

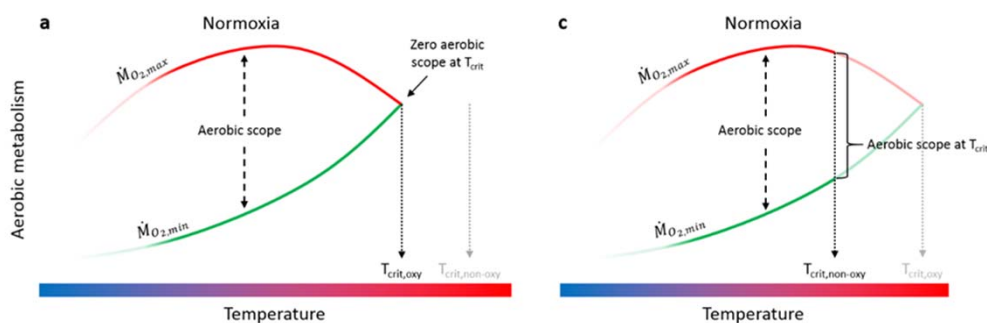
Thermal tolerance of marine fishes is not determined by insufficient oxygen supply capacity



Dr. Rasmus Ern

University of Texas at Austin, USA

Considerable efforts have been devoted to investigate whether temperature-induced limitations on the ability of the cardiorespiratory system to maximize oxygen transport are responsible for the current shifts in geographical distribution of marine animals, and the oxygen supply capacity model has been implemented in the latest IPCC report. By reducing oxygen availability via hypoxia, we show that the thermal tolerance of the eurythermal red drum (*Sciaenops ocellatus*) and the cold-water lumpfish (*Cyclopterus lumpus*) remains unaffected despite >90% reductions in oxygen supply capacity.



Thursday July 10th at 10.15
Room 127 (zoofys kaffestue), building 1131