

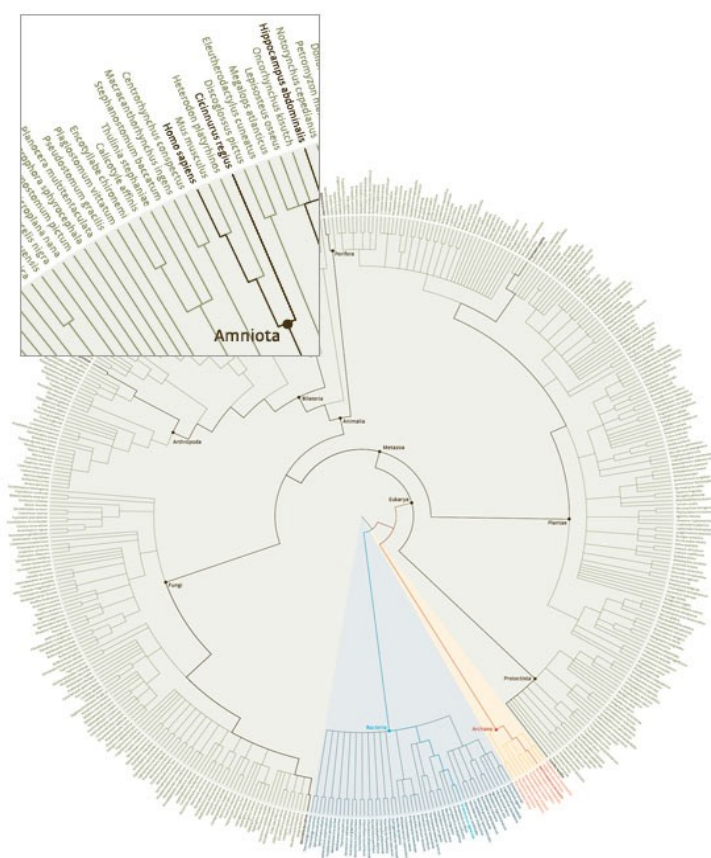
Theory /the · o · ry/

A formulated hypothesis or, loosely speaking, any hypothesis or opinion not based upon actual knowledge.

Recapitulation theory- Ontogeny recapitulates phylogeny i.e. an organism in the course of its development goes through the same successive stages (in abbreviated form) as did the species in its evolutionary development.

The project is based on Haeckel's theory, ontogeny recapitulates phylogeny, created in early 19th century. It states that as a fetus develops in the exact stages that it evolved in.

From fish to reptile to mammal. Instead of working from Haeckel's own sketches I choose to work from modern images, recreating the steps as they appear to me. The theory, which has mostly been discredited now, as the line between stages that represent a fish, a reptile, or a mammal is blurred, and development is nonlinear; but the less extreme version could still be considered truthful. Our steps in fetal development do reflect historical markers in evolution, with traits that have existed long being found in the early development. Like the spinal cord which exists in most animals form early in development.



The paintings feature an expressionistic view on fetal development of a chicken, a dolphin, and a human. Separated into three different colors, each creature is shown in three different stages from early to late development. The intention of the piece being separated into nine panels is that the panels can later be scrambled, further blurring the line between what is human and what is animal; the stages closely resembling each other.



Human Red 1 (2011)



Human Red 2 (2011)



Human Red 3 (2011)



Dolphin Blue 1 (2011)



Dolphin Blue 2 (2011)



Dolphin Blue 3 (2011)



Chicken Yellow 1 (2011)



Chicken Yellow 2 (2011)



Chicken Yellow 3 (2011)



Red Series (2011)



Blue Series (2011)



Yellow Series (2011)



Ontogeny recapitulates Phylogeny (2011)



MIX-UP (2011)

Annotated Bibliography

AMNH (2011) Tree of Life. Retrieved from

<http://www.amnh.org/exhibitions/permanent/humanorigins/past/tree.php>

It was from this site that the image on the project summery was taken to better illustrate how related homo sapiens actually are to the other organisms on this planet.

Dr. Mark Hill, USNW (2009) UNSW Embryology Carnegie Stage table. Retrieved from

<http://embryology.med.unsw.edu.au/wwwhuman/Stages/CStages.htm>

This website was used to look the different carnegie stages of human fetal development. It contains images of each of the carnegie stages, with a description of how the fetus develops in each stage. This site was used to reference three of the paintings based on the human fetal development.

Free Dictionary (2011) Theory. Retrieved from

http://medical-dictionary.thefreedictionary.com/_dict.aspxword=Ontology+recapitulates+phylogeny

Used to completely define the word theory, it also contains the full dictionary definition from the Miller-Keane Encyclopedia and Dictionary of Medicine, Nursing and Allied Health definition of the recapitulation theory other wise known as ontogeny recapitulates phylogeny; the focus of this project.

JGM Thewissen, John Heyning, Lauren Stevens, Rehan Waheed, Courtney Sherman, Janice Walas, Mary Elizabeth Filon, Denise Mc Burney (2011) Digital Library of Dolphin Development. Retrieved from <http://www.neoucom.edu/DLDD/>

Dolphin fetuses like all other animals develop in carnegie stages. This website outline stages in which dolphins develop in along with containing images of said stages with a description. The images on the site were used to reference three of the paintings from multiple stages.

MSU (2010) Mississippi Agricultural and Forestry Experiment Station. Poultry:Reproduction & Incubation. Retrieved from

http://msucare.com/poultry/reproductions/poultry_chicks_embryo.html

Chicken embryos are difficult to see because they are encased in an egg. Candling is a

method that is used to see the embryo contained within the egg. By shining a high strength light behind the egg the embryo's image becomes visible. The first website above describes the development. The video's listed below are eggs actually being candled which were used as source images in the paintings.

Coenzyme (2006) YouTube, 9 Day old Chick Embryo. Retrieved from

<http://www.youtube.com/watch?v=Tjeq58oLdVk&feature=related>

Extracrispy75 (2008) YouTube, Chicken Embryo in Reverse. Retrieved from

<http://www.youtube.com/watch?v=mk0d115JiXY&feature=related>

Nnelson63912 (2008) YouTube, Chicken Embryo 96 hrs. Retrieved from

<http://www.youtube.com/watch?v=OszIdFeExEQ&feature=related>

New World Encyclopedia (2008) Ernst Haeckel. Retrieved from

http://www.newworldencyclopedia.org/entry/Ernst_Haeckel

Used to inform on the creator and the idea this website was used to understand the basics of Haeckel's life and his theory. With the hope a better understanding Haeckel's work would provide a better context to the idea behind the work. It also clearly explained some of the ideas behind why it is not a widely excepted theory.