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Cover: The April through June 2010 Highlighted Topics series examines Central CO<sub>2</sub> Chemoreception in Cardiorespiratory Control in a series of review articles written by a panel of international experts. This series was conceived and edited by Guest Editor Eugene Nattie and Coordinating Associate Editor Jay Dean. We acknowledge Steve Graepel, illustrator of the cover design. This illustration is copyrighted by Steve Graepel and reproduced with permission.