

## BS3570: Human Embryology and Endocrinology

View Online



---

Adrenal Insufficiency. (n.d.). <http://www.docstoc.com/docs/432671/Adrenal-Insufficiency>

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

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

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

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

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

Briscoe, J., & Novitsch, 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), 57–70. <https://doi.org/10.1098/rstb.2006.2012>

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

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

Cardenas-Rodriguez, M., & 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), 263–280. <https://doi.org/10.1002/ajmg.c.30227>

Carlson, B. M. (2013a). *Human Embryology and Developmental Biology* (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>

- Carlson, B. M. (2013b). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013c). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013d). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013e). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013f). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013g). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013h). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013i). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013j). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013k). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013l). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013m). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013n). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013o). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013p). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2013q). Human Embryology and Developmental Biology (5th Edition). Saunders. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=1430949>
- Carlson, B. M. (2014a). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.

- Carlson, B. M. (2014b). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014c). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014d). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014e). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014f). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014g). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014h). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014i). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014j). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014k). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014l). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014m). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014n). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014o). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014p). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014q). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.
- Carlson, B. M. (2014r). Human Embryology and Developmental Biology (5th Edition). Elsevier/Saunders.

- Chen, R. A., & Goodman, W. G. (2004). Role of the Calcium-Sensing Receptor in Parathyroid Gland Physiology. *American Journal Of Physiology. Renal Physiology*, 286(6), F1005–F1011. <https://doi.org/10.1152/ajprenal.00013.2004>
- Chi, F., Beniwal, A. S., & Liu, H. (2017). The Apical Domain Defines the Trophectoderm Differentiation in Early Mammalian Embryo by Regulating Yap Nuclear Translocation [open access]. *AME Medical Journal*, 2(10). <http://amj.amegroups.com/article/view/4107/4852>
- Cockburn, K., & Rossant, J. (2010). Making the Blastocyst: Lessons From the Mouse. *Journal of Clinical Investigation*, 120(4), 995–1003. <https://doi.org/10.1172/JCI41229>
- Copp, A. J. (2005a). Neurulation in the Cranial Region - Normal and Abnormal. *Journal of Anatomy*, 207(5), 623–635. <https://doi.org/10.1111/j.1469-7580.2005.00476.x>
- Copp, A. J. (2005b). Neurulation in the Cranial Region - Normal and Abnormal. *Journal of Anatomy*, 207(5), 623–635. <https://doi.org/10.1111/j.1469-7580.2005.00476.x>
- Copp, A. J. (2005c). Neurulation in the Cranial Region - Normal and Abnormal. *Journal of Anatomy*, 207(5), 623–635. <https://doi.org/10.1111/j.1469-7580.2005.00476.x>
- Copp, A. J., & Greene, N. D. (2009a). Genetics and Development of Neural Tube Defects. *The Journal of Pathology*. <https://doi.org/10.1002/path.2643>
- Copp, A. J., & Greene, N. D. E. (2009b). Genetics and Development of Neural Tube Defects. *The Journal of Pathology*, 220(2), 217–230. <https://doi.org/10.1002/path.2643>
- Copp, A. J., & Greene, N. D. E. (2009c). Genetics and Development of Neural Tube Defects. *The Journal of Pathology*, 220(2), 217–230. <https://doi.org/10.1002/path.2643>
- Copp, A. J., & Greene, N. D. E. (2013a). Neural Tube Defects-Disorders of Neurulation and Related Embryonic Processes. *Wiley Interdisciplinary Reviews: Developmental Biology*, 2(2), 213–227. <https://doi.org/10.1002/wdev.71>
- Copp, A. J., & Greene, N. D. E. (2013b). Neural Tube Defects-Disorders of Neurulation and Related Embryonic Processes. *Wiley Interdisciplinary Reviews: Developmental Biology*, 2(2), 213–227. <https://doi.org/10.1002/wdev.71>
- Cordero, D. R., Brugmann, S., Chu, Y., Bajpai, R., Jame, M., & Helms, J. A. (2011). Cranial Neural Crest Cells on the Move: Their Roles in Craniofacial Development. *American Journal of Medical Genetics Part A*, 155(2), 270–279. <https://doi.org/10.1002/ajmg.a.33702>
- Development of the Face and Palate. (n.d.). <https://anat550.sitehost.iu.edu/hnanim/face/face.html>
- Development of the Pharyngeal Pouches. (n.d.). <https://anat550.sitehost.iu.edu/hnanim/pouch/pouch.html>
- Development of the Thyroid Gland. (n.d.). <https://anat550.sitehost.iu.edu/hnanim/thyroid/thyroid.html>
- Doudney, K., & 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), 42–47. <https://doi.org/10.1002/ajmg.c.30052>
- Eggenchwiler, J. T., & Anderson, K. V. (2007). Cilia and Developmental Signaling. *Annual Review of Cell and Developmental Biology*, 23(1), 345–373. <https://doi.org/10.1146/annurev.cellbio.23.090506.123249>
- Fulka, H. (2008). Chromatin in Early Mammalian Embryos: Achieving the Pluripotent State. *Differentiation*, 76(1), 3–14. <https://doi.org/10.1111/j.1432-0436.2007.00247.x>
- Gastrulation Animation | YouTube. (2008). YouTube. [https://www.youtube.com/watch?v=x-p\\_ZkhqZ0M](https://www.youtube.com/watch?v=x-p_ZkhqZ0M)
- Gilbert, S. F., & Barresi, M. J. F. (2016a). *Developmental Biology* (11th Edition). Sinauer Associates, Inc., Publishers.
- Gilbert, S. F., & Barresi, M. J. F. (2016b). *Developmental Biology* (11th Edition). Sinauer Associates, Inc., Publishers.
- Gilbert, S. F., & Barresi, M. J. F. (2016c). *Developmental Biology* (11th Edition). Sinauer Associates, Inc., Publishers.
- Gilbert, S. F., & Barresi, M. J. F. (2016d). *Developmental Biology* (11th Edition). Sinauer Associates, Inc., Publishers.
- Gilbert, S. F., & Barresi, M. J. F. (2016e). *Developmental Biology* (11th Edition). Sinauer Associates, Inc., Publishers.
- Golsharifi, M. (2015, May 7). Fundamentals of Neural Tube Defects | Projmed. <https://web.archive.org/web/20230330172903/http://www.projmed.com/2015/05/fundamentals-of-neural-tube-defects/>
- Goodman, H. M. (2009a). *Basic Medical Endocrinology* (4th ed). Academic.
- Goodman, H. M. (2009b). *Basic Medical Endocrinology*. Elsevier/Academic Press. <http://ezproxy01.rhul.ac.uk/login?url=http://lib.myilibrary.com?id=179541>
- Goodman, H. M. (2009c). Hormonal Control of Pregnancy and Lactation. In *Basic Medical Endocrinology* (4th ed). Academic.
- Goodman, H. M. (2009d). Hormonal Control of Pregnancy and Lactation. In *Basic Medical Endocrinology* (4th ed). Academic.
- Goodman, H. M. (2009e). Hormonal Control of Pregnancy and Lactation. In *Basic Medical Endocrinology* (4th ed). Academic.
- Goodman, H. M. (2009f). Hormonal Control of Pregnancy and Lactation. In *Basic Medical Endocrinology* (4th ed). Academic.
- Goodman, H. M. (2009g). Hormonal Regulation of Calcium Balance. In *Basic Medical Endocrinology* (4th ed). Academic.

- Goodman, H. M. (2009h). Hormonal Regulation of Calcium Balance. In *Basic Medical Endocrinology*. Elsevier/Academic Press.  
<http://ezproxy01.rhul.ac.uk/login?url=http://lib.myilibrary.com?id=179541>
- Goodman, H. M. (2010a). *Basic Medical Endocrinology* (4th ed). Elsevier Science & Technology. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=4952427>
- Goodman, H. M. (2010b). *Basic Medical Endocrinology* (4th ed). Elsevier Science & Technology. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=4952427>
- Goodman, H. M. (2010c). *Basic Medical Endocrinology* (4th ed). Elsevier Science & Technology. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=4952427>
- Goodman, H. M. (2010d). *Basic Medical Endocrinology* (4th ed). Elsevier Science & Technology. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=4952427>
- Goodman, W. G., & Quarles, L. D. (2008). Development and Progression of Secondary Hyperparathyroidism in Chronic Kidney Disease: Lessons From Molecular Genetics. *Kidney International*, 74(3), 276–288. <https://doi.org/10.1038/sj.ki.5002287>
- Greene, N. D. E. (2009). Genetics of Human Neural Tube Defects. *Human Molecular Genetics*, 18(R2), R113–R129. <https://doi.org/10.1093/hmg/ddp347>
- Greene, N. D. E., & Copp, A. J. (2009a). Development of the Vertebrate Central Nervous System: Formation of the Neural Tube. *Prenatal Diagnosis*, 29(4), 303–311. <https://doi.org/10.1002/pd.2206>
- Greene, N. D. E., & Copp, A. J. (2009b). Development of the Vertebrate Central Nervous System: Formation of the Neural Tube. *Prenatal Diagnosis*, 29(4), 303–311. <https://doi.org/10.1002/pd.2206>
- Greene, N. D. E., & Copp, A. J. (2009c). Development of the Vertebrate Central Nervous System: Formation of the Neural Tube. *Prenatal Diagnosis*, 29(4), 303–311. <https://doi.org/10.1002/pd.2206>
- Greene, N. D. E., & Copp, A. J. (2014a). Neural Tube Defects. *Annual Review of Neuroscience*, 37(1), 221–242. <https://doi.org/10.1146/annurev-neuro-062012-170354>
- Greene, N. D. E., & Copp, A. J. (2014b). Neural Tube Defects. *Annual Review of Neuroscience*, 37(1), 221–242. <https://doi.org/10.1146/annurev-neuro-062012-170354>
- Greene, N. D. E., Greene, P., & Stanier, A. J. C. (2009). Genetics of Human Neural Tube Defects. *Human Molecular Genetics*, 18(R2), R113–R129. <https://doi.org/10.1093/hmg/ddp347>
- Greenspan, F. S., & Gardner, D. G. (2004). *Basic & Clinical Endocrinology* (7th ed). McGraw-Hill.
- Grevellec, A., & Tucker, A. S. (2010). The Pharyngeal Pouches and Clefts: Development, Evolution, Structure and Derivatives. *Seminars in Cell & Developmental Biology*, 21(3), 325–332. <https://doi.org/10.1016/j.semcdb.2010.01.022>

Hamada, H., & Tam, P. P. L. (2014). Mechanisms of Left-Right Asymmetry and Patterning: Driver, Mediator and Responder. *F1000Prime Reports*, 6(110).  
<https://doi.org/10.12703/P6-110>

Harris, M. J., & Juriloff, D. M. (2007a). 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), 187–210. <https://doi.org/10.1002/bdra.20333>

Harris, M. J., & Juriloff, D. M. (2007b). 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), 187–210. <https://doi.org/10.1002/bdra.20333>

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), 53–72. <https://doi.org/10.1146/annurev.fluid.010908.165141>

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

Introduction to Bone Biology | YouTube. (n.d.).  
<https://www.youtube.com/watch?v=4XcAcFqAkcM&feature=relmfu>

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

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

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

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

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

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

Korotkevich, E., Niwayama, R., Courtois, A., Friese, S., Berger, N., Buchholz, F., & Hiiragi, T. (2017). The Apical Domain Is Required and Sufficient for the First Lineage Segregation in the Mouse Embryo. *Developmental Cell*, 40(3), 235–247.e7.  
<https://doi.org/10.1016/j.devcel.2017.01.006>

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

- Lalli, E. (2010). Adrenal Cortex Ontogenesis. *Best Practice & Research Clinical Endocrinology & Metabolism*, 24(6), 853–864. <https://doi.org/10.1016/j.beem.2010.10.009>
- Lanner, F., & Rossant, J. (2010). The Role of FGF/Erk Signaling in Pluripotent Cells. *Development*, 137(20), 3351–3360. <https://doi.org/10.1242/dev.050146>
- Levine, A. J., & Brivanlou, A. H. (2007). Proposal of a Model of Mammalian Neural Induction. *Developmental Biology*, 308(2), 247–256. <https://doi.org/10.1016/j.ydbio.2007.05.036>
- McGill Embryology. (n.d.). [http://sprojects.mmi.mcgill.ca/embryology/ug/Adrenal\\_Stuff/Normal/zones.html](http://sprojects.mmi.mcgill.ca/embryology/ug/Adrenal_Stuff/Normal/zones.html)
- Mihajlović, A. I., & Bruce, A. W. (2017). The First Cell-Fate Decision of Mouse Preimplantation Embryo Development: Integrating Cell Position and Polarity. *Open Biology*, 7(11). <https://doi.org/10.1098/rsob.170210>
- Morriss-Kay, G. M., & 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), 637–653. <https://doi.org/10.1111/j.1469-7580.2005.00475.x>
- Muñoz-Sanjuán, I., & Brivanlou, A. H. (2002). Neural Induction, the Default Model and Embryonic Stem Cells. *Nature Reviews Neuroscience*, 3(4), 271–280. <https://doi.org/10.1038/nrn786>
- Nakaya, Y., & Sheng, G. (2008). Epithelial to Mesenchymal Transition During Gastrulation: An Embryological View. *Development, Growth & Differentiation*, 50(9), 755–766. <https://doi.org/10.1111/j.1440-169X.2008.01070.x>
- Naveh-Many, T. (2010). Minireview: The Play of Proteins on the Parathyroid Hormone Messenger Ribonucleic Acid Regulates Its Expression. *Endocrinology*, 151(4), 1398–1402. <https://doi.org/10.1210/en.2009-1160>
- Nikolopoulou, E., Galea, G. L., Rolo, A., Greene, N. D. E., & Copp, A. J. (2017). Neural Tube Closure: Cellular, Molecular and Biomechanical Mechanisms. *Development*, 144(4), 552–566. <https://doi.org/10.1242/dev.145904>
- Nowotschin, S., & Hadjantonakis, A.-K. (2010). Cellular Dynamics in the Early Mouse Embryo: From Axis Formation to Gastrulation. *Current Opinion in Genetics & Development*, 20(4), 420–427. <https://doi.org/10.1016/j.gde.2010.05.008>
- Okabe, M. (2013). The Cell Biology of Mammalian Fertilization. *Development*, 140(22), 4471–4479. <https://doi.org/10.1242/dev.090613>
- Okabe, M. (2014). Mechanism of Fertilization: A Modern View. *Experimental Animals*, 63(4), 357–365. <https://www.ncbi.nlm.nih.gov/pubmed/24974794>
- Okabe, M. (2015). Mechanisms of Fertilization Elucidated by Gene-Manipulated Animals. *Asian Journal of Andrology*, 17(4), 646–652. <https://doi.org/10.4103/1008-682X.153299>
- Paudyal, A., Damrau, C., Patterson, V. L., Ermakov, A., Formstone, C., Lallane, Z., Wells,



S., Lu, X., Norris, D. P., Dean, C. H., Henderson, D. J., & Murdoch, J. N. (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). <https://doi.org/10.1186/1471-213X-10-87>

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

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

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

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

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014a). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014b). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014c). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014d). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014e). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014f). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014g). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone. <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014h). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014i). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014j). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014k). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014l). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014m). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014n). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014o). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014p). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2014q). *Larsen's Human Embryology* (5th Edition). Churchill Livingstone.

<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=2074524>

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020a). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020b). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020c). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020d). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020e). *Larsen's Human*

Embryology (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020f). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020g). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020h). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020i). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020j). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020k). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020l). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020m). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020n). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020o). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020p). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020q). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

Schoenwolf, G. C., Bleyl, S. B., Brauer, P. R., & Francis-West, P. H. (2020r). *Larsen's Human Embryology* (6th Edition). Churchill Livingstone, an imprint of Elsevier.

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

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

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

Srinivas, S. (2006a). The Anterior Visceral Endoderm—Turning Heads. *Genesis*, 44(11),

565–572. <https://doi.org/10.1002/dvg.20249>

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

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

Stower, M. J., & 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), 20130546–20130546. <https://doi.org/10.1098/rstb.2013.0546>

Strachan, T. (2011a). Genetic Manipulation of Animals. In *Human Molecular Genetics* (4th ed). Garland Science.

Strachan, T. (2011b). Genetic Mapping of Mendelian Characters. In *Human Molecular Genetics* (4th ed). Garland Science.

Strachan, T. (2011c). Identifying Human Disease Genes and Susceptibility Factors. In *Human Molecular Genetics* (4th ed). Garland Science.

Sutherland, M. J., & 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), 307–317. <https://doi.org/10.1002/ajmg.c.30228>

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

Syllabus contents. (n.d.).

[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#)

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

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

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), 627–653. <https://doi.org/10.1146/annurev-cellbio-092910-154208>

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

Ybot-Gonzalez, P., Gaston-Massuet, C., Girdler, G., Klingensmith, J., Arkell, R., Greene, N. D. E., & Copp, A. J. (2007a). Neural Plate Morphogenesis During Mouse Neurulation Is

Regulated by Antagonism of Bmp Signalling. *Development*, 134(17), 3203–3211.  
<https://doi.org/10.1242/dev.008177>

Ybot-Gonzalez, P., Gaston-Massuet, C., Girdler, G., Klingensmith, J., Arkell, R., Greene, N. D. E., & Copp, A. J. (2007b). Neural Plate Morphogenesis During Mouse Neurulation Is Regulated by Antagonism of Bmp Signalling. *Development*, 134(17), 3203–3211.  
<https://doi.org/10.1242/dev.008177>

Yoshihara, S., & 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), 10–17.  
<https://doi.org/10.1016/j.tig.2013.09.001>