

1. Record Nr.	UNINA9911015970003321
Autore	Moretti Elena
Titolo	The Human Spermatozoon : Problems and Approaches / / by Elena Moretti, Giulia Collodel
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-97868-4
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (215 pages)
Altri autori (Persone)	CollodelGiulia
Disciplina	613.9
Soggetti	Reproductive health Reproduction Physiology Cytology Reproductive Medicine Reproductive Physiology Cell Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: The history of the spermatozoon: from discovery to today -- Chapter 2 Human spermatogenesis -- Chapter 3 The human spermatozoon: structure and motility -- Chapter 4: Factors affecting human spermatogenesis -- Chapter 5: Non-systematic and systematic defects of human spermatozoon -- Chapter 6: Post-testicular sperm maturation: the epididymis and the seminal plasma -- Chapter 7: The Human Spermatozoon: conclusion and future directions.
Sommario/riassunto	This textbook provides a comprehensive overview of the human spermatozoon, tracing its journey from historical discovery to contemporary scientific understanding. The chapters cover the complexities of sperm morphology and function, providing a thorough examination that is both technical and accessible. The volume opens with the history of sperm research, and subsequent chapters focus on human spermatogenesis and the detailed structure and motility of sperm cells. Readers will gain critical insight into the factors that influence spermatogenesis, including oxidative stress, genetic influences, and lifestyle factors. The book also provides an in-depth

examination of various sperm defects and their impact on fertility. Written by leading experts in the field, this work invites the reader to reflect on critical issues in male fertility and reproductive health. It provides a complete summary of the sophisticated machinery of the human spermatozoon, making it essential reading for students, researchers and technicians in reproductive biology and medicine.
