

Prof Peter Teske
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Prof. Peter Teske is a marine biogeographer based at the Centre for Ecological Genomics and Wildlife Conservation at the University of Johannesburg. He uses genome-wide data to study population structure in marine animals whose ranges span the Atlantic/Indian Ocean boundary. Current research projects focus on the stock structure of sardines, past and ongoing biodiversity generation in coastal fishes and invertebrates, and conservation genetics of endangered estuarine animals.

Prof. Teske and his team use high-performance computing (HPC) to solve the most challenging jigsaw puzzles in biology: the assembly of short DNA reads from all over the genome into their original order on the chromosomes. These data are used to explore overlooked biodiversity, detect fine-scale stock structure and explore poorly studied modes of speciation. The group's research findings routinely challenge established wisdom.