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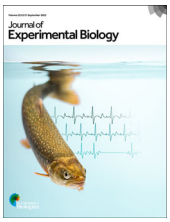

**Cover:** During their migrations, many fishes including Arctic char (*Salvelinus alpinus*) often encounter rapid increases in temperature that can impair their heart function. Gilbert et al. (jeb244055) used a mobile Arctic laboratory to determine whether wild migrating Arctic char could rapidly acclimate to warm temperatures and partially mitigate such impairments. Following just 3 days of warm acclimation, Arctic char reset their heart rate to help counteract the effects of warming and improved the heat tolerance of their hearts. Such rapid plasticity may help migratory fish partially mitigate the negative impacts of high temperatures. Photo credit: Matthew J. H. Gilbert.