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Nota di contenuto	DEVELOPMENT OF THE CARDIAC CONDUCTION SYSTEM; Contents; Participants; Chair's introduction; The morphology of the cardiac conduction system; Discussion; Development of the cardiac conduction system: a matter of chamber development; Discussion; Mouse models for cardiac conduction system development; Discussion; Developmental transitions in cardiac conduction; Discussion; Gap junctional connexins in developing mouse cardiac conduction system; Discussion; His-Purkinje lineages and development; Discussion; The role of neural crest and epicardium-derived cells in conduction system formation DiscussionInduction and patterning of the Purkinje fibre network; Discussion; The oldest, toughest cells in the heart; Discussion; Transcriptional regulation in the mouse atrioventricular conduction

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Sommario/riassunto	The pacemaking and conduction system (PCS) is vital for generating and synchronizing the heart beat. Dysfunction of this system can be a direct cause of cardiac conduction disturbance, arrhythmias and sudden cardiac death. A wealth of information has been collected over many years on the unique histological, morphological and phenotypic characteristics of specialized cardiac tissues. The cellular and molecular mechanisms that govern development of the PCS are now starting to be understood. This book draws together contributions from an international and interdisciplinary group of experts w