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Altri autori (Persone)	ArtmanMichael <1952->
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Nota di contenuto	Cardiovascular Development and Congenital Malformations : Molecular & Genetic Mechanisms; Contents; Foreword; Contributors; PART 1: Establishing left-right patterning and cardiac looping; Editorial perspective; 1. Microenvironment provides left-right instructions to migrating precardiac mesoderm; 2. Calmodulin-inv protein interaction and left-right determination; 3. Misexpression of upstream laterality genes on downstream mechanisms of heart looping: a flectin perspective; 4. Pleiotropic effects of Pitx2 isoform c on morphogenesis in the mammalian heart 5. Signal transduction during cardiac myofibrillogenesis and looping6. Biological role of fibulin-2 in cardiovascular development; PART 2: Mechanisms of cardiogenesis and myocardial development; Editorial perspective; 7. TBX5 regulates cardiac cell behavior during cardiogenesis; 8. Cardiac homeobox protein Csx/Nkx2.5 and its

associated proteins; 9. Regulation of myocardium formation after the initial development of the linear heart tube; 10. The role of the extracellular matrix (ECM) in cardiac development; 11. Teratogenic effects of bis-diamine on the developing myocardium
12 Proliferative responses to myocardial remodeling in the developing heart
PART 3: Formation of endocardial cushions and valves; Editorial perspective; 13. TGF β signaling during atrioventricular cushion transformation; 14. The endocardium as a unique modulator of in utero cardiovascular form and function; 15. Valvulogenesis: role of periostin in cushion tissue differentiation; 16. Role of fibroblast growth factors in early valve leaflet formation; 17. Msx1 expression during chick heart development: possible role in endothelial-mesenchymal transformation during cushion tissue formation
PART 4: Segment and chamber specification
Editorial perspective; 18. Tbx5 specifies the left/right ventricles and ventricular septum position during cardiogenesis; 19. Transcriptional regulation of ventricular morphogenesis; 20. Fgf10 and the embryological origin of outflow tract myocardium; 21. Evolutionary conservation of atrial natriuretic factor (Anf) expression, cardiac chamber formation, and the heart-forming region; PART 5: Formation of specialized conduction tissues; Editorial perspective; 22. Induction and patterning of the impulse conducting Purkinje fiber network
23. Spatial correlation of conduction tissue in the ventricular trabeculae of the developing zebrafish
24. Development of the cardiac conduction system and contribution of neural crest and epicardially derived cells; 25. The development of the cardiac conduction system: an old story with a new perspective; 26. The role of calreticulin in cardiac development and function; PART 6: Coronary artery development; Editorial perspective; 27. Development of proximal coronary artery in quail embryonic heart; 28. Possible roles of the extracellular matrix in coronary vasculogenesis of mouse
29. Abnormal coronary development in bis-diamine treated embryo

Sommario/riassunto

Congenital cardiovascular malformations are the single most common form of birth defect. Therefore a better understanding of the mechanisms involved in both normal cardiac development and the formation of cardiovascular structural defects is of tremendous importance. This book brings together the leading scientists from around the world who are actively engaged in studies of the etiology, morphogenesis and physiology of congenital cardiovascular diseases. A broad variety of approaches, techniques, experimental models and studies of human genetics combine to make this a truly outstanding

2. Record Nr.	UNINA9910150496003321
Autore	Carol Lynne
Titolo	Cut
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ISBN	1-78430-946-X
Descrizione fisica	1 online resource (1 p.)
Collana	Kings of Bedlam
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Lingua di pubblicazione	Inglese
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Sommario/riassunto	<p>Guilt kept him away from Santana for years, but once he has her, he'll let no one stand in his way from keeping her. As the only child of an abusive biker and an alcoholic mother, Santana Rogers had one hero she could turn to in her life. Stake Wills, a member of the Kings of Bedlam Motorcycle Club, was her father's best friend, her savior and her lifelong crush. When her father is sent to prison, the club and her only friends turn their backs on her, leaving her to deal with the fall-out of her father's crime on her own. Santana is proud of the way she's persevered through the hard and lonely years. When Stake reappears in her life after the County Sheriff attacks her, she isn't sure she's willing to let him back into her life and her heart. And if she does, she's not sure she'll survive having her heart broken again when he inevitably leaves. It just about killed Stake to walk out of Santana's life, but after his best friend's death, he's forced to choose between the motorcycle club and keeping an eye on Santana. The club is the only family he's ever known, and a blackmail threat by Santana's mother threatens to destroy it all. He realizes that he made a mistake, but that won't stop him from trying to prove to Santana that he's still the man she needs him to be.</p>