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Altri autori (Persone)	PerbalBernard V TakigawaMasaharu
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Nota di contenuto	Contents; Preface; Chapter 1 The CCN Family of Proteins: An Overview Bernard Perbal and Masaharu Takigawa; Chapter 2 Roles of CCN2/CTGF in the Control of Growth and Regeneration Masaharu Takigawa, Takashi Nishida and Satoshi Kubota; Chapter 3 Integrin-Mediated CCN Functions Lester F. Lau and Stephen C.-T. Lam; Chapter 4 Expression and Roles of CCN2 During Odontogenesis Manabu Kanyama, Tsuyoshi Shimo, Changshan Wu, Hiroki Sugito, Masahiro Iwamoto, Maurizio Pacifici and Eiki Koyama; Chapter 5 CCN Genes and the Kidney Bruce L. Riser, Sujatha Karoor and Darryl R. Peterson Chapter 6 CCN Proteins in Liver Injury and Disease Amy W. Rachfal and David R. BrigstockChapter 7 Genetic Analysis of CCN Gene Function in Mammalian Development Lisa M. Dornbach and Karen M. Lyons; Chapter 8 CCN Family in Embryonic Development (Non-Mammalian Models) Branko V. Latinkic; Chapter 9 CCN3 Expression and its Role During Development Ken-ichi Katsube; Chapter 10 Regulation of CCN Proteins by Alterations of the Cytoskeleton Brahim Chaqour and Margarete Goppelt-Struebe; Chapter 11 Pathogenesis of Systemic

Sclerosis and CCN2 (Connective Tissue Growth Factor) Kazuhiko Takehara
Chapter 12 Function and Regulation of CCN5 Mark R. Gray and John J. Castellot Jr. Chapter 13 CCN3: A Multifunctional Signaling Regulator Nathalie Planque, Anne-Marie Bleau and Bernard Perbal; Chapter 14 CCN Proteins and Connexins: Interactions and Growth Control Christine Fu, Alexandra Gellhaus, Elke Winterhager and Christian C. Naus; Chapter 15 The Role of CCN1 in Tumorigenesis and Cancer Progression James O'Kelly and H. Phillip Koeffler; Chapter 16 CCN4 and CCN6 Variants in Wnt-Inducible Signaling Pathway Shinji Tanaka; Index

Sommario/riassunto

The CCN Proteins are thought to play key roles in the biology of normal cell, tissue, organ, and body, and altered expression of CCN proteins is associated with several pathologies, including fibrosis and cancer. Because of its importance, the CCN field is expanding at a fast pace.

2. Record Nr.	UNINA9910518200803321
Autore	Bruhn Matthias
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Skifahrer -- Alice in the Land of Cold -- The Quest for Absolute Zero.
Early Historical Developments in Cryogenics -- Verlangsamten.
Kälteumgebungen biologischen Experimentierens -- Bilder einfrieren,
oder: Wie das Bewegtbild in den Eisschrank kommt -- Monobloc.
Kältetechnik bei Via Lewand -- Eis für alle. Bilder der Kälte als
kollektive Symbole -- Kann Kunst die Welt verändern? Arktisches Eis in
Werken Olafur Eliassons, Willem de Rooijs und Susan Schupplis --
Bildnachweis -- Autorinnen und Autoren

Sommario/riassunto

Als Mittel der Konservierung ist Kälte seit alters her von fundamentaler Bedeutung für die menschliche Kultur, doch erst mit dem Industriezeitalter wurden Möglichkeiten künstlicher Kühlung ersonnen, die heute selbstverständlich sind. Mit ihr gingen auch neue Möglichkeiten der Erkenntnisgewinnung einher. Die gefrorene Bewegung wurde zur Metapher der verlangsamten Aufzeichnung. Ohne Kryotechnik gäbe es keine modernen Rechen- und Bildgebungsprozesse. Diesen Möglichkeiten eiskalter Beobachtung stehen Sichtbarkeitsverluste durch Frost oder Niederschlag gegenüber, so wie die künstliche Absenkung von Temperaturen gerade durch ihren Energieverbrauch den Klimawandel weiter anheizt. Die Technik der Kühlung erreicht in jeder Hinsicht neue Tiefst- und Höchstmarken - mit umfassenden Folgen für das Wissen und die Wahrnehmung.

Cold has always been of fundamental importance to human culture, but it was not until the industrial age that possibilities of artificial cooling were invented which are taken for granted today. However, cooling was also accompanied by new possibilities for gaining knowledge. The frozen movement became a metaphor for technical still life, and without cryogenics, there would be no modern computing and imaging processes. Such possibilities of ice-cold observation are contrasted by losses of visibility, due to frost or precipitation, just as the artificial lowering of temperatures fuels climate change precisely through its energy consumption. Cooling technology is reaching new lows and highs in every respect - with extensive consequences for knowledge and perception.
