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ON THE COVER *Watson & Crick with DNA model.* Many individuals would argue that the “molecular” era began in 1953 when Watson and Crick published their famous paper in *Nature*. However, it was another 30 years before the words “molecular” and “diagnostics” appeared together in the literature. Molecular diagnostics, which has been empowered by continual advancements in technology, now provides most laboratory tests in infectious disease and genetics, and an increasing number in oncology. It has been 6 years since molecular diagnostics was first highlighted in a Special Issue of *Clinical Chemistry*. Because molecular diagnostics remains “a revolution in progress,” we have devoted a second Special Issue to this rapidly changing field. Begin your journey with the thoughtful preamble written by Chiu, Lo, and Wittwer. (See page 1.) © A. Barrington Brown/Science Source. Reproduced with permission.



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