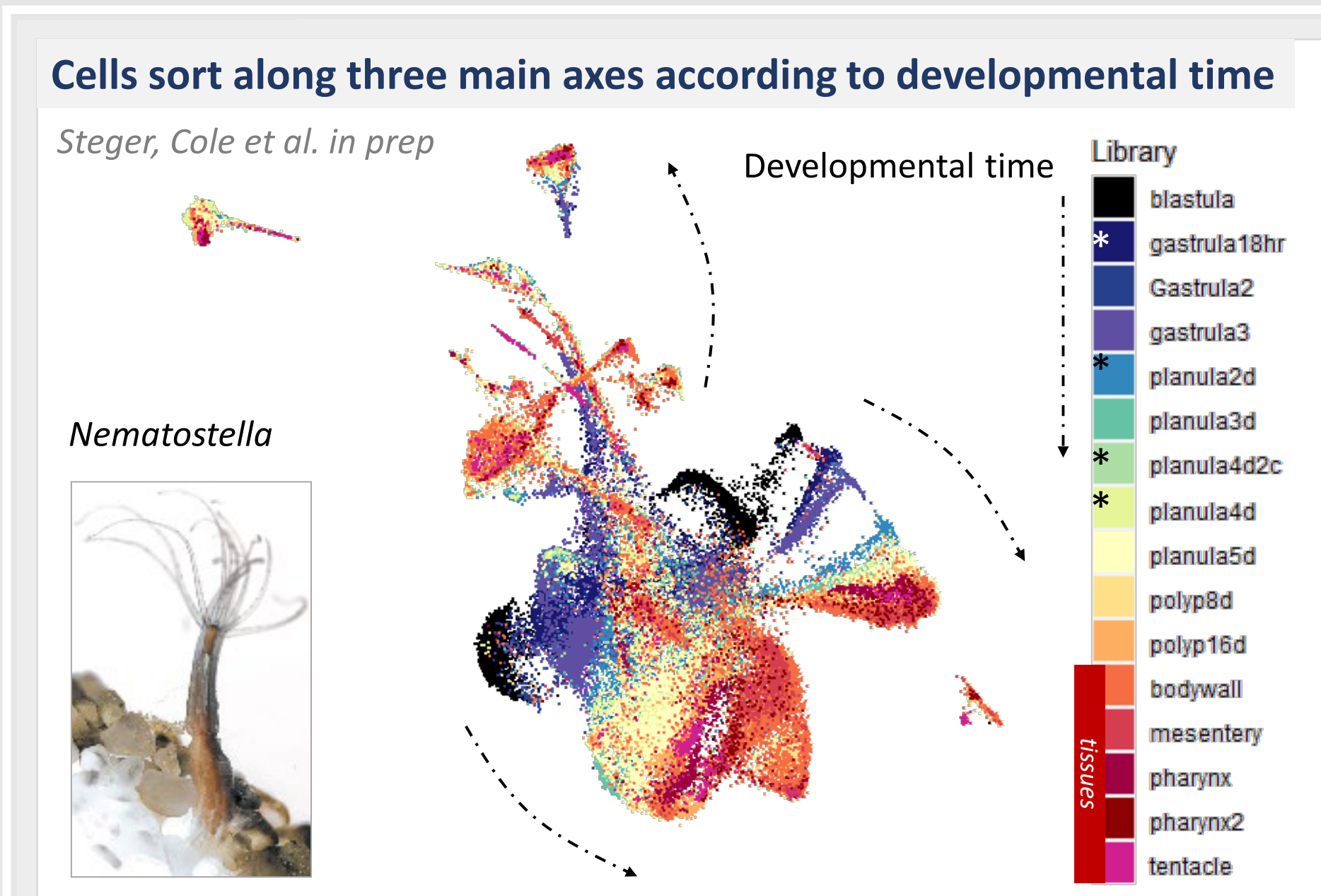
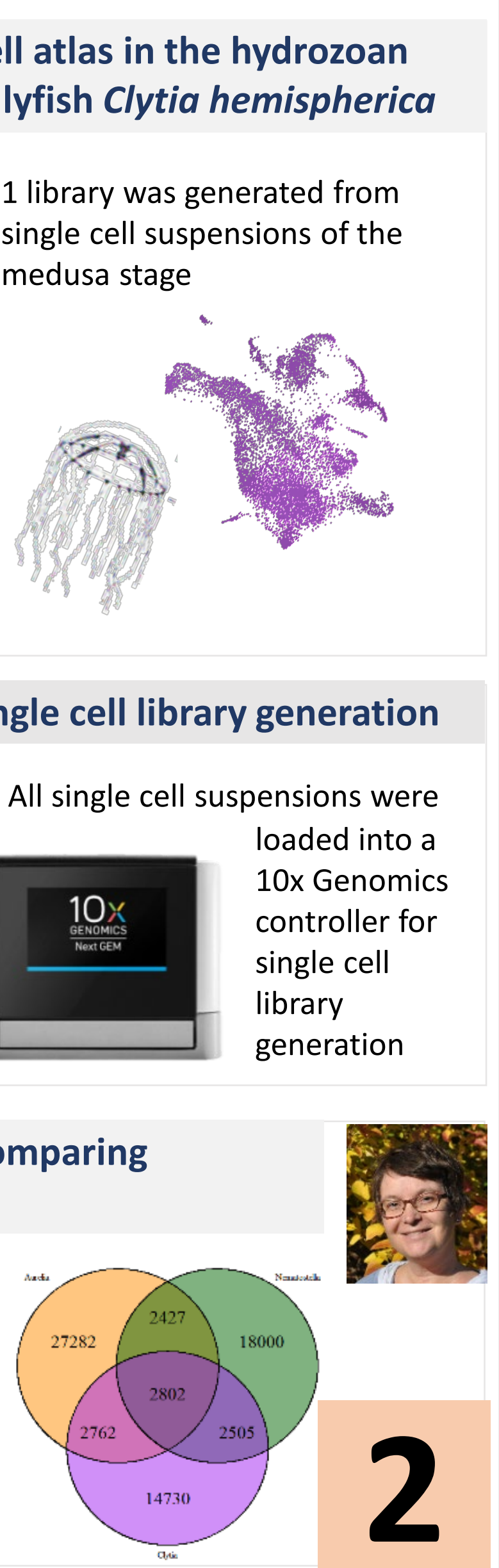
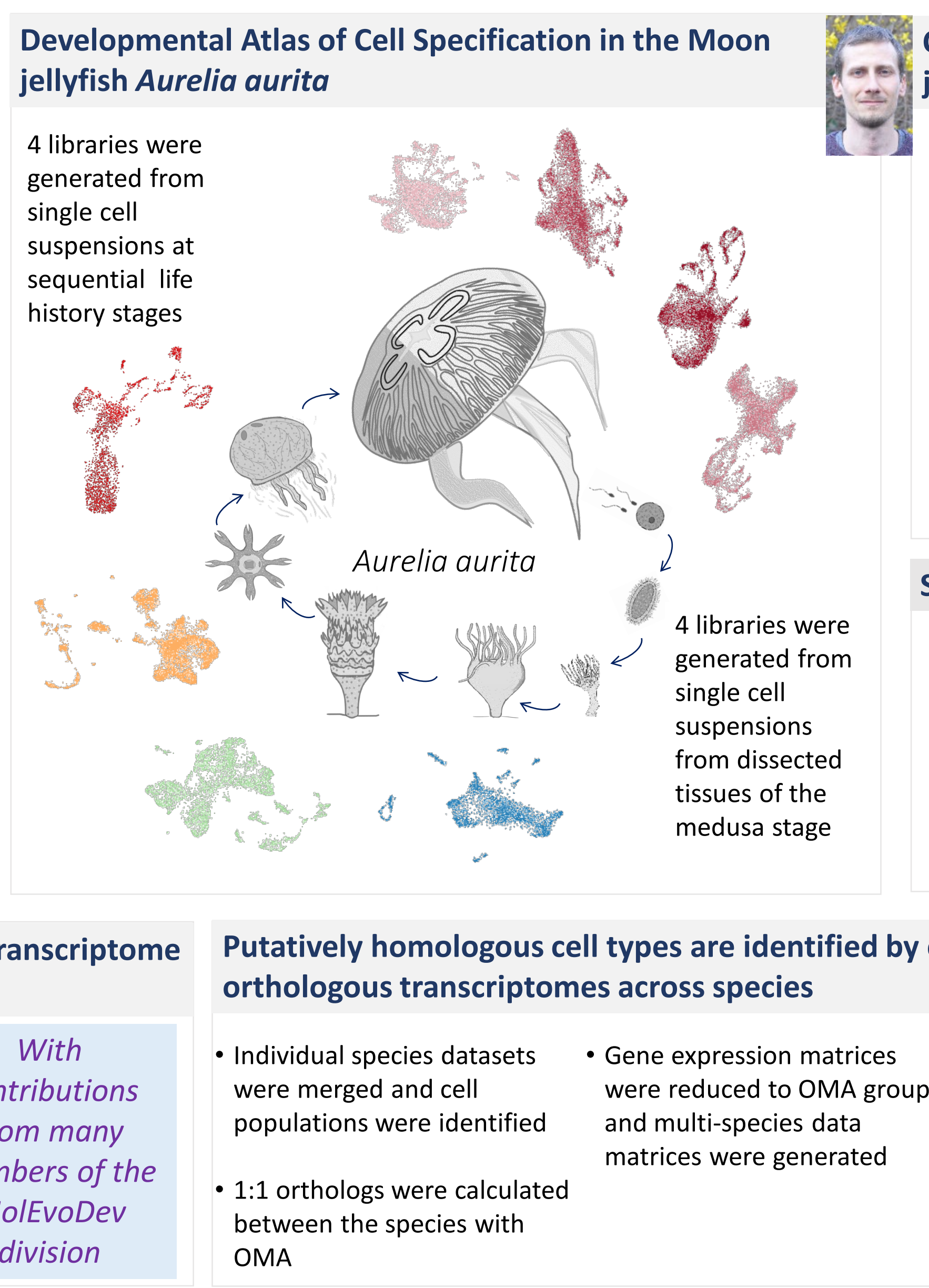
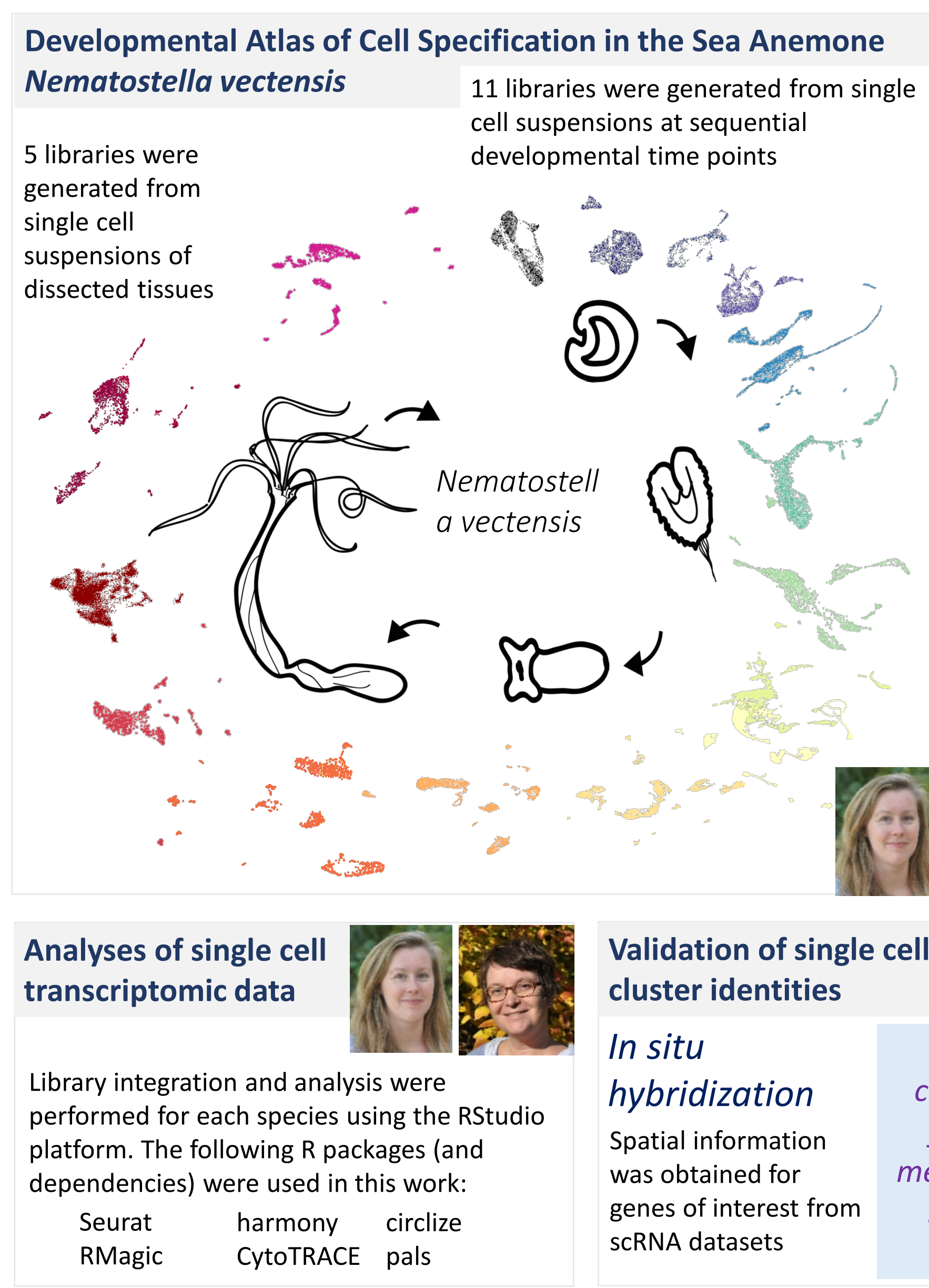
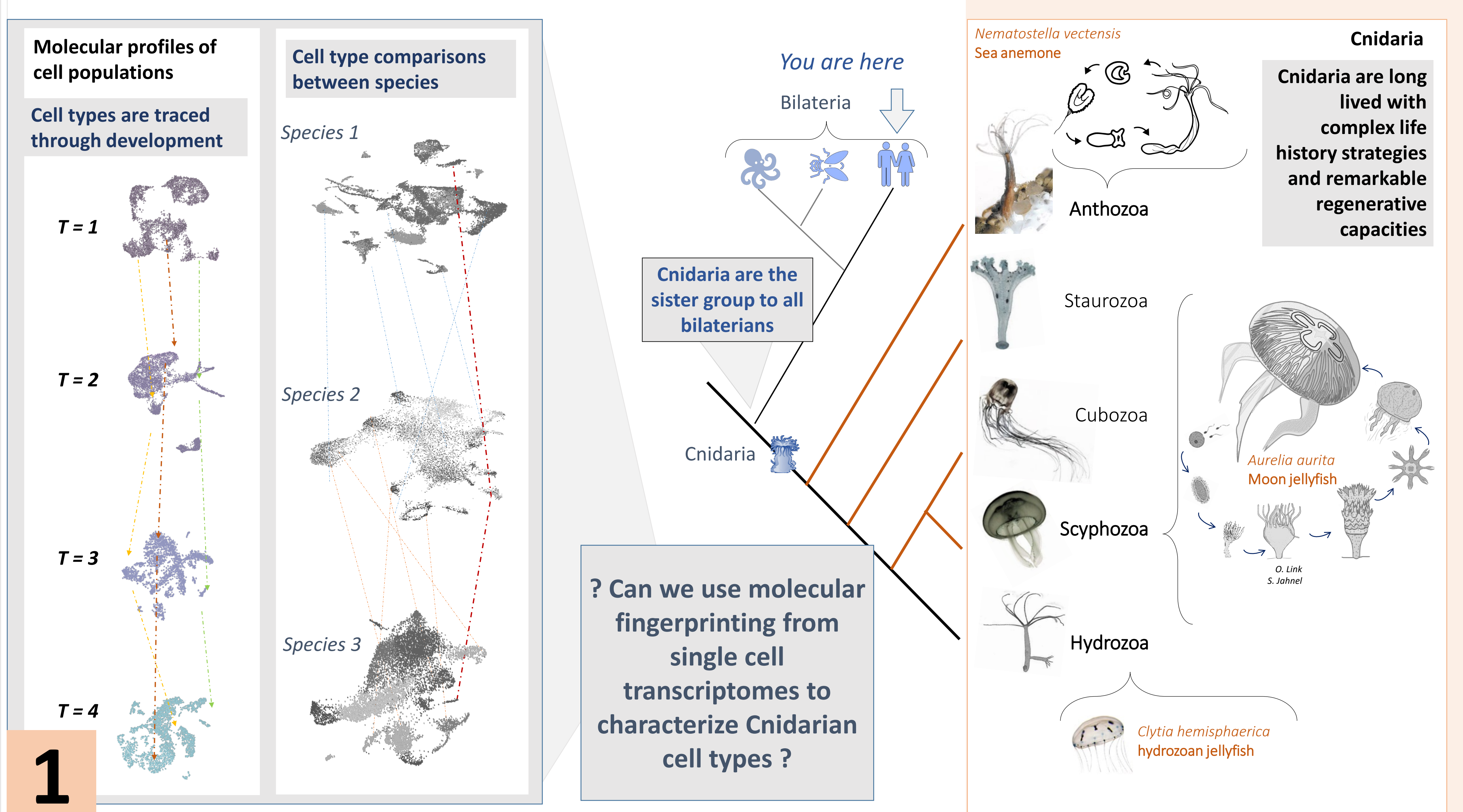
We have generated two large single cell datasets from the sea anemone *Nematostella vectensis* and the moon jelly *Aurelia aurita*

3

Single species analyses identifies cell types and allows for reconstruction of developmental pathways

4

Similar cell types can be identified by analyzing single cell transcriptomes across species based upon orthologous gene usage



3

4