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Nota di contenuto	GERMLINE DEVELOPMENT; Contents; Participants; Introduction; Germ cell specification in <i>Volvox carteri</i> ; Specification and development of the germ line in <i>Caenorhabditis elegans</i> ; 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 <i>Caenorhabditis elegans</i> Sex determination of germ cells in <i>Drosophila</i> ; Molecular genetics of the early stages of germ cell differentiation during <i>Drosophila</i> oogenesis; egalitarian and the choice of cell fates in <i>Drosophila melanogaster</i> oogenesis; 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.