

## BS3570: Human Embryology and Endocrinology

View Online



[1]

Arnold, S.J. and Robertson, E.J. 2009. Making a Commitment: Cell Lineage Allocation and Axis Patterning in the Early Mouse Embryo. *Nature Reviews Molecular Cell Biology*. 10, 2 (2009), 91–103. DOI:<https://doi.org/10.1038/nrm2618>.

[2]

Arnold, S.J. and Robertson, E.J. 2009. Making a Commitment: Cell Lineage Allocation and Axis Patterning in the Early Mouse Embryo. *Nature Reviews Molecular Cell Biology*. 10, 2 (2009), 91–103. DOI:<https://doi.org/10.1038/nrm2618>.

[3]

Artus, J. and Chazaud, C. 2014. A Close Look at the Mammalian Blastocyst: Epiblast and Primitive Endoderm Formation. *Cellular and Molecular Life Sciences*. 71, 17 (2014), 3327–3338. DOI:<https://doi.org/10.1007/s00018-014-1630-3>.

[4]

Babu, D. and Roy, S. 2013. Left-Right Asymmetry: Cilia Stir Up New Surprises in the Node. *Open Biology*. 3, 5 (2013). DOI:<https://doi.org/10.1098/rsob.130052>.

[5]

Blom, H.J. 2009. Folic Acid, Methylation and Neural Tube Closure in Humans. *Birth Defects Research Part A: Clinical and Molecular Teratology*. 85, 4 (2009), 295–302. DOI:<https://doi.org/10.1002/bdra.20581>.

[6]

Briscoe, J. and Novitch, B.G. 2008. Regulatory Pathways Linking Progenitor Patterning, Cell Fates and Neurogenesis in the Ventral Neural Tube. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 363, 1489 (2008), 57–70.  
DOI:<https://doi.org/10.1098/rstb.2006.2012>.

[7]

Briscoe, J. and Thérond, P.P. 2013. The Mechanisms of Hedgehog Signalling and Its Roles in Development and Disease. *Nature Reviews Molecular Cell Biology*. 14, 7 (2013), 418–431.  
DOI:<https://doi.org/10.1038/nrm3598>.

[8]

Butler, M.T. and Wallingford, J.B. 2017. Planar Cell Polarity in Development and Disease. *Nature Reviews Molecular Cell Biology*. 18, 6 (Mar. 2017), 375–388.  
DOI:<https://doi.org/10.1038/nrm.2017.11>.

[9]

Cardenas-Rodriguez, M. and Badano, J.L. 2009. Ciliary Biology: Understanding the Cellular and Genetic Basis of Human Ciliopathies. *American Journal of Medical Genetics Part C: Seminars in Medical Genetics*. 151C, 4 (2009), 263–280.  
DOI:<https://doi.org/10.1002/ajmg.c.30227>.

[10]

Carlson, B.M. 2014. *Human Embryology and Developmental Biology*. Elsevier/Saunders.

[11]

Carlson, B.M. 2013. *Human Embryology and Developmental Biology*. Saunders.

[12]

Carlson, B.M. 2014. *Human Embryology and Developmental Biology*. Elsevier/Saunders.

[13]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[14]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[15]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[16]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[17]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[18]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[19]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[20]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[21]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[22]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[23]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[24]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[25]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[26]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[27]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[28]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[29]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[30]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[31]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[32]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[33]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[34]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[35]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[36]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[37]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[38]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[39]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[40]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[41]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[42]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[43]

Carlson, B.M. 2014. Human Embryology and Developmental Biology. Elsevier/Saunders.

[44]

Carlson, B.M. 2013. Human Embryology and Developmental Biology. Saunders.

[45]

Chen, R.A. and Goodman, W.G. 2004. Role of the Calcium-Sensing Receptor in Parathyroid Gland Physiology. *American Journal Of Physiology. Renal Physiology*. 286, 6 (2004), F1005–F1011. DOI:<https://doi.org/10.1152/ajprenal.00013.2004>.

[46]

Chi, F. et al. 2017. The Apical Domain Defines the Trophectoderm Differentiation in Early Mammalian Embryo by Regulating Yap Nuclear Translocation [open access]. *AME Medical Journal*. 2, 10 (2017).

[47]

Cockburn, K. and Rossant, J. 2010. Making the Blastocyst: Lessons From the Mouse. *Journal of Clinical Investigation*. 120, 4 (2010), 995–1003. DOI:<https://doi.org/10.1172/JCI41229>.

[48]

Copp, A.J. 2005. Neurulation in the Cranial Region - Normal and Abnormal. *Journal of Anatomy*. 207, 5 (2005), 623–635. DOI:<https://doi.org/10.1111/j.1469-7580.2005.00476.x>.

[49]

Copp, A.J. 2005. Neurulation in the Cranial Region - Normal and Abnormal. *Journal of Anatomy*. 207, 5 (2005), 623–635. DOI:<https://doi.org/10.1111/j.1469-7580.2005.00476.x>.

[50]

Copp, A.J. 2005. Neurulation in the Cranial Region - Normal and Abnormal. *Journal of Anatomy*. 207, 5 (2005), 623–635. DOI:<https://doi.org/10.1111/j.1469-7580.2005.00476.x>.

[51]

Copp, A.J. and Greene, N.D. 2009. Genetics and Development of Neural Tube Defects. *The Journal of Pathology*. (2009). DOI:<https://doi.org/10.1002/path.2643>.

[52]

Copp, A.J. and Greene, N.D.E. 2009. Genetics and Development of Neural Tube Defects. *The Journal of Pathology*. 220, 2 (2009), 217–230. DOI:<https://doi.org/10.1002/path.2643>.

[53]

Copp, A.J. and Greene, N.D.E. 2009. Genetics and Development of Neural Tube Defects. *The Journal of Pathology*. 220, 2 (2009), 217–230. DOI:<https://doi.org/10.1002/path.2643>.

[54]

Copp, A.J. and Greene, N.D.E. 2013. Neural Tube Defects-Disorders of Neurulation and Related Embryonic Processes. *Wiley Interdisciplinary Reviews: Developmental Biology*. 2, 2 (2013), 213–227. DOI:<https://doi.org/10.1002/wdev.71>.

[55]

Copp, A.J. and Greene, N.D.E. 2013. Neural Tube Defects-Disorders of Neurulation and Related Embryonic Processes. *Wiley Interdisciplinary Reviews: Developmental Biology*. 2, 2

(2013), 213–227. DOI:<https://doi.org/10.1002/wdev.71>.

[56]

Cordero, D.R. et al. 2011. Cranial Neural Crest Cells on the Move: Their Roles in Craniofacial Development. *American Journal of Medical Genetics Part A*. 155, 2 (2011), 270–279. DOI:<https://doi.org/10.1002/ajmg.a.33702>.

[57]

Development of the Face and Palate:  
<https://anat550.sitehost.iu.edu/hnanim/face/face.html>.

[58]

Development of the Pharyngeal Pouches:  
<https://anat550.sitehost.iu.edu/hnanim/pouch/pouch.html>.

[59]

Development of the Thyroid Gland:  
<https://anat550.sitehost.iu.edu/hnanim/thyroid/thyroid.html>.

[60]

Doudney, K. and Stanier, P. 2005. Epithelial Cell Polarity Genes Are Required for Neural Tube Closure. *American Journal of Medical Genetics Part C: Seminars in Medical Genetics*. 135C, 1 (2005), 42–47. DOI:<https://doi.org/10.1002/ajmg.c.30052>.

[61]

Eggenchwiler, J.T. and Anderson, K.V. 2007. Cilia and Developmental Signaling. *Annual Review of Cell and Developmental Biology*. 23, 1 (2007), 345–373. DOI:<https://doi.org/10.1146/annurev.cellbio.23.090506.123249>.

[62]



Fulka, H. 2008. Chromatin in Early Mammalian Embryos: Achieving the Pluripotent State. *Differentiation*. 76, 1 (2008), 3–14. DOI:<https://doi.org/10.1111/j.1432-0436.2007.00247.x>.

[63]

Fundamentals of Neural Tube Defects | Projmed: 2015.  
<https://web.archive.org/web/20230330172903/http://www.projmed.com/2015/05/fundamentals-of-neural-tube-defects/>.

[64]

Gilbert, S.F. and Barresi, M.J.F. 2016. *Developmental Biology*. Sinauer Associates, Inc., Publishers.

[65]

Gilbert, S.F. and Barresi, M.J.F. 2016. *Developmental Biology*. Sinauer Associates, Inc., Publishers.

[66]

Gilbert, S.F. and Barresi, M.J.F. 2016. *Developmental Biology*. Sinauer Associates, Inc., Publishers.

[67]

Gilbert, S.F. and Barresi, M.J.F. 2016. *Developmental Biology*. Sinauer Associates, Inc., Publishers.

[68]

Gilbert, S.F. and Barresi, M.J.F. 2016. *Developmental Biology*. Sinauer Associates, Inc., Publishers.

[69]

Goodman, H.M. 2009. Basic Medical Endocrinology. Academic.

[70]

Goodman, H.M. 2009. Basic Medical Endocrinology. Elsevier/Academic Press.

[71]

Goodman, H.M. 2010. Basic Medical Endocrinology. Elsevier Science & Technology.

[72]

Goodman, H.M. 2010. Basic Medical Endocrinology. Elsevier Science & Technology.

[73]

Goodman, H.M. 2010. Basic Medical Endocrinology. Elsevier Science & Technology.

[74]

Goodman, H.M. 2010. Basic Medical Endocrinology. Elsevier Science & Technology.

[75]

Goodman, H.M. 2009. Hormonal Control of Pregnancy and Lactation. Basic Medical Endocrinology. Academic.

[76]

Goodman, H.M. 2009. Hormonal Control of Pregnancy and Lactation. Basic Medical Endocrinology. Academic.

[77]

Goodman, H.M. 2009. Hormonal Control of Pregnancy and Lactation. Basic Medical

Endocrinology. Academic.

[78]

Goodman, H.M. 2009. Hormonal Control of Pregnancy and Lactation. Basic Medical Endocrinology. Academic.

[79]

Goodman, H.M. 2009. Hormonal Regulation of Calcium Balance. Basic Medical Endocrinology. Academic.

[80]

Goodman, H.M. 2009. Hormonal Regulation of Calcium Balance. Basic Medical Endocrinology. Elsevier/Academic Press.

[81]

Goodman, W.G. and Quarles, L.D. 2008. Development and Progression of Secondary Hyperparathyroidism in Chronic Kidney Disease: Lessons From Molecular Genetics. *Kidney International*. 74, 3 (2008), 276–288. DOI:<https://doi.org/10.1038/sj.ki.5002287>.

[82]

Greene, N.D.E. 2009. Genetics of Human Neural Tube Defects. *Human Molecular Genetics*. 18, R2 (2009), R113–R129. DOI:<https://doi.org/10.1093/hmg/ddp347>.

[83]

Greene, N.D.E. et al. 2009. Genetics of Human Neural Tube Defects. *Human Molecular Genetics*. 18, R2 (2009), R113–R129. DOI:<https://doi.org/10.1093/hmg/ddp347>.

[84]

Greene, N.D.E. and Copp, A.J. 2009. Development of the Vertebrate Central Nervous System: Formation of the Neural Tube. *Prenatal Diagnosis*. 29, 4 (2009), 303–311.

DOI:<https://doi.org/10.1002/pd.2206>.

[85]

Greene, N.D.E. and Copp, A.J. 2009. Development of the Vertebrate Central Nervous System: Formation of the Neural Tube. *Prenatal Diagnosis*. 29, 4 (2009), 303–311. DOI:<https://doi.org/10.1002/pd.2206>.

[86]

Greene, N.D.E. and Copp, A.J. 2009. Development of the Vertebrate Central Nervous System: Formation of the Neural Tube. *Prenatal Diagnosis*. 29, 4 (2009), 303–311. DOI:<https://doi.org/10.1002/pd.2206>.

[87]

Greene, N.D.E. and Copp, A.J. 2014. Neural Tube Defects. *Annual Review of Neuroscience*. 37, 1 (2014), 221–242. DOI:<https://doi.org/10.1146/annurev-neuro-062012-170354>.

[88]

Greene, N.D.E. and Copp, A.J. 2014. Neural Tube Defects. *Annual Review of Neuroscience*. 37, 1 (2014), 221–242. DOI:<https://doi.org/10.1146/annurev-neuro-062012-170354>.

[89]

Greenspan, F.S. and Gardner, D.G. 2004. *Basic & Clinical Endocrinology*. McGraw-Hill.

[90]

Grevellec, A. and Tucker, A.S. 2010. The Pharyngeal Pouches and Clefts: Development, Evolution, Structure and Derivatives. *Seminars in Cell & Developmental Biology*. 21, 3 (2010), 325–332. DOI:<https://doi.org/10.1016/j.semcd.2010.01.022>.

[91]

Hamada, H. and Tam, P.P.L. 2014. Mechanisms of Left-Right Asymmetry and Patterning:

Driver, Mediator and Responder. *F1000Prime Reports*. 6, 110 (2014).  
DOI:<https://doi.org/10.12703/P6-110>.

[92]

Harris, M.J. and Juriloff, D.M. 2007. Mouse Mutants With Neural Tube Closure Defects and Their Role in Understanding Human Neural Tube Defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*. 79, 3 (2007), 187–210.  
DOI:<https://doi.org/10.1002/bdra.20333>.

[93]

Harris, M.J. and Juriloff, D.M. 2007. Mouse Mutants With Neural Tube Closure Defects and Their Role in Understanding Human Neural Tube Defects. *Birth Defects Research Part A: Clinical and Molecular Teratology*. 79, 3 (2007), 187–210.  
DOI:<https://doi.org/10.1002/bdra.20333>.

[94]

Hirokawa, N. 2009. Fluid Dynamic Mechanism Responsible for Breaking the Left-Right Symmetry of the Human Body: The Nodal Flow. *Annual Review of Fluid Mechanics*. 41, 1 (2009), 53–72. DOI:<https://doi.org/10.1146/annurev.fluid.010908.165141>.

[95]

Ikawa, M. 2010. Fertilization: A Sperm's Journey to and Interaction With the Oocyte. *Journal of Clinical Investigation*. 120, 4 (2010), 984–994. DOI:<https://doi.org/10.1172/JCI41585>.

[96]

Jacob, J. and Briscoe, J. 2003. Gli Proteins and the Control of Spinal-cord Patterning. *EMBO Reports*. 4, 8 (2003), 761–765. DOI:<https://doi.org/10.1038/sj.embor.embor896>.

[97]

Jessell, T.M. 2000. Neuronal Specification in the Spinal Cord: Inductive Signals and Transcriptional Codes. *Nature Reviews Genetics*. 1, 1 (2000), 20–29.  
DOI:<https://doi.org/10.1038/35049541>.

[98]

Johnson, D. and Wilkie, A.O.M. 2011. Craniosynostosis. *European Journal of Human Genetics*. 19, 4 (2011), 369–376. DOI:<https://doi.org/10.1038/ejhg.2010.235>.

[99]

Jones, C. and Chen, P. 2007. Planar Cell Polarity Signaling in Vertebrates. *BioEssays*. 29, 2 (2007), 120–132. DOI:<https://doi.org/10.1002/bies.20526>.

[100]

Kempná, P. and Flück, C.E. 2008. Adrenal Gland Development and Defects. *Best Practice & Research Clinical Endocrinology & Metabolism*. 22, 1 (2008), 77–93. DOI:<https://doi.org/10.1016/j.beem.2007.07.008>.

[101]

Koopman, P. and Svingen, T. 2013. Building the Mammalian Testis: Origins, Differentiation, and Assembly of the Component Cell Populations. *Genes & Development*. 27, 22 (2013), 2409–2426. DOI:<https://doi.org/10.1101/gad.228080.113>.

[102]

Korotkevich, E. et al. 2017. The Apical Domain Is Required and Sufficient for the First Lineage Segregation in the Mouse Embryo. *Developmental Cell*. 40, 3 (2017), 235–247.e7. DOI:<https://doi.org/10.1016/j.devcel.2017.01.006>.

[103]

Kota, S.K. and Kota, S.K. 2013. Fetal Endocrinology. *Indian Journal of Endocrinology and Metabolism*. 17, 4 (2013). DOI:<https://doi.org/10.4103/2230-8210.113722>.

[104]

Lalli, E. 2010. Adrenal Cortex Ontogenesis. *Best Practice & Research Clinical Endocrinology & Metabolism*. 24, 6 (2010), 853–864. DOI:<https://doi.org/10.1016/j.beem.2010.10.009>.

[105]

Lanner, F. and Rossant, J. 2010. The Role of FGF/Erk Signaling in Pluripotent Cells. *Development*. 137, 20 (2010), 3351–3360. DOI:<https://doi.org/10.1242/dev.050146>.

[106]

Levine, A.J. and Brivanlou, A.H. 2007. Proposal of a Model of Mammalian Neural Induction. *Developmental Biology*. 308, 2 (2007), 247–256. DOI:<https://doi.org/10.1016/j.ydbio.2007.05.036>.

[107]

McGill Embryology:  
[http://sprojects.mmi.mcgill.ca/embryology/ug/Adrenal\\_Stuff/Normal/zones.html](http://sprojects.mmi.mcgill.ca/embryology/ug/Adrenal_Stuff/Normal/zones.html).

[108]

Mihajlović, A.I. and Bruce, A.W. 2017. The First Cell-Fate Decision of Mouse Preimplantation Embryo Development: Integrating Cell Position and Polarity. *Open Biology*. 7, 11 (2017). DOI:<https://doi.org/10.1098/rsob.170210>.

[109]

Morriss-Kay, G.M. and Wilkie, A.O.M. 2005. Growth of the Normal Skull Vault and Its Alteration in Craniosynostosis: Insights From Human Genetics and Experimental Studies. *Journal of Anatomy*. 207, 5 (2005), 637–653. DOI:<https://doi.org/10.1111/j.1469-7580.2005.00475.x>.

[110]

Muñoz-Sanjuán, I. and Brivanlou, A.H. 2002. Neural Induction, the Default Model and Embryonic Stem Cells. *Nature Reviews Neuroscience*. 3, 4 (2002), 271–280. DOI:<https://doi.org/10.1038/nrn786>.

[111]

Nakaya, Y. and Sheng, G. 2008. Epithelial to Mesenchymal Transition During Gastrulation: An Embryological View. *Development, Growth & Differentiation*. 50, 9 (2008), 755–766. DOI:<https://doi.org/10.1111/j.1440-169X.2008.01070.x>.

[112]

Naveh-Many, T. 2010. Minireview: The Play of Proteins on the Parathyroid Hormone Messenger Ribonucleic Acid Regulates Its Expression. *Endocrinology*. 151, 4 (2010), 1398–1402. DOI:<https://doi.org/10.1210/en.2009-1160>.

[113]

Nikolopoulou, E. et al. 2017. Neural Tube Closure: Cellular, Molecular and Biomechanical Mechanisms. *Development*. 144, 4 (2017), 552–566. DOI:<https://doi.org/10.1242/dev.145904>.

[114]

Nowotschin, S. and Hadjantonakis, A.-K. 2010. Cellular Dynamics in the Early Mouse Embryo: From Axis Formation to Gastrulation. *Current Opinion in Genetics & Development*. 20, 4 (2010), 420–427. DOI:<https://doi.org/10.1016/j.gde.2010.05.008>.

[115]

Okabe, M. 2014. Mechanism of Fertilization: A Modern View. *Experimental Animals*. 63, 4 (2014), 357–365.

[116]

Okabe, M. 2015. Mechanisms of Fertilization Elucidated by Gene-Manipulated Animals. *Asian Journal of Andrology*. 17, 4 (2015), 646–652. DOI:<https://doi.org/10.4103/1008-682X.153299>.

[117]

Okabe, M. 2013. The Cell Biology of Mammalian Fertilization. *Development*. 140, 22 (2013), 4471–4479. DOI:<https://doi.org/10.1242/dev.090613>.



[118]

Paudyal, A. et al. 2010. The Novel Mouse Mutant, Chuzhoi, Has Disruption of Ptk7 Protein and Exhibits Defects in Neural Tube, Heart and Lung Development and Abnormal Planar Cell Polarity in the Ear. *BMC Developmental Biology*. 10, 1 (2010).  
DOI:<https://doi.org/10.1186/1471-213X-10-87>.

[119]

Richtsmeier, J.T. and Flaherty, K. 2013. Hand in Glove: Brain and Skull in Development and Dymorphogenesis. *Acta Neuropathologica*. 125, 4 (2013), 469–489.  
DOI:<https://doi.org/10.1007/s00401-013-1104-y>.

[120]

Rossant, J. and Tam, P.P.L. 2009. Blastocyst Lineage Formation, Early Embryonic Asymmetries and Axis Patterning in the Mouse. *Development*. 136, 5 (2009), 701–713.  
DOI:<https://doi.org/10.1242/dev.017178>.

[121]

Rossant, J. and Tam, P.P.L. 2009. Blastocyst Lineage Formation, Early Embryonic Asymmetries and Axis Patterning in the Mouse. *Development*. 136, 5 (2009), 701–713.  
DOI:<https://doi.org/10.1242/dev.017178>.

[122]

Rossi, P. and Dolci, S. 2013. Paracrine Mechanisms Involved in the Control of Early Stages of Mammalian Spermatogenesis. *Frontiers in Endocrinology*. 4, (2013).  
DOI:<https://doi.org/10.3389/fendo.2013.00181>.

[123]

Schoenwolf, G.C. et al. 2020. *Larsen's Human Embryology*. Churchill Livingstone, an imprint of Elsevier.

[124]

Schoenwolf, G.C. et al. 2014. *Larsen's Human Embryology*. Churchill Livingstone.

[125]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[126]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[127]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[128]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[129]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[130]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[131]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[132]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[133]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[134]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[135]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[136]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[137]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[138]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[139]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[140]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[141]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[142]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[143]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[144]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[145]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[146]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[147]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[148]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an

imprint of Elsevier.

[149]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[150]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[151]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[152]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[153]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[154]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[155]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[156]

Schoenwolf, G.C. et al. 2020. Larsen's Human Embryology. Churchill Livingstone, an imprint of Elsevier.

[157]

Schoenwolf, G.C. et al. 2014. Larsen's Human Embryology. Churchill Livingstone.

[158]

Senarath-Yapa, K. and Longaker, M.T. 2012. Craniosynostosis. *Organogenesis*. 8, 4 (2012), 103–113. DOI:<https://doi.org/10.4161/org.23307>.

[159]

Shen, M.M. 2007. Nodal Signaling: Developmental Roles and Regulation. *Development*. 134, 6 (2007), 1023–1034. DOI:<https://doi.org/10.1242/dev.000166>.

[160]

Shook, D.S. and Keller, R. 2003. Variation Among Amphibians of Morphogenetic Mechanisms Driving Gastrulation. *Integrative and Comparative Biology*. 43, 6 (2003).

[161]

Srinivas, S. 2006. The Anterior Visceral Endoderm—Turning Heads. *genesis*. 44, 11 (2006), 565–572. DOI:<https://doi.org/10.1002/dvg.20249>.

[162]

Srinivas, S. 2006. The Anterior Visceral Endoderm—Turning Heads. *genesis*. 44, 11 (2006), 565–572. DOI:<https://doi.org/10.1002/dvg.20249>.

[163]

Stephenson, R.O. et al. 2012. Intercellular Interactions, Position, and Polarity in Establishing Blastocyst Cell Lineages and Embryonic Axes. *Cold Spring Harbor Perspectives in Biology*. 4, 11 (2012). DOI:<https://doi.org/10.1101/cshperspect.a008235>.

[164]

Stower, M.J. and Srinivas, S. 2014. Heading Forwards: Anterior Visceral Endoderm Migration in Patterning the Mouse Embryo. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 369, 1657 (2014), 20130546–20130546.  
DOI:<https://doi.org/10.1098/rstb.2013.0546>.

[165]

Strachan, T. 2011. Genetic Manipulation of Animals. *Human Molecular Genetics*. Garland Science.

[166]

Strachan, T. 2011. Genetic Mapping of Mendelian Characters. *Human Molecular Genetics*. Garland Science.

[167]

Strachan, T. 2011. Identifying Human Disease Genes and Susceptibility Factors. *Human Molecular Genetics*. Garland Science.

[168]

Sutherland, M.J. and Ware, S.M. 2009. Disorders of Left-Right Asymmetry: Heterotaxy and Situs Inversus. *American Journal of Medical Genetics Part C: Seminars in Medical Genetics*. 151C, 4 (2009), 307–317. DOI:<https://doi.org/10.1002/ajmg.c.30228>.

[169]

Swann, K. and Lai, F.A. 2016. Egg Activation at Fertilization by a Soluble Sperm Protein. *Physiological Reviews*. 96, 1 (2016), 127–149.  
DOI:<https://doi.org/10.1152/physrev.00012.2015>.

[170]

Syllabus contents:

[https://syllabus.med.unc.edu/courseware/embryo\\_images/unitwelcome/welcome\\_htms/contents.htm#](https://syllabus.med.unc.edu/courseware/embryo_images/unitwelcome/welcome_htms/contents.htm#).

[171]

Takaoka, K. and Hamada, H. 2012. Cell Fate Decisions and Axis Determination in the Early Mouse Embryo. *Development*. 139, 1 (2012), 3-14.  
DOI:<https://doi.org/10.1242/dev.060095>.

[172]

Walczak, E.M. and Hammer, G.D. 2014. Regulation of the Adrenocortical Stem Cell Niche: Implications for Disease. *Nature Reviews Endocrinology*. 11, 1 (2014), 14-28.  
DOI:<https://doi.org/10.1038/nrendo.2014.166>.

[173]

Wallingford, J.B. 2012. Planar Cell Polarity and the Developmental Control of Cell Behavior in Vertebrate Embryos. *Annual Review of Cell and Developmental Biology*. 28, 1 (2012), 627-653. DOI:<https://doi.org/10.1146/annurev-cellbio-092910-154208>.

[174]

Wilde, J.J. et al. 2014. Genetic, Epigenetic, and Environmental Contributions to Neural Tube Closure. *Annual Review of Genetics*. 48, 1 (2014), 583-611.  
DOI:<https://doi.org/10.1146/annurev-genet-120213-092208>.

[175]

Ybot-Gonzalez, P. et al. 2007. Neural Plate Morphogenesis During Mouse Neurulation Is Regulated by Antagonism of Bmp Signalling. *Development*. 134, 17 (2007), 3203-3211.  
DOI:<https://doi.org/10.1242/dev.008177>.

[176]

Ybot-Gonzalez, P. et al. 2007. Neural Plate Morphogenesis During Mouse Neurulation Is Regulated by Antagonism of Bmp Signalling. *Development*. 134, 17 (2007), 3203-3211.  
DOI:<https://doi.org/10.1242/dev.008177>.



[177]

Yoshida, S. and Hamada, H. 2014. Roles of Cilia, Fluid Flow, and Ca<sup>2+</sup> Signaling in Breaking of Left-right Symmetry. *Trends in Genetics*. 30, 1 (2014), 10-17.  
DOI:<https://doi.org/10.1016/j.tig.2013.09.001>.

[178]

Adrenal Insufficiency.

[179]

2008. Gastrulation Animation | YouTube. YouTube.

[180]

Introduction to Bone Biology | YouTube.