

Cover image: Pictured are heterocysts—specialized cells for nitrogen fixation in the photosynthetic cyanobacteria *Anabaena*—expressing a green fluorescent protein under the control of the promoter for a master regulatory protein called HetR, which regulates the heterocysts' differentiation. Jan Mitschke et al. used a technique known as differential RNA sequence analysis to identify genes whose expression is controlled by HetR. From more than 10,000 sites in the cyanobacterial genome where gene expression begins, the authors identified greater than 200 such sites that were under the control of HetR. See the article by Mitschke et al. on pages 20130–20135. Image courtesy of Alicia M. Muro-Pastor.

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