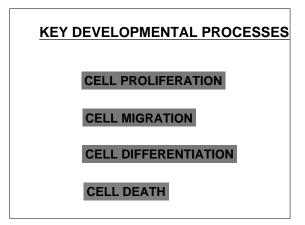


LLOYD A. GREENE

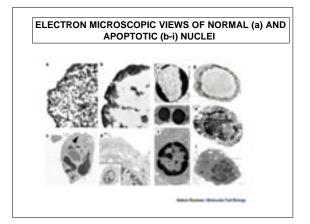
**JANUARY 31, 2005** 

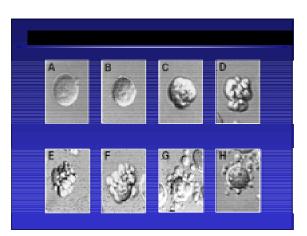


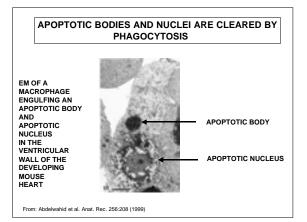
WHAT ARE THE MECHANISMS BY WHICH CELLS DIE DURING DEVELOPMENT?

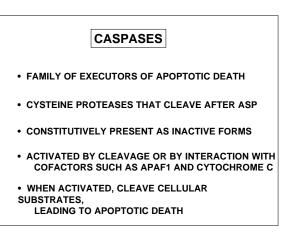
THERE ARE EVOLUTIONARILY CONSERVED MECHANISM THAT GOVERN DEVELOPMENTAL CELL DEATH

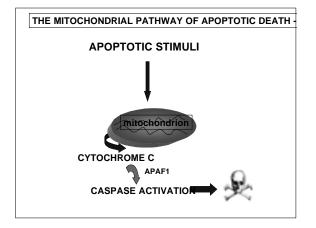
APOPTOTIC DEATH vs	NECROTIC DEATH
PRESENT IN DEVELOPING TISSUES INJURY, TOXINS	RESPONSE TO CELL
CYTOPLASMIC BLEBBING	
CELLULAR & NUCLEAR PYKNOSIS SWELLING	CELL & NUCLEAR
CHROMATIN CONDENSATION	
DNA DEGRADATION BY ENDONUCLEASES DEGRADATION (FORMATION OF DNA LADDER)	RANDOM DNA
FORMATION OF MEMBRANE-LIMITED	LOSS OF MEMBRANE
APOPTOTIC BODIES CONTENTS	& LOSS OF CYTOPLASMIC

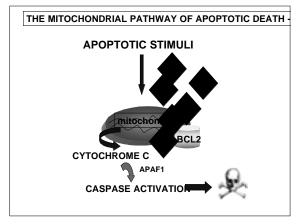




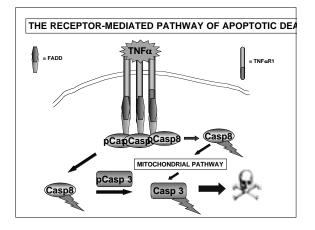


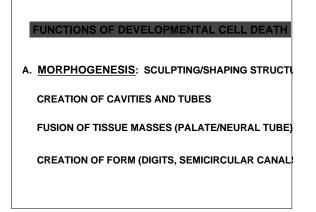


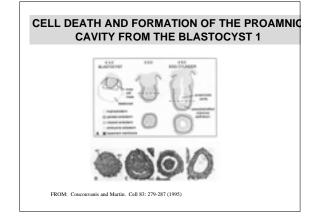


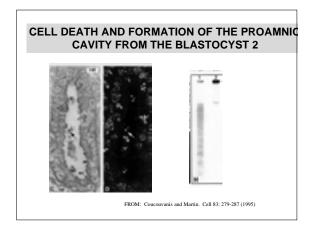


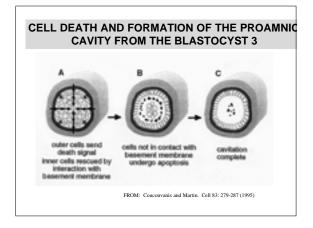
DEATH PROMOTING RECEPTORS AND LIGANDS		
LIGAND	RECEPTOR	
TNFα	TNFαR1	
FAS ligand	FAS	
TRAIL	TRAIL-R	

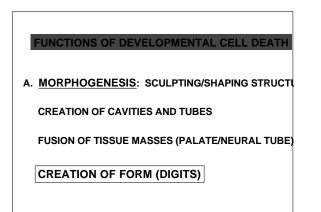


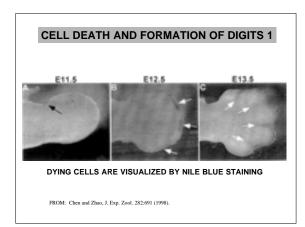


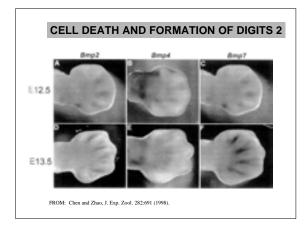


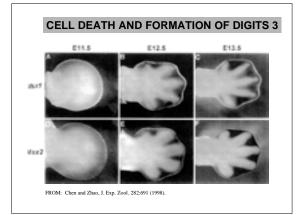


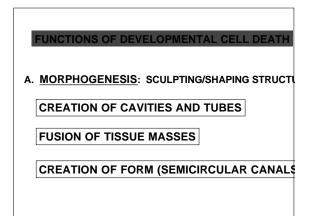


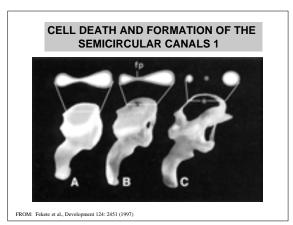


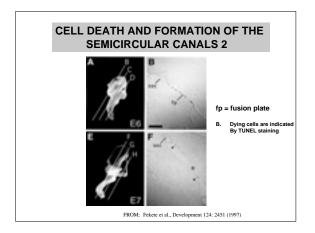


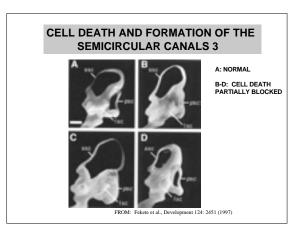


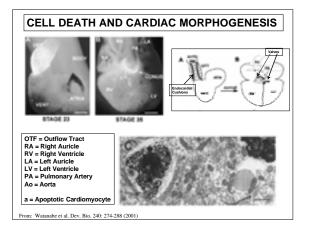


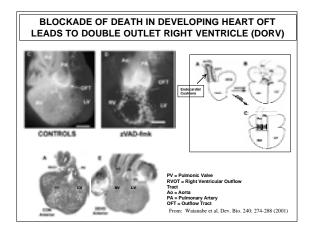


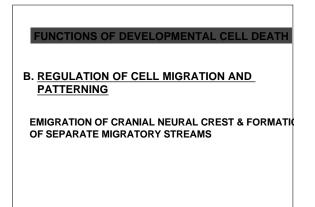


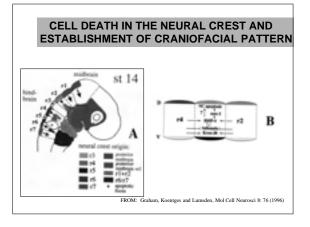












## FUNCTIONS OF DEVELOPMENTAL CELL DEATH

C. DELETION OF UNNEEDED STRUCTURES

KIDNEY: PRONEPHROS AND MESONEPHROS

BRAIN: CORTICAL SUBPLATE NEURONS

UROGENITAL SYSTEM: WOLFFIAN AND MULLE

