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*Cover picture:* Cartoon of a cyclic nucleotide-gated channel subunit illustrating three state-dependent interactions in the channel: one with the cyclic nucleotide, one with Ni<sup>2+</sup>, and one between the amino- and carboxyl-terminal domains. See related article by Sunderman, E.R., and W.N. Zagotta, in this issue, pp. 621–640.