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ON THE COVER Elizabeth Blackburn, PhD, of the University of California, San Francisco, examines a chromosome (blue) and its telomeres (red). Dr. Blackburn discovered the ribonucleoprotein enzyme, telomerase that keeps the ends of chromosomes intact. As the “leading lady of telomerase biology,” she shares her views on science, women and politics, in the Interview beginning on page 835. ©Reproduced with permission. Photographer, Micheline Pelletier. Photo taken on the occasion of Dr. Blackburn receiving the 2008 L’OREAL-UNESCO Award for Women in Science as the laureate for North America.

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