

Zygote

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:For other meanings see Zygote .A zygote is a cell that is the result of fertilization. That is, two haploid cells—usually an ovum from a female and a sperm cell from a male—merge into a single diploid cell called the zygote . Fusion of the sperm with the ovocyte occurs in the Fallopian tube and the resulting diploid zygote becomes embedded in the uterus wall.Animal zygotes undergo mitotic cell divisions to become an embryo. Other organisms may undergo meiotic cell division at this time . ([From the Wikipedia article Zygote](#) .)

Recent Publications on Zygote:



- [Effect of FSH and LH hormones on oocyte maturation of buffalo and gene expression analysis of their receptors and Cx43 in maturing oocytes.](#)
*SummaryFollicle stimulating hormone (FSH) and luteinizing hormone (LH) are...*5th February, 2010
Transgenic Research Laboratory, DNA Finger Printing Unit, National Bureau- Zygote. 2010 Feb 4:1-4. ([DOI Direct Link](#))
- [TRAUCO, a Trithorax-group gene homologue, is required for early embryogenesis in Arabidopsis thaliana.](#)
*Embryogenesis is a critical stage during the plant life cycle in which a...*2nd February, 2010
Departamento de Genetica Molecular y Microbiologia, Facultad de Ciencias- J Exp Bot. 2010 Jan 29. ([DOI Direct Link](#))
- [Perinatal risk in singleton pregnancies after in vitro fertilization.](#)
*OBJECTIVE: To assess perinatal risks to singleton births after in vitro...*2nd February, 2010
Department of Reproductive Health and Research, Family and Community- Fertil Steril. 2010 Jan 29. ([DOI Direct Link](#))
- [Cytoplasmic inheritance in green algae: patterns, mechanisms and relation to sex type.](#)
*Cytological and genetic investigations of two major groups of green algae,...*30th January, 2010
Graduate School of Life and Environmental Sciences, University of Tsukuba,- J Plant Res. 2010 Jan 30. ([DOI Direct Link](#))
- [Expression of chicken zygote arrest 1 \(Zar1\) and Zar1-like genes during sexual maturation and embryogenesis.](#)
*Maternal mRNAs, which are expressed in oocytes, play an important role in...*30th January, 2010
Laboratory of Physiology of Reproduction of Farm Animals, Department of- Vet Res Commun. 2010 Jan 29. ([DOI Direct Link](#))
- [The embryonic development of the malacostracan crustacean Porcellio scaber \(Isopoda, Oniscidea\).](#)
*To examine the evolution of development and put it into a phylogenetic...*30th January, 2010
Institut fur Biologie, Humboldt-Universitat zu Berlin, Philippstr. 13,- Dev Genes Evol. 2010 Jan 29. ([DOI Direct Link](#))

- [Expression of melatonin \(MT1, MT2\) and melatonin-related receptors in the adult rat testes and during development.](#)
*Summary*It is well known that melatonin provokes reproductive alterations...30th January, 2010
Dipartimento di Medicina Sperimentale-Sezione di Fisiologia Umana e- Zygote. 2010 Jan 29:1-8. ([DOI Direct Link](#))
- [Impact of in vitro fertilization of bovine oocytes with sex-sorted frozen-thawed spermatozoa on developmental kinetics, quality and sex ratio of developing embryos.](#)
*Summary*We studied whether bovine embryos developing after in vitro...30th January, 2010
MTT Agrifood Research Finland, Biotechnology and Food Research, FI-31600- Zygote. 2010 Jan 29:1-10. ([DOI Direct Link](#))
- [Nitric oxide synthase isoforms and the effect of their inhibition on meiotic maturation of porcine oocytes.](#)
*Summary*In this paper we assessed: (i) the change in nitric oxide synthase...30th January, 2010
Czech University of Life Sciences in Prague, Department of Veterinary- Zygote. 2010 Jan 29:1-10. ([DOI Direct Link](#))
- [Preservation of sperm within the mouse cauda epididymidis in salt or sugars at room temperature.](#)
*Summary*The development of preservation techniques for male gametes at room...30th January, 2010
Laboratory for Genomic Reprogramming, RIKEN Center for Developmental- Zygote. 2010 Jan 29:1-12. ([DOI Direct Link](#))
- [Transgenerational developmental effects and genomic instability after X-irradiation of preimplantation embryos: Studies on two mouse strains.](#)
*Recent results have shown that irradiation of a single cell, the zygote or...*26th January, 2010
Molecular & Cellular Biology, Institute for Environment, Health & Safety,- Mutat Res. 2010 Jan 22. ([DOI Direct Link](#))
- [The role of centrosomes in fertilization, cell division and establishment of asymmetry during embryo development.](#)
*Centrosomes play significant central roles during reproduction, cell...*20th January, 2010
Department of Veterinary Pathobiology, University of Missouri-Columbia,- Semin Cell Dev Biol. 2010 Jan 18. ([DOI Direct Link](#))
- [Maternal inheritance of mitochondria: multipolarity, multiallelism and hierarchical transmission of mitochondrial DNA in the true slime mold Physarum polycephalum.](#)
*Direct evidence of digestion of paternal mitochondrial DNA (mtDNA) has...*19th January, 2010
Department of Integrated Biosciences, Graduate School of Frontier- J Plant Res. 2010 Jan 16. ([DOI Direct Link](#))
- [How to repair the oocyte and zygote?](#)
*The supply of human oocytes is very limited. This restricts not only...*16th January, 2010
Institute of Animal- J Reprod Dev. 2009 Dec;55(6):583-7.
- [P-Body Loss Is Concomitant with Formation of a Messenger RNA Storage Domain in Mouse Oocytes.](#)
*In mammalian somatic cells, several pathways converge on deadenylation,...*16th January, 2010
- Biol Reprod. 2010 Jan 14. ([DOI Direct Link](#))

Zygote Clinical Trials:



- [Safety and Antidepressant Effects of Rellidep in Major Depressive Disorder](#)



Zygote Patents:

- 7595190- [Transporters and their uses](#)
- 7612250- [Nuclear transfer embryo formation method](#)
- 7615219- [Inhibition of PACAP signalling for the prevention and treatment of thrombocytopenia](#)
- 7615611- [Human cytokine receptor](#)
- 7615676- [Transgenic screen and method for screening modulators of brain-derived neurotrophic factor \(BDNF\) production](#)
- 7615677- [Assessment method](#)
- 7618621- [Mammalian multipotent neural stem cells and compositions, methods of preparation and methods of administration thereof](#)
- 7618770- [Methods and apparatus for reducing protein content in sperm cell extenders](#)
- 7619071- [Antibodies that bind interleukin-17 receptor homologue](#)
- 7622116- [Method of treating inflammation using soluble IL-17RCX4](#)
- 7622271- [Identification of aging genes through large-scale analysis](#)
- 7612191- [Polynucleotides encoding interleukin-17 receptor homologue](#)
- 7611870- [Methods for identifying cancer risk](#)
- 7608686- [Human tumor necrosis factor receptor](#)
- 7595434- [Methods for altering organ mass in plants](#)
- 7597890- [Methods and compositions for diagnosing lung cancer](#)
- 7598052- [Expression profile of thyroid cancer](#)
- 7598082- [Process of mammalian cell reprogramming through production of a heterokaryon](#)
- 7598367- [Early light-induced protein promoters](#)
- 7598436- [Hybrid corn plant and seed PP59302](#)
- 7601127- [Therapeutic stimulation of genital tissue or reproductive organ of an infertility or impotence diagnosed patient](#)
- 7601699- [Production of reprogrammed cells with restored potential](#)
- 7601884- [Method of producing cloned animals by demecolcine treatment](#)
- 7608259- [Methods of cancer diagnosis and therapy targeted against a cancer stem line](#)
- 7622557- [Antibodies having binding specificity for the extracellular domain of a breast cancer resistance protein \(BCRP\)](#)
- 7622633- [Genetic inhibition by double-stranded RNA](#)
- 7637418- [Advanced gestational wheel calculator](#)
- 7638131- [Coccidiosis poultry vaccine](#)
- 7638602- [Human cytokine receptor](#)
- 7641899- [Methods for inhibiting IL-TIF-induced proliferation of hematopoietic cells using the cytokine receptor Zcytor16](#)
- 7642345- [Polynucleotides encoding human cytokine receptor](#)
- 7645588- [Composition comprising a cell comprising a STIM1 protein and an agent that modulates intracellular calcium and methods of use](#)
- 7648823- [Systems for genome selection](#)
- 7649088- [Atlastin](#)
- 7652192- [Cloning of transgenic unglulates comprising artificial chromosomes](#)
- 7652193- [Tetraploid watermelon producing small fruits](#)
- 7635767- [Compositions comprising polynucleotides encoding TACI-immunoglobulin fusion proteins and methods for producing the same](#)

- 7635467- [Mammalian multipotent stem cells and compositions, methods of preparation and methods of administration thereof](#)
- 7632980- [Modified nucleic acid sequences and methods for increasing mRNA levels and protein expression in cell systems](#)
- 7623969- [Gene discovery for the system assignment of gene function](#)
- 7625750- [Compositions for DNA mediated gene silencing](#)
- 7625753- [Expansion of definitive endoderm cells](#)
- 7625754- [Continuous culture of conifer embryogenic tissue](#)
- 7626081- [Cotton .alpha.-globulin promoter for seed-specific expression of transgenes](#)
- 7629113- [Multiple sexed embryo production system for bovine mammals](#)
- 7629122- [Methods and compositions for the diagnosis of Cornelia de Lange Syndrome](#)
- 7629169- [Methods for the production of platelet-derived growth factor-responsive neural precursor cells](#)
- 7629170- [Evolution of whole cells and organisms by recursive sequence recombination](#)
- 7632643- [PCA3, PCA3 genes, and methods of use](#)
- 7655786- [Gene expression modulating element](#)

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