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Primordial Germ Cells and Amnion Development in the Avian Embryo

1. A better understanding of the vascular route taken by the PGCs and their markers, may prove an important model to understand how metastatic cells behave on their way to form secondary tumors and how leukocytes behave during processes like infection and inflammation. This Thesis
2. A meiotic wave in the developing female gonad may be a conserved event among vertebrates. This Thesis
3. New genetic tools, associated with its extensive history as an experimental model and low costs of acquisition and maintenance compared to other models, predict remarkable advances in the use of the hen for disease modelling. This Thesis
4. Highlighting the advantages of the hen in studying the origin warrants the development of an integrative approach using different models, in vivo and in vitro, that may complement the discoveries made in the avian model. This Thesis
5. Avian embryos are a powerful model to study developmental and stem cell biology. S. Intraparat, Stem Cell Res. 2013;11(3):1378-92
6. An egg or oocyte is probably the most complex and extraordinary cell, because this single cell can potentially develop into a whole organism. M. Azim Surani, C R Biol. 2007;330(6-7):474-8
7. The realization that organisms as diverse as *C. elegans*, *Drosophila* and mouse use similar strategies to specify PGCs should encourage biologists working with other animals to join in the pursuit of revealing the many remaining secrets of the germline. A. Nakamura, Development. 2009;135: 3817-3827
8. Every individual alive today, even the very highest, is to be derived in an unbroken line from the first and lowest forms. August Weismann (1834-1914)
9. A scientist in his laboratory is not a mere technician: he is also a child confronting natural phenomena that impress him as though they were fairy tales. Marie Curie (1867-1934)
10. Travels are the travellers. What we see isn't what we see but what we are. (As viagens são os viajantes. O que vemos não é o que vemos, senão o que somos.). Fernando Pessoa (1888-1935)
11. Not to be absolutely certain is, I think, one of the essential things in rationality. Bertrand Russell (1872-1970)
12. A thinker sees his own actions as experiments and questions - as attempts to find out something. Success and failure are for him answers above all. Friedrich Nietzsche (1844 - 1900)