

1. Record Nr.	UNINA9910298430703321
Titolo	Role of Tyrosine Kinases in Gastrointestinal Malignancies // edited by Ganji Purnachandra Nagaraju
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
ISBN	981-13-1486-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (249 pages)
Disciplina	612.01516
Soggetti	Cancer - Research Human physiology Cytology Proteins Gene expression Oncology Cancer Research Human Physiology Cell Biology Receptors Gene Expression
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. 1. Overview of tyrosine kinases and their receptors in gastrointestinal malignancies- -- Chapter 2. EGFR and Erb-B2R (HER2): their role in Esophagus cancer -- Chapter 3. HGFR and FGFR2: their role in progression and metastasis of Esophagus cancer -- Chapter 4. Role of Src and VEGF R tyrosine kinases in Esophagus cancer -- Chapter 5. HGF receptor tyrosine kinase in gastric cancer. - Chapter 6. The EGF/ErbB receptor family of tyrosine kinases in gastric cancer -- Chapter 7. Helicobacter pylori CagA protein: its role and interaction tyrosine kinases in gastric cancer -- Chapter 8. RON receptor tyrosine kinase in pancreatic cancer progression -- Chapter 9. EGFR and Cytoplasmic kinases Src targeting in pancreatic cancer -- Chapter 10. VEGF and PDGFR targeting in pancreatic cancer -- Chapter 11. c-KIT,

and FLT-3: their role in Hepatocellular carcinoma -- Chapter 12. VEGFR, and PDGFR: their targeting in Liver Cancer -- Chapter 13. EGFR and FGFR in growth and metastasis of colorectal cancer -- Chapter 14. VEGFR, and PDGFR: their targeting in colorectal cancer -- Chapter 15. Nano materials and their impact on tyrosine kinase on selected gastrointestinal malignancies -- Chapter 16. Tyrosine kinase inhibitors and their clinical prospective in gastrointestinal malignancies -- Chapter 17. Drug resistance against tyrosine kinase inhibitors in gastrointestinal malignancies -- Chapter 18. Tyrosine kinases: their expression, diagnostic, therapeutic and prognostic aspects in gastrointestinal cancers.

Sommario/riassunto

The aim of this book is to provide comprehensive overview of the role of different tyrosine kinases in the progression and metastasis of various cancers of the gastrointestinal tract such as esophagus, liver, pancreas, stomach, and colorectal. Activation of various signaling pathways and tyrosine kinases are responsible for resistance to chemo and radiotherapy in these gastrointestinal malignancies. Targeting these tyrosine kinases, which regulate the activities of survival pathways in growth, and metastasis is a rational strategy in gastrointestinal cancer therapy. Each chapter embedded in this book covers information pertaining to a specific tyrosine kinase and its impact on various malignancies, which is not only significant for basic and clinical research investigations but will also be valued by students at advanced undergraduate to postgraduate levels.
