1. Record Nr. UNINA9911020244303321

Titolo	Germline development / / [editors, Joan Marsh (organizer) and Jamie Goode]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1994
ISBN	9786612122422 9781282122420 1282122428 9780470514573 0470514574 9780470514580 0470514582
Descrizione fisica	1 online resource (334 p.)
Collana	Ciba Foundation symposium ; ; 182
Altri autori (Persone)	MarshJoan GoodeJamie
Disciplina	591.3/2
Soggetti	Germ cells
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Symposium on Germline Development, held at the Ciba Foundation, London, 20-22 July, 1993"--P. [v].
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	GERMLINE DEVELOPMENT; Contents; Participants; Introduction; Germ cell specification in Volvox carteri; Specification and development of the germ l i n e i n Caenorhabditis elegans; Primordial germ cell formation in birds; Clonal analysis of the origin of primordial germ cells in the mouse; Evolutionary aspects of primordial germ cell formation; Primordial germ cell migration; Interactions between migratory primordial germ cells and cellular substrates in the mouse; General discussion I; Embryonic germ cell lines and their derivation from mouse primordial germ cells Control of germ cell differentiation in Caenorhabditis elegansSex determination of germ cells in Drosophila; Molecular genetics of the early stages of germ cell differentiation during Drosophila oogenesis; egalitarian and the choice of cell fates in Drosophila melanogaster oog e n esis; The onset of spermatogenesis in fish; Somatic cell-germ cell relationships in mammalian testes during development and

	spermatogenesis; Germ plasm formation and germ cell determination in Drosophila; Final general discussion; Summing-up; Index of contributors; Subject index
Sommario/riassunto	Connects classical cellular descriptive studies with more recent work on the molecular and genetic aspects regarding germline development. Prominent scientists discuss research on a range of organisms including insects, worms, birds, fish, amphibia, mammals and green algae. Specification of germ cells, their migration to the gonads and subsequent interactions with the soma and evolutionary factors of their segregation are among the topics covered.