

## Reading for the growth section of CTO2

This document has two sections. The first, 'clarification reading', covers material in the lectures and is intended for anyone who may feel lost/ confused by their contents. The second, 'further reading', is just that – interesting material for anyone motivated to read more, but not essential to the examinable course. I do of course encourage you to explore, but I would not want this list to be a source of stress.

**Clarification reading:** (NB – some additional references appear on the slides themselves).

The cell cycle: Pollard TD & Earnshaw WC (2002) *Cell Biology*, pp671- 748 (there may be a later edition now).

Diffusion-limited growth: Ball P (2009) *Branches*. Oxford University Press. pp27-

Gut looping: Savin T1, Kurpios NA, Shyer AE, Florescu P, Liang H, Mahadevan L, Tabin CJ. (2011) On the growth and form of the gut. *Nature*. 2011 Aug 3;476(7358):57-62

Foetal transfusion syndrome: Mosquera C1, Miller RS, Simpson LL. (2012) Twin-twin transfusion syndrome. *Semin Perinatol*. 2012 Jun;36(3):182-9 (this goes into way too much detail: I cannot find a simple version).

Limb growth, proportionality: Davies JA (2014). *Life Unfolding*. Oxford University Press, pp194-

“Evolution” of body plans by altering growth parameters (relevant to the fish practical): Thompson D. *On growth and form*. Abridged edition edited by JT Bonner, 1961, pp268-325.

Elective cell death: Davies JA (2013) *Mechanisms of Morphogenesis* (2<sup>nd</sup> Edition) pp325-

### Further reading:

Genes, growth and shape: Coen E, Rolland-Lagan AG, Matthews M, Bangham JA, Prusinkiewicz P. (2004) The genetics of geometry. i. 2004 Apr 6;101(14):4728-35.

Auocrine loops and cancer: Jiang L1, Yamashita Y, Chew SH, Akatsuka S, Ukai S, Wang S, Nagai H, Okazaki Y, Takahashi T, Toyokuni S. (2014) Connective tissue growth factor and  $\beta$ -catenin constitute an autocrine loop for activation in rat sarcomatoid mesothelioma. *J Pathol*. 2014 Aug;233(4):402-14.