

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Record Nr.           | UNINA9910337955703321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Titolo                  | Stem Cells Heterogeneity - Novel Concepts / / edited by Alexander Birbrair                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ISBN                    | 3-030-11096-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Edizione                | [1st ed. 2019.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Descrizione fisica      | 1 online resource (225 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Collana                 | Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Disciplina              | 616.02774                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Soggetti                | Stem cells<br>Regenerative medicine<br>Tissue engineering<br>Cancer - Research<br>Cell cycle<br>Stem Cells<br>Regenerative Medicine/Tissue Engineering<br>Cancer Research<br>Cell Cycle Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nota di contenuto       | Stem cells heterogeneity -- Heterogeneity in epiblast stem cells -- Progenitor cell heterogeneity in the adult carotid body germinal niche -- Planarian stem cell heterogeneity -- The cellular origin of Barrett's esophagus and its stem cells -- Pluripotent stem cell heterogeneity -- Sarcoma stem cell heterogeneity -- Heterogeneity in adipose derived stem cells -- Unveiling stem cell heterogeneity towards the development of salivary gland regenerative strategies -- Heterogeneity of human mesenchymal stromal/stem cells -- Mitochondrial heterogeneity in stem cells -- The heterogeneity of renal stem cells, and their interaction with bio- and nano-materials -- Index. |
| Sommario/riassunto      | This book presents a comprehensive discussion on the novel concepts in stem cell heterogeneity, from pluripotent stem cells to human mesenchymal stem cells, adult and cancer stem cells of the thyroid, sarcoma, and more. Thus, Stem Cell Heterogeneity - Novel Concepts                                                                                                                                                                                                                                                                                                                                                                                                                    |

starts from a timely update on the current information on stem cells heterogeneity in various tissues and discusses new concepts and future directions. It also provides a solid foundation of the history of stem cells from specific tissues and the current applications of this knowledge in regenerative medicine. When taken as a whole, alongside its companion volumes Stem Cells Heterogeneity in Different Organs, and Stem Cells Heterogeneity in Cancer, these three books present a comprehensive reference on stem cell heterogeneity in various tissues and current and future applications for regenerative medicine. It is essential reading for advanced cell biology students as well as researchers in stem cells and clinicians.

---