

1. Record Nr.	UNINA9910298264403321
Titolo	Receptor Tyrosine Kinases: Family and Subfamilies // edited by Deric L. Wheeler, Yosef Yarden
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-11888-9
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (888 p.)
Disciplina	570
Soggetti	Cell biology Proteins Pharmaceutical technology Cell Biology Receptors Pharmaceutical Sciences/Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Anaplastic Lymphoma Kinase (ALK) Receptor Tyrosine Kinase (RTK) Family -- The TAM Receptor Family -- DDR Receptor Tyrosine Kinase Family -- EGFR/ERBB Receptor Tyrosine Kinase Family -- Eph Receptor Tyrosine Kinase Family -- Receptor Tyrosine Kinase textbook -- Fibroblast Growth Factor Receptor (FGFR) -- Insulin/IGF1 Receptors (INSR/IGF1R) Family -- MET Receptor Tyrosine Kinase Family -- MuSK Receptor Family -- The PDGFR Receptor Family -- PTK7 Receptor Tyrosine Kinase Family -- RET Receptor Tyrosine Kinase -- ROR Receptor Tyrosine Kinase Family -- ROS1 Receptor Tyrosine Kinase -- The RYK Receptor Tyrosine Kinase Subfamily -- TIE Receptor Tyrosine Kinase Family -- TRK Receptor Family -- The VEGF Family of Ligands and Receptors -- NOK Receptor Tyrosine Kinase Family.
Sommario/riassunto	Receptor tyrosine kinases (RTKs) play critical roles in embryogenesis, normal physiology and several diseases, and over the last decade have become the number one targets of cancer drugs. Receptor Tyrosine Kinase: Family and Subfamilies systematically covers, for the first time,

the shared structural and functional features of the RTK family. Understanding the evolutionary origin of the fifty-eight RTKs, their roles in invertebrates and in humans, as well as downstream signaling pathways, is essential for fundamental research and for attempts to develop pharmacological agents able to enhance or intercept their actions. The assembly of chapters written by experts underscores commonalities and is an ideal companion volume to *Receptor Tyrosine Kinases: Structure, Functions and Role in Human Disease*, which refers to specific subfamilies of RTKs, along with their unique landmarks.
