

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 ovacyte 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:

- [Micromanipulation medium osmolarity compromises zebrafish \(Danio rerio\) embryo and cell survival in chimaerism experiments.](#)
*SummaryIn zebrafish chimaerism experiments, the cell injection can involve...*11th November, 2009
Polytechnic University of Valencia, Camino de Vera 14, 46071 Valencia,- Zygote. 2009 Nov 10:1-4. ([DOI Direct Link](#))
- [Memoirs of an insult: sperm as a possible source of transgenerational epimutations and genetic instability.](#)
*Male transgenerational epigenetic effects have been discovered in the...*10th November, 2009
Department of Obstetrics and Gynaecology, Radboud Univeristy Nijmegen- Mol Hum Reprod. 2009 Nov 6. ([DOI Direct Link](#))
- [A Jewish response to the Vatican's new bioethical guidelines.](#)
*The Vatican recently published directives (Dignitas Personae) regarding...*3rd November, 2009
Gonda Brain Research Center, Bar-Ilan University, Ramat Gan, Israel.- Am J Bioeth. 2009 Nov;9(11):26-30. ([DOI Direct Link](#))
- [Pseudophosphatases: grab and hold on.](#)
*Catalytically inactive pseudophosphatases are able to signal in the...*3rd November, 2009
Cold Spring Harbor Laboratory, Cold Spring Harbor, NY 11724, USA.- Cell. 2009 Oct 30;139(3):464-5. ([DOI Direct Link](#))
- [Paxbeta: a novel family of lophotrochozoan Pax genes.](#)
*Paxbeta is a novel gene family restricted to the bilaterian superphylum...*3rd November, 2009
Section of Molecular Cell and Developmental Biology, Institute of Cellular- Evol Dev. 2009 Nov-Dec;11(6):689-96. ([DOI Direct Link](#))
- [Structural and ultrastructural characterization of the embryonic development of Pseudoplatystoma spp. hybrids.](#)
*The hybrid fish Pseudoplatystoma spp. has been raised on a large scale by...*31st October, 2009
Aquaculture Center of So Paulo State University (CAUNESP), So Paulo,- Int J Dev Biol. 2009 Oct 23. ([DOI Direct Link](#))

- [Editorial: Putting the yoke back in zygote.](#)
*The hybrid fish Pseudoplatystoma spp. has been raised on a large scale by...*30th October, 2009
- Mol Reprod Dev. 2009 Dec;76(12):NA.
- [The evolution of the land plant life cycle.](#)
*New Phytologist (2009)Contents Summary 1I. Introduction 2II. Developmental...*30th October, 2009
Department of Plant Biology, Cornell University, Ithaca, NY 14853, USA.- New Phytol. 2009 Oct 23. ([DOI Direct Link](#))
- [Embryo development of fresh 'versus' vitrified metaphase II oocytes after ICSI: a prospective randomized sibling-oocyte study.](#)
*BACKGROUND A successful oocyte cryopreservation programme is of utmost...*29th October, 2009
G.E.N.E.R.A. Centre for Reproductive Medicine, Clinica Valle Giulia, via- Hum Reprod. 2009 Oct 27. ([DOI Direct Link](#))
- [Biology of eggs, embryos and larvae of Rhinelepis aspera \(Spix & Agassiz, 1829\) \(Pisces: Siluriformes\).](#)
*SummaryThe black armoured catfish Rhinelepis aspera is an important...*29th October, 2009
Programa de Pos-graduacao em Zoologia de Vertebrados, Pontificia- Zygote. 2009 Oct 28:1-13. ([DOI Direct Link](#))
- [Several aspects of animal embryo cryopreservation: anti-freeze protein \(AFP\) as a potential cryoprotectant.](#)
*SummaryWith the development of embryo technologies, such as in vitro...*28th October, 2009
Animal Production Research Centre (APRC) Nitra, 95141 Luzianky near Nitra,- Zygote. 2009 Oct 27:1-9. ([DOI Direct Link](#))
- [Development of the neotropical catfish Rhamdia quelen \(Siluriformes, Heptapteridae\) incubated in different temperature regimes.](#)
*SummaryThe developmental stages for the embryonic and larval periods of...*28th October, 2009
Universidade Federal do Parana, Departamento de Biologia Celular, PO Box- Zygote. 2009 Oct 27:1-14. ([DOI Direct Link](#))
- [\[In vitro cultivation model of Cryptosporidium parvum in MDCK cells and its development\]](#)
*OBJECTIVE: To develop an in vitro culture system for Cryptosporidium...*27th October, 2009
College of Veterinary Medicine, Nanjing Agricultural University, Nanjing- Zhongguo Ji Sheng Chong Xue Yu Ji Sheng Chong Bing Za Zhi. 2009
- [Molecular Characterization of the Key Switch F Provides a Basis for Understanding the Rapid Divergence of the Sex-determining Pathway in the Housefly.](#)
*The housefly, Musca domestica, is an excellent model system to study the...*21st October, 2009
University of Zurich.- Genetics. 2009 Oct 19. ([DOI Direct Link](#))
- [A novel function of ethylene.](#)
*The cellular slime mold, Dictyostelium mucoroides-7 (Dm7) exhibits clear...*20th October, 2009
Department of Biomolecular Science, Graduate School of Life Sciences,- Gene Regul Syst Bio. 2009 Apr 7;3:21-30.

Zygote Clinical Trials:



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



Zygote Patents:

- 7550650- [Production of a transgenic avian by cytoplasmic injection](#)
- 7566814- [Site-specific recombination in eukaryotes and constructs useful therefor](#)
- 7572616- [Alternative oxidase and uses thereof](#)
- 7579515- [Increasing gamete production with a gene switch](#)
- 7579529- [AP2 domain transcription factor ODP2 \(ovule development protein 2\) and methods of use](#)
- 7582292- [Adipose tissue derived stromal cells for the treatment of neurological disorders](#)
- 7582416- [Ligand for G-protein coupled receptor FPRL2 and uses thereof](#)
- 7582425- [Atlastin](#)
- 7582442- [Methods and compositions for using alveolar macrophage phospholipase A2](#)
- 7582734- [Functional antibodies that specifically bind to the Chemerin receptor](#)
- 7582741- [Conditional disruption of dicer1 in cell lines and non-human mammals](#)
- 7566768- [Promyostatin peptides and methods of using same](#)
- 7566455- [E6AP-binding proteins](#)
- 7566447- [Biocides](#)
- 7550652- [Watermelon pollenizer SP-4](#)
- 7553492- [Pharmaceutical compositions containing angiogenic activators](#)
- 7553644- [Detection and treatment of polycystic kidney disease](#)
- 7557070- [Multiplexed cell analysis system](#)
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- 7560259- [Glutathione S-transferase sequence variants](#)
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- 7560538- [Porcine isogloboside 3 synthase protein, cDNA, genomic organization, and regulatory region](#)
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- 7585671- [Hedgehog interacting proteins and uses related thereto](#)
- 7585963- [Chicken ovalbumin nucleotide sequence](#)
- 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](#)
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- 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](#)
- 7601127- [Therapeutic stimulation of genital tissue or reproductive organ of an infertility or impotence diagnosed patient](#)
- 7598436- [Hybrid corn plant and seed PP59302](#)
- 7598367- [Early light-induced protein promoters](#)
- 7586020- [Methods for determining effects of maternal treatments on offspring](#)
- 7586022- [Transgenic non-human animal model of lung tumorigenesis](#)
- 7586604- [Optical apparatus](#)

- 7592501- [Methods for maintaining genetic stability of inbred animal strains](#)
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- 7595434- [Methods for altering organ mass in plants](#)
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- 7615677- [Assessment method](#)

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