

Ectoderm

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The ectoderm is the start of a tissue that covers the body surfaces. It emerges first and forms from the outermost of the germ layers.



Recent Publications on Ectoderm:

- [The method of mouse embryoid body establishment affects structure and developmental gene expression.](#)
*To investigate formation of the three primary germ layers in mouse...*30th August, 2008
Department of Anatomy and Organ Technology, Shinshu University School of- Tissue Cell. 2008 Aug 21. ([DOI Direct Link](#))
- [Transcriptional profiling of endogenous germ layer precursor cells identifies dusp4 as an essential gene in zebrafish endoderm specification.](#)
*A major goal for developmental biologists is to define the behaviors and...*23rd August, 2008
Medical Genetics Branch, National Human Genome Research Institute,- Proc Natl Acad Sci U S A. 2008 Aug 26;105(34):12337-42. Epub 2008 Aug 21. ([DOI Direct Link](#))
- [The surprising complexity of the transcriptional regulation of the spdri gene reveals the existence of new linkages inside sea urchin's PMC and Oral Ectoderm Gene Regulatory Networks.](#)
*During sea urchin embryogenesis the spdri gene participates in two...*23rd August, 2008
Molecular Evolution Group, Stazione Zoologica Anton Dohrn, Napoli, Villa- Dev Biol. 2008 Aug 7. ([DOI Direct Link](#))
- [The embryology of body wall closure: relevance to gastroschisis and other ventral body wall defects.](#)
*During the 3rd and 4th weeks post-fertilization (5 and 6 weeks from the...*21st August, 2008
- Am J Med Genet C Semin Med Genet. 2008 Aug 15;148C(3):180-5. ([DOI Direct Link](#))
- [Derivation and Characterization of Two Genetically Unique Human Embryonic Stem Cell Lines on In-House Derived Human Feeders.](#)
*Present study describes the successful derivation of two human embryonic...*14th August, 2008
National Institute for Research in Reproductive Health, Stem Cell Biology- Stem Cells Dev. 2008 Aug 12. ([DOI Direct Link](#))
- [Canine embryo-derived stem cells and models for human diseases.](#)
*Embryonic stem (ES) cells are pluripotent and permanent cell lines which...*13th August, 2008
Institut fuer Molekulare Tierzucht und Biotechnologie, Genzentrum der LMU- Hum Mol Genet. 2008 Apr 15;17(R1):R42-7. ([DOI Direct Link](#))
- [The evolutionary origin of the Runx/CBFbeta transcription factors--studies of the most basal metazoans.](#)
*BACKGROUND: Members of the Runx family of transcriptional regulators,...*7th August, 2008
Department of Biology, Boston University, 5 Cummington St, Boston, MA- BMC Evol Biol. 2008 Aug 5;8:228. ([DOI Direct Link](#))

- [Bioactive Nanofibers Instruct Cells to Proliferate and Differentiate During Enamel Regeneration.](#)
*Abstract During tooth development, ectoderm-derived ameloblast cells...*31st July, 2008
- J Bone Miner Res. 2008 Jul 29. ([DOI Direct Link](#))
- [Establishment of rat embryonic stem cells and making of chimera rats.](#)
*The rat is a reference animal model for physiological studies and for the...*31st July, 2008
Section for Studies on Metastasis, National Cancer Center Research- PLoS ONE. 2008 Jul 30;3(7):e2800. ([DOI Direct Link](#))
- [Bone morphogenetic protein 4 signaling regulates development of the anterior visceral endoderm in the mouse embryo.](#)
*The extraembryonic ectoderm (ExE) of the mouse conceptus is known to play...*29th July, 2008
The Wellcome Trust/Cancer Research UK Gurdon Institute, University of- Dev Growth Differ. 2008 Jul 24. ([DOI Direct Link](#))
- [Bmp signaling is necessary and sufficient for ventrolateral endoderm specification in Xenopus.](#)
*Here we show that Bmp signaling is necessary and sufficient for the...*25th July, 2008
Department of Molecular and Cellular Biology, University of California,- Dev Dyn. 2008 Aug;237(8):2177-86. ([DOI Direct Link](#))
- [Expression patterns of Shh, Ptc2, Raldh3, Pitx2, Isl1, Lim3 and Pax6 in the developing chick hypophyseal placode and Rathke's pouch.](#)
*The adenohypophysis is derived from a structure called the Rathke's pouch,...*24th July, 2008
Umea Center for Molecular Medicine, Building 6M, 4th Floor, Umea- Gene Expr Patterns. 2008 Jul 4. ([DOI Direct Link](#))
- [The role of Wnt signalling in the development of somites and neural crest.](#)
*The Wnt family of secreted signalling molecules controls a wide range of...*22nd July, 2008
- Adv Anat Embryol Cell Biol. 2008;195:1-64.
- [Tissue-specific requirements of {beta}-catenin in external genitalia development.](#)
*External genitalia are body appendages specialized for internal...*19th July, 2008
Division of Dermatology, Department of Medicine, Washington University- Development. 2008 Aug;135(16):2815-25. Epub 2008 Jul 17. ([DOI Direct Link](#))
- [An increase in intracellular Ca\(2+\) is involved in pronephric tubule differentiation in the amphibian Xenopus laevis.](#)
*The pronephros is the first kidney to develop and is the functional...*19th July, 2008
Centre de Biologie du Developpement, UMR 5547 and GDR 2688, Universite- Dev Biol. 2008 Jul 2. ([DOI Direct Link](#))

BioNews Results for Ectoderm

- [Surgeons need to be familiar with presentations of and treatments for coloboma](#)
OSN Super Site: Aug 27 2008 11:22PM Matching: ectoderm
- [Transfection of Human Tooth-Specific Lineage Cells with FuGENE HD Transfection Reagent](#)
Bionity.com: Aug 24 2008 6:50PM Matching: ectoderm
- [Nanotechnology based stem cell therapies for damaged heart muscles](#)
Nanowerk: Aug 22 2008 10:24AM Matching: ectoderm
- [Automated anterior lamellar keratoplasty combines dermoid excision, fibrin glue](#)
PCON SuperSite: Jul 24 2008 7:13PM Matching: ectoderm

Ectoderm Clinical Trials:



- [Clinical Study of Oral Endosseous Titanium Implants in Edentulous Subjects](#)
Ectodermal Dysplasia; Jaw, Edentulous

Ectoderm Patents:



- 7320872- [Ependymal neural stem cells and method for their isolation](#)
- 7351555- [Mouse cytokine receptor Zcytor16](#)
- 7351715- [Unit dosage forms for the treatment of herpes simplex](#)
- 7354722- [Modulators of Smurf and BMP/TGF.beta. signaling pathways](#)
- 7355002- [Secreted and transmembrane polypeptides and nucleic acids encoding the same](#)
- 7358041- [Antibodies to magmas and uses thereof](#)
- 7358045- [Methods for determining a predisposition to develop breast adenocarcinoma or breast inflammatory carcinoma](#)
- 7361336- [Methods of cancer therapy targeted against a cancer stem line](#)
- 7361506- [Differentiation of specialized dermal and epidermal cells into neuronal cells](#)
- 7364900- [Multi-lineage directed induction of bone marrow stromal cell differentiation](#)
- 7368558- [PRO357 nucleic acids](#)
- 7351529- [Methods for detecting genetic mosaicisms using arrays](#)
- 7344857- [Neurogenin](#)
- 7344712- [Urinary tract tissue graft compositions and methods for producing same](#)
- 7323337- [Gene transfer into primate embryonic stem cells using VSV-G pseudotyped simian immunodeficiency virus vectors](#)
- 7323618- [Tissue specific expression of exogenous proteins in transgenic chickens](#)
- 7326572- [Endoderm cells from human embryonic stem cells](#)
- 7332281- [Therapeutic targets in cancer](#)
- 7332336- [Methods for inducing differentiation of pluripotent cells](#)
- 7332589- [Variants of alpha-fetoprotein coding and expression sequences](#)
- 7332645- [IL-21 as a regulator of immunoglobulin production](#)
- 7335643- [Compositions of active Wnt protein](#)
- 7338781- [Organic anion transporting \(oat\)-like protein UST3-LIKE1 and uses thereof](#)
- 7338934- [Fibroblast growth factor-14](#)
- 7371922- [Nuclear transfer with porcine embryonic stem cells](#)
- 7374760- [Methods and compositions for nerve regeneration](#)
- 7410798- [Culture system for rapid expansion of human embryonic stem cells](#)
- 7412978- [Augmentation and repair of vocal cord tissue defects](#)
- 7413734- [Treatment of retinitis pigmentosa with human umbilical cord cells](#)
- 7413900- [Immortalized fibroblasts](#)
- 7413901- [Method of forming vertebrate pancreas in vitro](#)

- 7413903- [Methods of regulating differentiation in stem cells](#)
- 7413904- [Human embryonic stem cells having genetic modifications](#)
- 7414169- [Therapeutic and diagnostic tools for impaired glucose tolerance conditions](#)
- 7415358- [Molecular toxicology modeling](#)
- 7416849- [HBM variants that modulate bone mass and lipid levels](#)
- 7408048- [Mammalian grainyhead transcription factors](#)
- 7402434- [Splice choice antagonists as therapeutic agents](#)
- 7399834- [Anti-PRO1558 antibodies](#)
- 7375184- [PRO1382 polypeptides](#)
- 7378274- [Regulatory nucleic acid for the ABC1 gene, molecules modifying its activity and therapeutic uses](#)
- 7378507- [PRO217 polypeptides](#)
- 7384784- [Pax-encoding vector and use thereof](#)
- 7390657- [Method for generating primate trophoblasts](#)
- 7390879- [Secreted and transmembrane polypeptides and nucleic acids encoding the same](#)
- 7393686- [Genetic demonstration of requirement for NKX6.1 and NKX2.2 in ventral neuron generation](#)
- 7396533- [Polypeptides and nucleic acids encoding same](#)
- 7396908- [OAF065alpha and OAF065beta polypeptides](#)
- 7399633- [Methods for immortalizing cells](#)
- 7416885- [Proliferated cell lines and uses thereof](#)

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