

The Journal of  
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**SPECIAL ISSUE**

**BIOCHEMICAL ADAPTATION**

CONSERVATION AND INNOVATION IN THE FACE OF ENVIRONMENTAL CHANGE

GUEST EDITORS

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**Cover:** A subset of the diverse organisms used in the studies of biochemical adaptation presented in this special issue. From left to right: the Antarctic notothenioid fish *Pagothenia borchgrevinki*; the California mussel *Mytilus californianus*; the longfin inshore squid *Doryteuthis pealeii*; the porcelain crab *Petrolisthes manimaculus*; and the longjaw mudsucker *Gillichthys mirabilis*. These species inhabit a wide range of habitats, including McMurdo Sound in Antarctica (bottom left) and the central California rocky intertidal zone (bottom right), in which they maintain common biochemical abilities. The 3D structure in the middle is isocitrate dehydrogenase. Photo credits: Adam Paganini, George Somero, Brent Lockwood, Roger Halon, Stephen Sharnoff and Tzong-Hong Yang.

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