

This Machine Kills Secrets Julian Assange The Cypherpunks And Their Fight To Empower Whistleblowers

The shocking untold story of the elite secret society of hackers fighting to protect our privacy, our freedom -- even democracy itself Cult of the Dead Cow is the tale of the oldest, most respected, and most famous American hacking group of all time. Though until now it has remained mostly anonymous, its members invented the concept of hacktivism, released the top tool for testing password security, and created what was for years the best technique for controlling computers from afar, forcing giant companies to work harder to protect customers. They contributed to the development of Tor, the most important privacy tool on the net, and helped build cyberweapons that advanced US security without injuring anyone. With its origins in the earliest days of the Internet, the cDc is full of oddball characters -- activists, artists, even future politicians. Many of these hackers have become top executives and advisors walking the corridors of power in Washington and Silicon Valley. The most famous is former Texas Congressman and current presidential candidate Beto O'Rourke, whose time in the cDc set him up to found a tech business, launch an alternative publication in El Paso, and make long-shot bets on unconventional campaigns. Today, the group and its followers are battling electoral misinformation, making personal data safer, and battling to keep technology a force for good instead of for surveillance and oppression. Cult of the Dead Cow shows how governments, corporations, and criminals came to hold immense power over individuals and how we can fight back against them.

Created by a 15-year-old wunderkind in 2003, it is the creative force behind "the Web's most infectious memes and catchphrases" (Wired). Today it has over 12 million monthly users, with enormous social influence to match. Epic Win is the first book to tell 4chan's story. Longtime blogger and 4chan expert Cole Stryker writes with a voice that is engrossingly informative and approachable. Whether examining the 4chan- provoked Jessi Slaughter saga and how cyber-bullying is part of our new reality, or explaining how Sarah Palin's email account was leaked, Epic Win for Anonymous proves 4chan's transformative cultural impact, and how it has influenced--and will continue to influence-- society at large.

Hackers as vital disruptors, inspiring a new wave of activism in which ordinary citizens take back democracy. Hackers have a bad reputation, as shady deployers of bots and destroyers of infrastructure. In Coding Democracy, Maureen Webb offers another view. Hackers, she argues, can be vital disruptors. Hacking is becoming a practice, an ethos, and a metaphor for a new wave of activism in which ordinary citizens are inventing new forms of distributed, decentralized democracy for a digital era. Confronted with concentrations of power, mass surveillance, and authoritarianism enabled by new technology, the hacking movement is trying to "build out" democracy into cyberspace. Webb travels to Berlin, where she visits the Chaos Communication Camp, a flagship event in the hacker world; to Silicon Valley, where she reports on the Apple-FBI case, the significance of Russian troll farms, and the hacking of tractor software by desperate farmers; to Barcelona, to meet the hacker group XNet, which has helped bring nearly 100 prominent Spanish bankers and politicians to justice for their role in the 2008 financial crisis; and to Harvard and MIT, to investigate the institutionalization of hacking. Webb describes an amazing array of hacker experiments that could dramatically change the current political economy. These ambitious hacks aim to displace such tech monoliths as Facebook and Amazon; enable worker cooperatives to kill platforms like Uber; give people control over their data; automate trust; and provide citizens a real say in governance, along with capacity to reach consensus. Coding Democracy is not just another optimistic declaration of technological utopianism; instead, it provides the tools for an urgently needed upgrade of democracy in the digital era.

New from Ian McEwan, Booker Prize winner and international bestselling author of Atonement and The Children Act Machines Like Me takes place in an alternative 1980s London. Charlie, drifting through life and dodging full-time employment, is in love with Miranda, a bright student who lives with a terrible secret. When Charlie comes into money, he buys Adam, one of the first synthetic humans and—with Miranda's help—he designs Adam's personality. The near-perfect human that emerges is beautiful, strong, and clever. It isn't long before a love triangle soon forms, and these three beings confront a profound moral dilemma. In his subversive new novel, Ian McEwan asks whether a machine can understand the human heart—or whether we are the ones who lack understanding.

The beloved debut novel about an affluent Indian family forever changed by one fateful day in 1969, from the author of The Ministry of Utmost Happiness NEW YORK TIMES BESTSELLER • MAN BOOKER PRIZE WINNER Compared favorably to the works of Faulkner and Dickens, Arundhati Roy's modern classic is equal parts powerful family saga, forbidden love story, and piercing political drama. The seven-year-old twins Estha and Rahel see their world shaken irrevocably by the arrival of their beautiful young cousin, Sophie. It is an event that will lead to an illicit liaison and tragedies accidental and intentional, exposing "big things [that] lurk unsaid" in a country drifting dangerously toward unrest. Lush, lyrical, and unnerving, The God of Small Things is an award-winning landmark that started for its author an esteemed career of fiction and political commentary that continues unabated.

Tough as nails Alexandra Trevalyn does what most people can't: She kills werewolves. Once part of an elite group of hunters, she's going rogue these days, though no less determined to rid the world of bloodthirsty beasts...once and for all. That's why Alex had no choice but to kill Julian Barlow's wife—and will have to pay the price. Julian's brand of vengeance is downright devious, and now he's turned Alex into a member of his pack. It's only a matter of time before she falls under his spell. With the wild freedom of the wolf in her veins, Alex can't deny that Julian wakes her most primal passions...and draws her that much closer to the moon's call, where evil lies in wait.

An NPR Best Book of the Year Included in The Washington Post's Notable Nonfiction of the Year An Independent and New Statesman Book of the Year Beyond the familiar online world that most of us inhabit—a world of Google, Facebook, and Twitter—lies a vast and often hidden network of sites, communities, and cultures where freedom is pushed to its limits, and where people can be anyone, or do anything, they want. This is the world of Bitcoin, 4chan, and Silk Road, of radicalism, crime, and pornography. This is the Dark Net. In this important and revealing book, Jamie Bartlett takes us deep into the digital underworld and presents an extraordinary look at the internet we don't know. Beginning with the rise of the internet and the conflicts and battles that defined its early years, Bartlett reports on trolls, pornographers, drug dealers, hackers, political extremists, Bitcoin programmers, and vigilantes—and puts a human face on those who have many reasons to stay anonymous. Rich with historical research and revelatory reporting, The Dark Net is an unprecedented, eye-opening look at a world that doesn't want to be known.

The #1 New York Times Bestseller (October 2017) from the author of The Da Vinci Code. Robert Langdon, Harvard professor of symbology, arrives at the ultramodern Guggenheim Museum Bilbao to attend the unveiling of a discovery that "will change the face of science forever." The evening's host is Edmond Kirsch, a forty-year-old billionaire and futurist, and one of Langdon's first students. But the meticulously orchestrated evening suddenly erupts into chaos, and Kirsch's precious discovery teeters on the brink of being lost forever. Facing an imminent threat, Langdon is forced to flee. With him is Ambra Vidal, the elegant museum director who worked with Kirsch. They travel to Barcelona on a perilous quest to locate a cryptic password that will unlock Kirsch's secret. Navigating the dark corridors of hidden history and extreme religion, Langdon and Vidal must evade an enemy whose all-knowing power seems to emanate from Spain's Royal Palace. They uncover clues that ultimately bring them face-to-face with Kirsch's shocking discovery...and the breathtaking truth that has long eluded us.

An old man is dying. When the old man is dead they will come for him. And they will come for her, to make him hurt. John Hart has written three New York Times bestsellers and won an unprecedented two back-to-back Edgar Awards. His books have been called "masterful" (Jeffery Deaver) and "gripping" (People) with "Grisham-style intrigue and Turow-style brooding" (The

and her circle, which includes the brilliant, erratic craftsman Benedict Fludd and his apprentice Phillip Warren, a runaway from the poverty of the Potteries; Prosper Cain, the soldier who directs what will become the Victoria and Albert Museum; Olive's brother-in-law Basil Wellwood, an officer of the Bank of England; and many others from every layer of society. A.S. Byatt traces their lives in intimate detail and moves between generations, following the children who must choose whether to follow the roles expected of them or stand up to their parents' "porcelain socialism." Olive's daughter Dorothy wishes to become a doctor, while her other daughter, Hedda, wants to fight for votes for women. Her son Tom, sent to an upper-class school, wants nothing more than to spend time in the woods, tracking birds and foxes. Her nephew Charles becomes embroiled with German-influenced revolutionaries. Their portraits connect the political issues at the heart of nascent feminism and socialism with grave personal dilemmas, interlacing until *The Children's Book* becomes a perfect depiction of an entire world. Olive is a fairy tale writer in the era of Peter Pan and Kenneth Grahame's *The Wind In the Willows*, not long after Alice's *Adventures in Wonderland*. At a time when children in England suffered deprivation by the millions, the concept of childhood was being refined and elaborated in ways that still influence us today. For each of her children, Olive writes a special, private book, bound in a different colour and placed on a shelf; when these same children are ferried off into the unremitting destruction of the Great War, the reader is left to wonder who the real children in this novel are. *The Children's Book* is an astonishing novel. It is an historical feat that brings to life an era that helped shape our own as well as a gripping, personal novel about parents and children, life's most painful struggles and its richest pleasures. No other writer could have imagined it or created it.

You're already a great coder, but awesome coding chops aren't always enough to get you through your toughest projects. You need these 50+ nuggets of wisdom. Veteran programmers: reinvigorate your passion for developing web applications. New programmers: here's the guidance you need to get started. With this book, you'll think about your job in new and enlightened ways. *The Developer's Code* isn't about the code you write, it's about the code you live by. There are no trite superlatives here. Packed with lessons learned from more than a decade of software development experience, author Ka Wai Cheung takes you through the programming profession from nearly every angle to uncover ways of sustaining a healthy connection with your work. You'll see how to stay productive even on the longest projects. You'll create a workflow that works with you, not against you. And you'll learn how to deal with clients whose goals don't align with your own. If you don't handle them just right, issues such as these can crush even the most seasoned, motivated developer. But with the right approach, you can transcend these common problems and become the professional developer you want to be. In more than 50 nuggets of wisdom, you'll learn: Why many traditional approaches to process and development roles in this industry are wrong - and how to sniff them out. Why you must always say "no" to the software pet project and open-ended timelines. How to incorporate code generation into your development process, and why its benefits go far beyond just faster code output. What to do when your client or end user disagrees with an approach you believe in. How to pay your knowledge forward to future generations of programmers through teaching and evangelism. If you're in this industry for the long run, you'll be coming back to this book again and again.

Originally published in hardcover in 2019 by Doubleday.

A team of journalists with unparalleled inside access provides the first full, in-depth account of WikiLeaks, its founder Julian Assange, and the ethical, legal, and political controversies it has both uncovered and provoked.

"Digital Vertigo provides an articulate, measured, contrarian voice against a sea of hype about social media. As an avowed technology optimist, I'm grateful for Keen who makes me stop and think before committing myself fully to the social revolution." —Larry Downes, author of *The Killer App* In *Digital Vertigo*, Andrew Keen presents today's social media revolution as the most wrenching cultural transformation since the Industrial Revolution. Fusing a fast-paced historical narrative with front-line stories from today's online networking revolution and critiques of "social" companies like Groupon, Zynga and LinkedIn, Keen argues that the social media transformation is weakening, disorienting and dividing us rather than establishing the dawn of a new egalitarian and communal age. The tragic paradox of life in the social media age, Keen says, is the incompatibility between our internet longings for community and friendship and our equally powerful desire for online individual freedom. By exposing the shallow core of social networks, Andrew Keen shows us that the more electronically connected we become, the lonelier and less powerful we seem to be.

Originally published in hardcover in 2016 by Simon & Schuster.

In their 2007 bestseller, *Wikinomics*, Don Tapscott and Anthony Williams taught the world how mass collaboration was changing the way businesses communicate, compete, and succeed in the new global marketplace. But much has changed in three years, and the principles of wikinomics are now more powerful than ever. In this new age of networked intelligence, businesses and communities are bypassing crumbling institutions. We are altering the way our financial institutions and governments operate; how we educate our children; and how the health-care, newspaper, and energy industries serve their customers. In every corner of the globe, businesses, organizations, and individuals alike are using mass collaboration to revolutionize not only the way we work, but how we live, learn, create, and care for each other. Once again backed by original research, Tapscott and Williams provide vivid new examples of organizations that are successfully embracing the principles of wikinomics.

The Internet has led to revolutions across the world but a crackdown is now in full swing. As whole societies move online, mass surveillance programs are being deployed globally. Our civilization has reached a crossroads. In one direction lies a future promoting "privacy for the weak and transparency for the powerful"; in the other is an internet that transfers power over entire populations to an unaccountable complex of spy agencies and their trans-national corporate allies. Cypherpunks are activists who advocate the mass use of strong cryptography as a way protecting our basic freedoms against this onslaught. Julian Assange, the editor-in-chief of an visionary behind Wikileaks, has been a leading voice in the cypherpunk movement since the 1990s. Now, in a timely and important new book, Assange brings together a group of rebel thinkers and activists from the front line of the battle for cyberspace to discuss whether the internet will emancipate or enslave all of us.--

Although surveillance hit the headlines with revelations by Edward Snowden that the National Security Agency had been tracking phone calls worldwide, surveillance of citizens by their governments actually has been conducted for centuries. Only now, with the advent of modern technologies, it has exponentially evolved so that today you can barely step out your door without being watched or recorded in some way. In addition to the political and security surveillance unveiled by the Snowden revelations, think about corporate surveillance: each swipe of your ID card to enter your office is recorded, not to mention your Internet activity. Or economic surveillance: what you buy online or with a credit card is recorded and your trip to the supermarket is videotaped. Drive through a tollbooth, and your license plate is recorded. Simply walk down a street and your image is recorded again and again and again. Where does this begin and end? In all levels of social structure, from the personal to the political to the economic to the judicial, *The SAGE Encyclopedia of Surveillance, Security, and Privacy* uncovers and explains how surveillance has come to be an integral part of how our contemporary society operates worldwide and how it impacts our security and privacy Key features include: Approximately 450 signed entries from contributors around the globe Further readings and cross-references conclude each article to guide

students further as they explore a topic A Reader's Guide organizes entries by broad thematic areas

Bill Gates recently told Wired that if he were a teenager today, he would be hacking biology. "If you want to change the world in some big way," he says, "that's where you should start—biological molecules." The most disruptive force on the planet resides in DNA. Biotech companies and academic researchers are just beginning to unlock the potential of piecing together life from scratch. Champions of synthetic biology believe that turning genetic code into Lego-like blocks to build never-before-seen organisms could solve the thorniest challenges in medicine, energy, and environmental protection. But as the hackers who cracked open the potential of the personal computer and the Internet proved, the most revolutionary discoveries often emerge from out-of-the-way places, forged by brilliant outsiders with few resources besides boundless energy and great ideas. In *Biopunk*, Marcus Wohlsen chronicles a growing community of DIY scientists working outside the walls of corporations and universities who are committed to democratizing DNA the way the Internet did information. The "biohacking" movement, now in its early, heady days, aims to unleash an outbreak of genetically modified innovation by making the tools and techniques of biotechnology accessible to everyone. Borrowing their idealism from the worlds of open-source software, artisanal food, Internet startups, and the Peace Corps, biopunks are devoted advocates for open-sourcing the basic code of life. They believe in the power of individuals with access to DNA to solve the world's biggest problems. You'll meet a new breed of hackers who aren't afraid to get their hands wet, from entrepreneurs who aim to bring DNA-based medical tools to the poorest of the poor to a curious tinkerer who believes a tub of yogurt and a jellyfish gene could protect the world's food supply. These biohackers include: -A duo who started a cancer drug company in their kitchen -A team who built an open-source DNA copy machine -A woman who developed a genetic test in her apartment for a deadly disease that had stricken her family Along with the potential of citizen science to bring about disruptive change, Wohlsen explores the risks of DIY bioterrorism, the possibility of genetic engineering experiments gone awry, and whether the ability to design life from scratch on a laptop might come sooner than we think.

In 'The Revolution will be Digitised,' Heather Brooke reports back from the front lines of the Information War, a shadow world of computer hackers, cypherpunks, encryption experts, whistleblowers and pro-democracy campaigners. She takes us to San Francisco and Boston, where pioneering geeks launch cyber warfare at night

Dissent, Discourse, and Democracy theorizes abstraction analysis as a method of critical rhetorical inquiry and employs it in the evaluation of government whistleblower discourses. Guitars reveals how whistleblowing, a tool of dissent within democracy, has been systematically constrained within the public forum and weaponized for statist interests.

This Machine Kills Secrets Julian Assange, the Cypherpunks, and Their Fight to Empower Whistleblowers Penguin

Who Are The Cypherpunks? This is the unauthorized telling of the revolutionary cryptography story behind the motion picture *The Fifth Estate* in theatres this October, and *We Steal Secrets: The Story of WikiLeaks*, a documentary out now. WikiLeaks brought to light a new form of whistleblowing, using powerful cryptographic code to hide leakers' identities while they spill the private data of government agencies and corporations. But that technology has been evolving for decades in the hands of hackers and radical activists, from the libertarian enclaves of Northern California to Berlin to the Balkans. And the secret-killing machine continues to evolve beyond WikiLeaks, as a movement of hacktivists aims to obliterate the world's institutional secrecy. Forbes journalist Andy Greenberg has traced its shadowy history from the cryptography revolution of the 1970s to WikiLeaks founding hacker Julian Assange, Anonymous, and beyond. This is the story of the code and the characters—idealists, anarchists, extremists—who are transforming the next generation's notion of what activism can be. With unrivaled access to such major players as Julian Assange, Daniel Domscheit-Berg, and WikiLeaks' shadowy engineer known as the Architect, never before interviewed, Greenberg unveils the world of politically-motivated hackers—who they are and how they operate.

"Darkly addictive and hauntingly beautiful, Peter and Sara's story will stay with you long after you read the final words." —Julia Sykes, USA Today bestselling author *He Came to Me in the Night*, a cruel, darkly handsome stranger from the most dangerous corners of Russia. He tormented me and destroyed me, ripping apart my world in his quest for vengeance. Now he's back, but he's no longer after my secrets. The man who stars in my nightmares wants me.

Top cybersecurity journalist Kim Zetter tells the story behind the virus that sabotaged Iran's nuclear efforts and shows how its existence has ushered in a new age of warfare—one in which a digital attack can have the same destructive capability as a megaton bomb. In January 2010, inspectors with the International Atomic Energy Agency noticed that centrifuges at an Iranian uranium enrichment plant were failing at an unprecedented rate. The cause was a complete mystery—apparently as much to the technicians replacing the centrifuges as to the inspectors observing them. Then, five months later, a seemingly unrelated event occurred: A computer security firm in Belarus was called in to troubleshoot some computers in Iran that were crashing and rebooting repeatedly. At first, the firm's programmers believed the malicious code on the machines was a simple, routine piece of malware. But as they and other experts around the world investigated, they discovered a mysterious virus of unparalleled complexity. They had, they soon learned, stumbled upon the world's first digital weapon. For Stuxnet, as it came to be known, was unlike any other virus or worm built before: Rather than simply hijacking targeted computers or stealing information from them, it escaped the digital realm to wreak actual, physical destruction on a nuclear facility. In these pages, Wired journalist Kim Zetter draws on her extensive sources and expertise to tell the story behind Stuxnet's planning, execution, and discovery, covering its genesis in the corridors of Bush's White House and its unleashing on systems in Iran—and telling the spectacular, unlikely tale of the security geeks who managed to unravel a sabotage campaign years in the making. But *Countdown to Zero Day* ranges far beyond Stuxnet itself. Here, Zetter shows us how digital warfare developed in the US. She takes us inside today's flourishing zero-day "grey markets," in which intelligence agencies and militaries pay huge sums for the malicious code they need to carry out infiltrations and attacks. She reveals just how vulnerable many of our own critical systems are to Stuxnet-like strikes, from nation-state adversaries and anonymous hackers alike—and shows us just what might happen should our infrastructure be targeted by such an attack. Propelled by Zetter's unique knowledge and access, and filled with eye-opening explanations of the technologies involved, *Countdown to Zero Day* is a comprehensive and prescient portrait of a world at the edge of a new kind of war.

A Hudson Booksellers Staff Pick for the Best Books of 2013 One of Publishers Weekly's Top Ten Spring Science Books A Bookshop Santa Cruz Staff Pick *Dinosaurs*, with their awe-inspiring size, terrifying claws and teeth, and otherworldly abilities, occupy a sacred place in our childhoods. They loom over museum halls, thunder through movies, and are a fundamental part of our collective imagination. In *My Beloved Brontosaurus*, the dinosaur fanatic Brian Switek enriches the childlike sense of wonder these amazing creatures instill in us. Investigating the latest discoveries in paleontology, he breathes new life into old bones. Switek reunites us with these mysterious creatures as he visits desolate excavation sites and hallowed museum vaults, exploring everything from the sex life of *Apatosaurus* and *T. rex*'s feather-laden body to just why dinosaurs vanished. (And of course, on his journey, he celebrates the book's titular hero, "Brontosaurus"—who suffered a second extinction when we learned he never existed at all—as a symbol of scientific progress.) With infectious enthusiasm, Switek questions what we've long held to be true about these beasts, weaving in stories from his obsession with dinosaurs, which started when he was just knee-high to a *Stegosaurus*. Endearing, surprising, and essential to our understanding of our own evolution and our place on Earth, *My Beloved Brontosaurus* is a book that dinosaur fans and anyone interested in scientific progress will cherish for years to come.

This definitive reference resource on cyber warfare covers all aspects of this headline topic, providing historical context of cyber warfare and an examination its rapid development into a potent technological

weapon of the 21st century. • Provides comprehensive coverage of the major individuals, organizations, impacts, and issues related to cyber warfare that enables readers to better understanding of the impact of cyber warfare on modern conflicts • Includes a detailed chronology that documents the evolution and use of cyber warfare over the past few decades • Supplies further readings and a lengthy bibliography that offer a wealth of options to students conducting extensive research on the subject

An urgent warning from two bestselling security experts--and a gripping inside look at how governments, firms, and ordinary citizens can confront and contain the tyrants, hackers, and criminals bent on turning the digital realm into a war zone. "In the battle raging between offense and defense in cyberspace, Clarke and Knake have some important ideas about how we can avoid cyberwar for our country, prevent cybercrime against our companies, and in doing so, reduce resentment, division, and instability at home and abroad."--Bill Clinton There is much to fear in the dark corners of cyberspace: we have entered an age in which online threats carry real-world consequences. But we do not have to let autocrats and criminals run amok in the digital realm. We now know a great deal about how to make cyberspace far less dangerous--and about how to defend our security, economy, democracy, and privacy from cyber attack. Our guides to the fifth domain -- the Pentagon's term for cyberspace -- are two of America's top cybersecurity experts, seasoned practitioners who are as familiar with the White House Situation Room as they are with Fortune 500 boardrooms. Richard A. Clarke and Robert K. Knake offer a vivid, engrossing tour of the often unfamiliar terrain of cyberspace, introducing us to the scientists, executives, and public servants who have learned through hard experience how government agencies and private firms can fend off cyber threats. With a focus on solutions over scaremongering, and backed by decades of high-level experience in the White House and the private sector, *The Fifth Domain* delivers a riveting, agenda-setting insider look at what works in the struggle to avoid cyberwar.

Two fugitives, a princess-in-exile and her accused killer, cross the galaxy as they fight to reclaim her family dynasty and save the universe from a deadly threat.

Tara Toshi is a woman on the edge. Code name "T-rex," Tara is one of the elite agents of the IAD Agency, modern-day warriors tasked with taking down terrorists and keeping the world safe. She doesn't believe that happily-ever-after exists for her, until her world collides with corporate tycoon Julian King. Julian King is the owner of a multimillion-dollar hotel empire. He rules his kingdom with an iron grip, especially the Palace Hotel and Casino in Las Vegas which he personally manages. He's used to playing the odds and knows the house always wins, but when he meets Tara, all bets are off. When a terrorist plot threatens his city, Julian realizes that everything he cares about is in jeopardy, including his heart. With so much at stake, can Tara and Julian risk going all in, or will they lose their one shot at finding happiness together? NOTE: This book was previously published but has been revised and extended.

What Cablegate tells us about the reach and ambitions of US Empire. Published in collaboration with WikiLeaks. WikiLeaks came to prominence in 2010 with the release of 251,287 top-secret State Department cables, which revealed to the world what the US government really thinks about national leaders, friendly dictators, and supposed allies. It brought to the surface the dark truths of crimes committed in our name: human rights violations, covert operations, and cover-ups. The WikiLeaks Files exposes the machinations of the United States as it imposes a new form of imperialism on the world, one founded on tactics from torture to military action, to trade deals and "soft power," in the perpetual pursuit of expanding influence. The book also includes an introduction by Julian Assange examining the ongoing debates about freedom of information, international surveillance, and justice. An introduction by Julian Assange—writing on the subject for the first time—exposes the ongoing debates about freedom of information, international surveillance, and justice. With contributions by Dan Beeton, Phyllis Bennis, Michael Busch, Peter Certo, Conn Hallinan, Sarah Harrison, Richard Heydarian, Dahr Jamail, Jake Johnston, Alexander Main, Robert Naiman, Francis Njubi Nesbitt, Linda Pearson, Gareth Porter, Tim Shorrock, Russ Wellen, and Stephen Zunes.

Essential Cell Biology provides a readily accessible introduction to the central concepts of cell biology, and its lively, clear writing and exceptional illustrations make it the ideal textbook for a first course in both cell and molecular biology. The text and figures are easy-to-follow, accurate, clear, and engaging for the introductory student. Molecular detail has been kept to a minimum in order to provide the reader with a cohesive conceptual framework for the basic science that underlies our current understanding of all of biology, including the biomedical sciences. The Fourth Edition has been thoroughly revised, and covers the latest developments in this fast-moving field, yet retains the academic level and length of the previous edition. The book is accompanied by a rich package of online student and instructor resources, including over 130 narrated movies, an expanded and updated Question Bank. Essential Cell Biology, Fourth Edition is additionally supported by the Garland Science Learning System. This homework platform is designed to evaluate and improve student performance and allows instructors to select assignments on specific topics and review the performance of the entire class, as well as individual students, via the instructor dashboard. Students receive immediate feedback on their mastery of the topics, and will be better prepared for lectures and classroom discussions. The user-friendly system provides a convenient way to engage students while assessing progress. Performance data can be used to tailor classroom discussion, activities, and lectures to address students' needs precisely and efficiently. For more information and sample material, visit <http://garlandscience.rocketmix.com/>.

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