Atomic force micrograph of a living cell, showing filamentous actin and other internal cellular structures. The ability of the atomic force microscope to "see" inside living cells, coupled with its potential for very high resolution imaging, may make this and related instruments powerful tools for molecular cell biology. See page 1944 and the special section on instrumentation beginning on page 1885. [Micrograph: E. Henderson]

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Spectroscopic subtleties: for other advances in instrumentation, see pages 1885 to 1917

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