DEVELOPMENTAL PHYSIOLOGY I

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DEVELOPMENTAL BIOLOGY

- <u>central to all other areas of biology</u> unites cell biology, genetics and morphology
- in last 25 years grew into the most exciting and dynamic field of biology.....due to the advances in three main traditions: the experimental embryology, developmental genetics and molecular biology. All animals develop similarly, that including the worm, fly, fish or mammal.
- significant impact on society, in vitro fertilization, teratology, birth defects.
- <u>future impact</u>: functional genomics and functional proteomics, disease therapy, prenatal screening, transplantation, embryonal stem cells, therapeutic cloning.

AMAZING NATURAL SPECTACLE AND A SOURCE OF INSPIRATION FOR ALL OTHER AREAS OF BIOLOGY







