Origin

Based on an American Chemical Society Symposium organized by Professors Glenn Seaborg and Oliver Manuel, this volume provides a comprehensive record of different views on this important subject at the end of the 20th century. They have assembled a blend of highly respected experimentalists and theorists from astronomy, geology, meteoritics, planetology and nuclear chemistry and physics to discuss the origin of elements in the solar system. The intent was to include all points of view and let history judge their validity.

#1 New York Times, USA Today, and internationally bestselling author Jennifer L. Armentrout returns to the world of the Lux with The Burning Shadow, the steamy, shocking second installment of the Origin series that will leave readers reeling. When Evelyn Dasher crossed paths with Luc, she was thrown headfirst into the world of the Lux—only to discover that she was already far more involved in their world than she ever suspected. Because the Luxen aren't the only ones with a hidden past. There's a gap in Evie's memory, lost months of her life and a lingering sense that something happened, something she can't remember and nobody is willing to tell her. She needs to find out the truth about who she is—and who she was. But every answer she finds only brings up more questions. Her search for the truth brings her ever closer to Luc, the Origin at the center of it all. He's powerful, arrogant, inhumanly beautiful, extremely dangerous...and possibly in love with her. But even as Evie falls for him, she can't help but wonder if his attraction is to her, or to the memory of a girl who no longer exists. And all the while, a new threat looms: reports of a flu-like, fatal virus that the government insists is being spread by Luxen. A horrifying illness that changes whoever it touches, spreading panic across a country already at its breaking point. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

Pia has always known her destiny. She is meant to start a new race, a line of descendants who will bring an end to death. She has been bred for no other purpose, genetically engineered to be immortal and raised by a team of scientists in a secret compound hidden deep in the Amazon rainforest. Now those scientists have begun to challenge her, with the goal of training her to carry on their dangerous work. For as long as she can remember, Pia's greatest desire has been to fulfill their expectations. But then one night she finds a hole in the impenetrable fence that surrounds her sterile home. Free in the jungle for the first time in her life, Pia meets Eio, a boy from a nearby village. Unable to resist, she continues sneaking out to see him. As they fall in love, they begin to piece together the truth about Pia's origin—a truth with nothing less than deadly consequences that will change their lives forever. Origin is a beautifully told, electric new way to look at an age-old desire: to live forever. But is eternal life worth living if you can't spend it with the one you love?

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.

This publication contains the proceedings of a seminar held in Toulouse, France, on 10th, 11th and 12th June 1980, under the auspices of the Commission of the European Communities, Directorate General for Agriculture, Division for the Coordination of Agricultural Research, as part of a programme of research on beef production. The seminar was intended to bring together available experience on the utilisation of hereditary muscular hypertrophy for meat production in the member states of the European Communities. Although the phenomenon of double muscling has been exploited in various countries, particularly France, Italy and Belgium, different breeds are used and different methods of exploitation employed. An attempt was therefore made to bring together the collective experience of participants. Contributions ranged from those on the inheritance of muscular hypertrophy to alternative production systems and from fundamental studies of muscle growth to practical ways of selling the additional musrile found in animals with muscular hypertrophy. The collection of assembled papers and discussions thus represents one of the most extensive reviews of the subject that has been attempted.

A New York Times-bestselling author explains how the physical world shaped the history of our species When we talk about human history, we often focus on great leaders, population forces, and decisive wars. But how has the earth itself determined our destiny? Our planet wobbles, driving changes in climate that forced the transition from nomadism to farming. Mountainous terrain led to the development of democracy in Greece. Atmospheric circulation patterns later on shaped the progression of global exploration, colonization, and trade. Even today, voting behavior in the south-east United States ultimately follows the underlying pattern of 75 million-year-old sediments from an ancient sea. Everywhere is the deep imprint of the planetary on the human. From the cultivation of the first crops to the founding of modern states, Origins reveals the breathtaking impact of the earth beneath our feet on the shape of our human civilizations.

The central concern of this book is us human beings. The authors' basic question is: 'How is it that we can live in mutual care, have ethical concerns, and at the same time deny all that through the rational justification of aggression?' The authors answer this basic question indirectly by providing a look into the fundaments of our biological constitution, concentrating on what they term emotioning, that is the flow of emotions in daily life that guides the flow of the systemic conservation of a manner of living. Maturana and Verden-Zöller claim that the fundamental emotion that gave rise to

humans as sapient languaging beings was love, and that this remains our fundament even when other emotions become socially prevalent.

How did life on earth originate? Did replication or metabolism come first in the history of life? In this book, Freeman Dyson examines these questions and discusses the two main theories that try to explain how naturally occurring chemicals could organize themselves into living creatures. The majority view is that life began with replicating molecules, the precursors of modern genes. The minority belief is that random populations of molecules evolved metabolic activities before exact replication existed. Dyson analyzes both of these theories with reference to recent important discoveries by geologists and chemists. His main aim is to stimulate experiments that could help to decide which theory is correct. This second edition covers the enormous advances that have been made in biology and geology in the past and the impact they have had on our ideas about how life began. It is a clearly-written, fascinating book that will appeal to anyone interested in the origins of life.

This New York Times bestseller "elegantly weaves evidence and insights . . . into a single, accessible historical narrative" (Bill Gates) and presents a captivating history of the universe -- from the Big Bang to dinosaurs to mass globalization and beyond. Most historians study the smallest slivers of time, emphasizing specific dates, individuals, and documents. But what would it look like to study the whole of history, from the big bang through the present day -- and even into the remote future? How would looking at the full span of time change the way we perceive the universe, the earth, and our very existence? These were the questions David Christian set out to answer when he created the field of "Big History," the most exciting new approach to understanding where we have been, where we are, and where we are going. In Origin Story, Christian takes readers on a wild ride through the entire 13.8 billion years we've come to know as "history." By focusing on defining events (thresholds), major trends, and profound questions about our origins, Christian exposes the hidden threads that tie everything together -- from the creation of the planet to the advent of agriculture, nuclear war, and beyond. With stunning insights into the origin of the universe, the beginning of life, the emergence of humans, and what the future might bring, Origin Story boldly reframes our place in the cosmos.

What is life? Where do we come from and how did we evolve? What is the universe and how was it formed? What is the nature of the material world? How does it work? How and why do we think? What does it mean to be human? How do we know? There are many different versions of our creation story. This book tells the version according to modern science. It is a unique account, starting at the Big Bang and travelling right up to the emergence of humans as conscious intelligent beings, 13.8 billion years later. Chapter by chapter, it sets out the current state of scientific knowledge: the origins of space and time; energy, mass, and light; galaxies, stars, and our sun; the habitable earth, and complex life itself. Drawing together the physical and biological sciences, Baggott recounts what we currently know of our history, highlighting the questions science has yet to answer.

Recently, new genes and their proteins that revealed striking new insights into the early evolution of multicellular animals have been identified and characterized from members of the lowest metazoan phylum, the porifera (sponges). The unexpected result was that the sequences obtained from sponge displayed high similarity to those found in higher metazoa; in consequence, it was concluded that during the transition from protozoa to metazoa the major structural and regulatory proteins evolved only once. The data gathered are now powerful arguments to establish monophyly of metazoa; in addition, new insights on the evolutionary diversification of metazoa were obtained.

There is more to the human origins, development, intelligence, and civilization than the epic debate Creationism versus Evolution, simply because there is more to the human condition than what authorities and ideologies determine you to accept today. Therefore, when you study the human origins, you have to expand your research beyond the moment when the first humans detached themselves from the firmament or previous species, since there are other significant events in Humanity’s lifespan and achievement defining its timeline. You have to study everything, otherwise you risk understanding these significant events only from simplistic empirical or ideological perspectives, and so you end up learning what you already know while following the crowd throughout unending debates. What you want to learn is the truth, since you are already familiar with all theories, beliefs, and debates regarding the human origins. When you seek to understand the human origins, you seek to understand the origins of life, the nature and origins of this world we call Reality, the nature of the human higher self and intelligence, the origins and debut of human consciousness and intelligent thinking, along with all details related to the Creator of this world, to Life, and to Humankind. While it is relevant to know how all these affect you personally, how they affect your family, your genetic line, and your nation, how your family and genetic line originate, where and how it happened, under what circumstances, and with what status and privileges for you, for your family, for your nation and for the humankind, and this is exactly what we cover throughout this book, in all details and from all perspectives. This book studies the human origins, along with the origins of life, human intelligence, human species, human development, human society, human current civilization and various past civilizations of Earth, integrating humans, their origins, and their original conditions in an elaborate comprehensive model.

Book Four of the bestselling Lux series Daemon will do anything to get Katy back. After the successful but disastrous raid on Mount Weather, he's facing the impossible. Katy is gone. Taken. Everything becomes about finding her. Taking out anyone who stands in his way? Done. Burning down the whole world to save her? Gladly. Exposing his alien race to the world? With pleasure. All Katy can do is survive. Surrounded by enemies, the only way she can come out of this is to adapt. After all, there are sides of Daedalus that don't seem entirely crazy, but the group's goals are frightening and the truths they speak even more disturbing. Who are the real bad guys? Daedalus? Mankind? Or the Luxen? Together, they can face anything. But the most dangerous foe has been there all along, and when the truths are exposed and the lies come crumbling down, which side will Daemon and Katy be standing on? And will they even be together? Read the entire bestselling series! #1: Obsidian (from Katy's point of view) #2: Onyx (from Katy's point of view) #3: Opal (from Katy's point of view) #4: Origin #5: Opposition Oblivion (Books 1-3 from Daemon's point of view) CAN BE READ FIRST OR AFTER KATY'S POV! Prequel: Shadows (Dawson's story)

Where do stars come from and how do they form? These are profound questions which link the nature of our Universe to the roots of mankind. Yet, until a recent revolution in understanding, the proposed answers have been raw speculation. Now, accompanying penetrating observations, a new picture has come into prominence. This book presents the latest astounding observations and scientific ideas covering star formation, star birth and early development. It encompasses all aspects, from the dramatic stories of individual objects, to the collective influence of entire stellar systems. The very first stars to come into existence and the nurturing of planets are discussed to provide the reader with a comprehensive overview. Presenting background information with only the essential mathematics, this book will appeal to scientists wishing to expand their horizons, students seeking solid foundations, and general readers with enquiring minds. Contents:The Physics and ChemistryThe CloudsCloud Formation, Evolution and DestructionTurbulenceThe CollapseThe Magnetic MediationThe BirthThe Young StarsJets and OutflowsMassive StarsThe DistributionsCosmological Star Formation Readership: Students, instructors, researchers and general readers with an interest in astrophysics, astronomy and cosmology. Key Features:Presents in concise and readable form the story of star formation, and the revelations that have shaken the foundations of the subjectProvides the knowledge essential for an understanding of the construction of stars of all typesIncludes introductions and summaries that will make the subject accessible to a broad audienceKeywords:Stars;Stellar Evolution;The Universe;Clusters;Protostars;Galaxies;Starbursts;Magnetic Field;Complex Systems;Fluid DynamicsReviews:“This book has a readable style … it should be accessible to readers with a variety of scientific backgrounds, and to advanced undergraduates. It will be particularly useful as an introduction to the subject for first year research students in astrophysics. The book is recommended reading for anyone with an interest in the subject.”Professor David Williams University College London “Overall, this is

a good read, and as clear a picture of the field as his target readership is likely to get at the moment. I recommend it as ancillary reading in first- and second-year courses, or as an introduction for a junior-honours course."The Observatory Magazine

If Darwin were to examine the evidence today using modern science, would his conclusions be the same? Charles Darwin's On the Origin of Species, published over 150 years ago, is considered one of history's most influential books and continues to serve as the foundation of thought for evolutionary biology. Since Darwin's time, however, new fields of science have immerged that simply give us better answers to the question of origins. With a Ph.D. in cell and developmental biology from Harvard University, Dr. Nathaniel Jeanson is uniquely qualified to investigate what genetics reveal about origins. The Origins Puzzle Comes Together If the science surrounding origins were a puzzle, Darwin would have had fewer than 15% of the pieces to work with when he developed his theory of evolution. We now have a much greater percentage of the pieces because of modern scientific research. As Dr. Jeanson puts the new pieces together, a whole new picture emerges, giving us a testable, predictive model to explain the origin of species. A New Scientific Revolution Begins Darwin's theory of evolution may be one of science's "sacred cows," but genetics research is proving it wrong. Changing an entrenched narrative, even if it's wrong, is no easy task. Replacing Darwin asks you to consider the possibility that, based on genetics research, our origins are more easily understood in the context of . . . In the beginning . . . God, with the timeline found in the biblical narrative of Genesis. There is a better answer to the origins debate than what we have been led to believe. Let the revolution begin! About the Author Dr. Nathaniel Jeanson is a scientist and a scholar, trained in one of the most prestigious universities in the world. He earned his B.S. in Molecular Biology and Bioinformatics from the University of Wisconsin-Parkside and his PhD in Cell and Developmental Biology from Harvard University. As an undergraduate, he researched the molecular control of photosynthesis, and his graduate work involved investigating the molecular and physiological control of adult blood stem cells. His findings have been presented at regional and national conferences and have been published in peer-reviewed journals, such as Blood, Nature, and Cell. Since 2009, he has been actively researching the origin of species, both at the Institute for Creation Research and at Answers in Genesis.

On the Origin of Objects is the culmination of Brian Cantwell Smith's decade-long investigation into the philosophical and metaphysical foundations of computation, artificial intelligence, and cognitive science. Based on a sustained critique of the formal tradition that underlies the reigning views, he presents an argument for an embedded, participatory, "irreductionist," metaphysical alternative. Smith seeks nothing less than to revise our understanding not only of the machines we build but also of the world with which they interact. Smith's ambitious project begins as a search for a comprehensive theory of computation, able to do empirical justice to practice and conceptual justice to the computational theory of mind. A rigorous commitment to these two criteria ultimately leads him to recommend a radical overhaul of our traditional conception of metaphysics. Everything that exists -- objects, properties, life, practice -- lies Smith claims in the "middle distance," an intermediate realm of partial engagement with and partial separation from, the enveloping world. Patterns of separation and engagement are taken to underlie a single notion unifying representation and ontology: that of subjects' "registration" of the world around them. Along the way, Smith offers many fascinating ideas: the distinction between particularity and individuality, the methodological notion of an "inscription error," an argument that there are no individuals within physics, various deconstructions of the type-instance distinction, an analysis of formality as overly disconnected ("discreteness run amok"), a conception of the boundaries of objects as properties of unruly interactions between objects and subjects, an argument for the theoretical centrality of reference preservation, and a theatrical, acrobatic metaphor for the contortions involved in the preservation of reference and resultant stabilization of objects. Sidebars and diagrams throughout the book help clarify and guide Smith's highly original and compelling argument. A Bradford Book

The motor theory is about the process by which language emerged and developed and how it functions now in human speech. The concern is with both synchronic and the diachronic aspects of language, language evolving over time and differentiating over space. In English alone we have half a million words and endless syntatic complexities, as Chomsky has demonstrated. Add the multitude of other languages that exist and have existed and it is apparent that language is a massive multiply-faceted fact-in time and space. Where did all the complexity come from? Whence the power of words seen in so many diverse forms of human interaction? How does this thread of sound tie our minds together?

Everything—from the mundane (the pencil) to the catastrophic (the atom bomb)—has an origin, but often it's not what we expect. A few things you may not have known: • Gandhi was married at age thirteen! • Chinese fortune cookies are an American invention and were not eaten in China until the 1990s when they were advertised as "Genuine American Fortune Cookies." • Bayer lost the trademark for aspirin (which they had held since 1897) as part of the reparations Germany was forced to pay after World War I. • The original idea for the electric chair came from an American dentist. For aspiring mindblowers and wanna-be know-it-alls, The Book of Origins is a treasure trove of trivia and fascinating facts guaranteed to entertain and enlighten.

This unique textbook by Gerald Rau surveys the six predominant models currently used to explain the origins of creation, of life, of species and of humans. Alongside his judicious account of the debate as a whole, Rau equips students with critical tools for evaluating the individual philosophies of science in play.

#1 WORLDWIDE BESTSELLER Harvard professor of symbology Robert Langdon awakens in an Italian hospital, disoriented and with no recollection of the past thirty-six hours, including the origin of the macabre object hidden in his belongings. With a relentless female assassin trailing them through Florence, he and his resourceful doctor, Sienna Brooks, are forced to flee. Embarking on a harrowing journey, they must unravel a series of codes, which are the work of a brilliant scientist whose obsession with the end of the world is matched only by his passion for one of the most influential masterpieces ever written, Dante Alighieri's The Inferno. Dan Brown has raised the bar yet again, combining classical Italian art, history, and literature with cutting-edge science in this captivating thriller.

The phylontogenic theory proposes an original understanding of nose, sinus and midface formation and development by looking back in evolution for the first traces of the olfactory organ and then tracing its successive phyletic transformations to become part of the respiratory apparatus and finally the central point of human facial anatomy. Von Baer's, Darwin's, Haeckel's, Garstang's, Gould's and Buss' explorations of parallels between phylogeny and ontogeny help to trace the nose and midface story. The paradigm of existing parallels between ontogeny and phylogeny proves useful both in seeking to understand the holoprosencephalic spectrum of facial malformations (which represent radically different pathways of facial development after the life's tape has been started to run again) and in formulating hypotheses on chordate to vertebrate evolution. The phylontogenic theory leads to new medical hypotheses on nose and sinus diseases and opens the field of evolution and development-based medicine.

Drawing on archaeological and skeletal evidence from Sub-Saharan Africa, North Africa, Western Asia, Europe, Australasia and East Asia in turn, this revised thesis compares anatomical evidence across continents to determine the location of modern man's origins and so contribute to the great `Replacement vs. Multiregional' origins debate. The study argues that the evidence indicates two centres of origin, in Africa and Western Asia and in Australasia and East Asia but there would have been genetic interflows between the two. Modern man migrated to Europe where there was a process of `assimilation and replacement' of the local Neanderthal populations. This is largely a technical study, combining morphometric study of hominids from numerous sites with the presentation and assessment of claims made by palaeontologists and archaeologists over the last fifty years.

Cameron wants to make it clear that he did not go into the festival to find a dragon mate. Germany is supposed to be an escape. With a new mechanical engineering degree, a new job looming, and a whole life planned out that isn't his, Germany seems like the best place to find

himself. So, how does he end up discovering his lost magic heritage, running from bad guys with a secret agenda, and being adopted by the not-so-extinct Fire Dragon clan? Cameron blames tall, dark, and sexy Alric, King of the Fire Dragons. His fated mate. Because of course he is, and mates are meant to take the blame, right? It may take a hot second, but as Cameron learns more about the scarred Alric and the life he's landed in, Cameron realizes that perhaps this is where he's meant to be, magic and mates and kidnapping and all. Turns out coming to Germany wasn't an escape but his awakening. Tags: Not-so-extinct, Shifter dragons, mages, fated mates, secret clans, epic libraries, hurt/comfort, not mpreg, age gap, not that Alric cares, magical heritage, mechanical engineers being BAMF, grumpy dragon kings being protective of their cute mates, really the cuteness is downright criminal, we might need a firehose for these two, or not, sass, so much sass, Ravi and Cameron are no longer allowed to be alone together, for reasons, dragons hoarding, when you live long enough statistics will get you, bats named Cheryl, beheadings, no damsels in distress here, just very unhappy mages, with trigger fingers, anyone have life hacks on how to get rid of kidnappers, Cameron is open to suggestions.

Reveals Gobekli Tepe as a center of civilizing knowledge for the ancient world • Details how symbolic elements at Gobekli Tepe link a pre-Vedic cult in India to cosmological myths and traditions in Africa, Egypt, Tibet, and China • Discusses how carved animal images at Gobekli Tepe relate to stages of creation and provide an archaic foundation for symbolic written language • Defines how classical elements of ancient Egyptian myth and religion characterize an archaic cosmological tradition that links ancestrally back to Gobekli Tepe How could multiple ancient cultures, spanning both years and geography, have strikingly similar creation myths and cosmologies? Why do the Dogon of Africa and the civilizations of ancient Egypt, India, Tibet, and China share sacred words and symbols? Revealing the existence of a long-forgotten primal culture and the world’s first center of higher learning, Laird Scranton shows how the sophisticated complex at Gobekli Tepe in Turkey is the definitive point of origin from which all the great civilizations of the past inherited their cosmology, esoteric teachings, and civilizing skills, such as agriculture, metallurgy, and stone masonry, fully developed. Scranton explains how the carved images on Gobekli Tepe’s stone pillars were the precursors to the sacred symbols of the Dogon, Egyptians, Tibetans, and Chinese as well as the matriarchal Sakti cult of ancient Iran and India. He identifies Gobekli Tepe as a remote mountain sanctuary of higher knowledge alluded to in Sakti myth, named like an important temple in Egypt, and defined in ancient Buddhist tradition as Vulture Peak. Scranton reveals how Gobekli Tepe’s enigmatic “H” carvings and animal symbolism, symbolic of stages of creation, was presented as a kind of prototype of written language accessible to the hunter-gathers who inhabited the region. He shows how the myths and deities of many ancient cultures are connected linguistically, extending even to the name of Gobekli Tepe and the Egyptian concept of Zep Tepi, the mythical age of the “First Time.” Identifying Gobekli Tepe not only as the first university but also as the first temple, perhaps built as a civilizing exercise, Scranton definitively places this enigmatic archaeological site at the point of origin of civilization, religion, and ancient science.

A novel by the author of the viral essay sensation "The Crane Wife" When Nolan Grey receives news that his father, a once-prominent biologist, has drowned off Leap's Island, he calls on Elsa, his estranged older half-sister, to help. This, despite the fact that it was he and Elsa who broke the family in the first place. Elsa and Nolan travel to their father's field station off the Gulf Coast, where a group called the Reversalists obsessively study the undowny bufflehead, a rare duck whose loss of waterproof feathers proves, they say, that evolution is running in reverse. On an island that is always looking backward, it's impossible for the siblings to ignore their past, and years of family secrecy threaten to ruin them all over again. Yet, despite themselves, the Greys urgently trek the island to find the so-called Paradise Duck, their father's final obsession, all the while grappling with questions of nature and nurture, intimacy and betrayal, progress and forgiveness.

OriginA NovelAnchor

Robert Langdon, Harvard professor of symbology and religious iconography, arrives at the Guggenheim Museum Bilbao to attend the unveiling of a discovery that 'will change the face of science forever'. The evening's host is his friend and former student, Edmond Kirsch, whose inventions and audacious predictions have made him a controversial figure around the world. But the guests are left reeling when the evening is blown apart before Kirsch's precious discovery can be revealed. With his life under threat, and an enemy who is one step ahead at every turn, Langdon flees to Barcelona with the museum's director, Ambra Vidal, on a perilous quest to uncover clues that will bring them face to face with a world-shaking truth that has remained buried - until now.

In the third volume of Gundam the Origin, the White Base is on the run after a successful attack against the Zeon forces in Los Angeles. As they refuel en-route to their Federation base in Jaburo, hidden in the heart of the Amazonian jungle, the crew learns they may be holding on to a new weapon just as valuable as their new Mobile Suit. On the Zeon side, their leadership has been shaken to its core. A grand ceremony is produced in honor of a fallen Zabi youth. Shocked by this death, there are many within the Zeon ranks left frustrated with intent on seeking vengeance.

Recent decades have seen a flourishing interest in and speculation about the origins of photography. Spurred by rediscoveries of ‘first’ photographs and proclamations of photography’s death in the digital age, scholars have been rethinking who and what invented the medium. Photography and Its Origins reflects on this interest in photography’s beginnings by reframing it in critical and specifically historiographical terms. How and why do we write about the origins of the medium? Whom or what do we rely on to construct those narratives? What’s at stake in choosing to tell stories of photography’s genesis in one way or another? And what kind of work can those stories do? Edited by Tanya Sheehan and Andrés Mario Zervigón, this collection of 16 original essays, illustrated with 32 colour images, showcases prominent and emerging voices in the field of photography studies. Their research cuts across disciplines and methodologies, shedding new light on old questions about histories and their writing. Photography and Its Origins will serve as a valuable resource for students and scholars in art history, visual and media studies, and the history of science and technology.

Harvard professor Robert Langdon arrives at the Guggenheim Museum Bilbao to attend the unveiling of an astonishing scientific breakthrough. The evening's host is billionaire Edmond Kirsch, a futurist whose dazzling high-tech inventions and audacious predictions have made him a controversial global figure. But before his secret can be revealed, the meticulously orchestrated evening is blown apart. With his life under threat, Langdon is forced to flee, aided by the museum's director, Ambra Vidal. If they are to beat a devious enemy to Kirsch's discovery, Langdon and Vidal must follow a perilous trail. signposted only by enigmatic symbols, hidden history and elusive modern art. At its end they will come face-to-face with a breathtaking truth that has remained buried - until now.

In this examination of Zion theology and how it arises in the book of Psalms Antti Laato's starting-point is that the Hebrew Bible is the product of the exilic and postexilic times, which nonetheless contains older traditions that have played a significant role in the development of the text. Laato seeks out these older mythical traditions related to Zion using a comparative methodology and looking at Biblical traditions alongside Ugaritic texts and other ancient Near Eastern material. As such Laato provides a historical background for Zion theology which he can apply more broadly to the Psalms. In addition, Laato argues that Zion-related theology in the Psalms is closely related to two events recounted in the Hebrew Bible. First, the architectural details of the Temple of Solomon (1 Kings 6-7), which can be compared with older mythical Zion-related traditions. Second, the religious traditions related to the reigns of David and Solomon such as the Ark Narrative, which ends with David's transfer of the Ark to Jerusalem (2 Sam 6).

From this Laato builds an argument for a possible setting in Jerusalem at the time of David and Solomon for the Zion theology that emerges in the Psalms.

The spellbinding new Robert Langdon novelfrom the author of The Da Vinci Code. Robert Langdon, Harvard professor of symbology and religious iconology, arrives at the Guggenheim Museum Bilbao to attend the unveiling of a discovery that owill change the face of science forevero. The evening's host is his friend and former student, Edmond Kirsch, a forty-year-old tech magnate whose dazzling inventions and audacious predictions have made him a controversial figure around the world. This evening is to be no exception- he claims he will reveal an astonishing scientific breakthrough to challenge the fundamentals of human existence. But Langdon and several hundred other guests are left reeling when the meticulously orchestrated evening is blown apart before Kirsch's precious discovery can be revealed. With his life under threat, Langdon is forced into a desperate bid to escape, along with the museum's director, Ambra Vidal. Together they flee to Barcelona on a perilous quest to locate a cryptic password that will unlock Kirsch's secret. In their path lie dark forces which will do anything to stop them. To evade a tormented enemy who is one step ahead of them at every turn, Langdon and Vidal must navigate labyrinthine passageways of hidden history and ancient religion. On a trail marked only by enigmatic symbols and elusive modern art, Langdon and Vidal uncover the clues that will bring them face-to-face with a world-shaking truth that has remained buried - until now. 'Dan Brown is the master of the intellectual cliffhanger' Wall Street Journal 'As engaging a hero as you could wish for' Mail on Sunday 'For anyone who wants more brain-food than thrillers normally provide' Sunday Times

"Finally, a novel of literary suspense that gets almost everything right—forensically and psychologically." —Sarah Weinman, Baltimore Sun Secretly, in her heart of hearts, Lena Dawson hides the strangest of beliefs about her childhood. Hiding behind a cool competence as a superb fingerprint analyst in a crime lab in snowy Syracuse, New York, she feels totally out of place in the ordinary world of human interaction. Especially since the controlling husband who guided and protected her, then cheated and left her (though now he wants her back). Her uncanny ability to read a crime scene draws her into investigating a mysterious series of crib deaths—but ultimately the most difficult puzzle she must solve is the one of her own origins. Diana Abu-Jaber, a “gifted and graceful writer” (Chicago Tribune), masterfully “transcends formula” (Kirkus Reviews) as “the tension of Origin escalates, shaped as much by beautifully nuanced prose as menacing events” (New York Daily News).