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Nota di contenuto	Frontmatter -- Contents -- Prologue -- 1. The Goldilocks Principle -- 2. Ruled by Glands -- 3. A Country Doctor's Remarkable Discovery -- 4. Finding a Needle in a Haystack -- 5. Adrenaline Zips from Bench to Bedside -- 6. Mind the Gap: Chemical Transmission from Sympathetic Nerves to Organs -- 7. How Adrenaline Stimulates Cells -- 8. Lock and Key: Receptors for Adrenaline -- 9. New Drugs from Old Molecules -- 10. Adrenaline Junkies -- Appendix: Adrenaline's Nobel Connections: An Extended Cast of Characters -- Notes -- Glossary -- Further Reading -- Acknowledgments -- Credits -- Index
Sommario/riassunto	Inducing highs of excitement, anger, and terror, adrenaline fuels the extremes of human experience. A rush empowers superhuman feats in emergencies. Risk-taking junkies seek to replicate this feeling in dangerous recreations. And a surge may literally scare us to death. Adrenaline brings us up to speed on the fascinating molecule that drives some of our most potent experiences. Adrenaline was discovered in 1894 and quickly made its way out of the lab into clinics around the world. In this engrossing account, Brian Hoffman examines adrenaline in all its capacities, from a vital regulator of physiological

functions to the subject of Nobel Prize-winning breakthroughs. Because its biochemical pathways are prototypical, adrenaline has had widespread application in hormone research leading to the development of powerful new drugs. Hoffman introduces the scientists to whom we owe our understanding, tracing the paths of their discoveries and aspirations and allowing us to appreciate the crucial role adrenaline has played in pushing modern medicine forward. Hoffman also investigates the vivid, at times lurid, place adrenaline occupies in the popular imagination, where accounts of its life-giving and lethal properties often leave the realm of fact. Famous as the catalyst of the "fight or flight" response, adrenaline has also received forensic attention as a perfect poison, untraceable in the bloodstream—and rumors persist of its power to revive the dead. True to the spirit of its topic, *Adrenaline* is a stimulating journey that reveals the truth behind adrenaline's scientific importance and enduring popular appeal.

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Autore

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