Reading Summary: Graham & Barreto 2019 Patrick McElroy

Hypoxia can have detrimental impacts on marine organisms, one way that organisms can address changes in oxygen concentration is through their HIF pathway. This HIF pathway is very important for many organisms that have to deal with fluctuations in oxygen concentration. However, this paper suggests that there may be other ways in which organisms can become tolerant to oxygen stress. A marine crustacean that has lost the ability of the HIF pathway is still able to tolerate major changes in oxygen concentrations, providing hope for many that there can be other ways in which organisms can survive hypoxia.