

HD14 – CELL DEATH IN DEVELOPMENT

Learning Objectives:

You should be able to:

- 1) Discuss the functions of cell death in development.
- 2) Provide specific examples of the roles of cell death in development.
- 3) Discuss some of the tissue interactions that regulate developmental cell death.
- 4) Describe the basic molecular mechanisms that underlie the cell death process.

Recommended Reading:

Poelmann RE, Gittenberger-de Groot AC. *Apoptosis As An Instrument In Cardiovascular Development*.

Birth Defects Res C Embryo Today. 2005 Dec; 75(4): 305-13. Review.

Penaloza C, Lin L, Lockshin RA, Zakeri Z. *Cell Death in Development: Shaping The Embryo*.

Histochem Cell Biol. 2006 Aug;126(2):149-58. Epub 2006 Jul 1. Review.

Baehrecke EH. *How Death Shapes Life During Development*.

Nat Rev Mol Cell Biol. 2002 Oct; 3(10): 779-87. Review.

Opferman JT. *Apoptosis in the Development of the Immune System*.

Cell Death Differ. 2007 Jun 15; [Epub ahead of print]

(Note: The above four articles have been posted in the Human Development CourseWorks.)