



2<sup>nd</sup>  
class

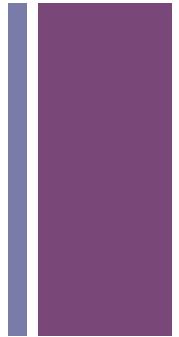


Counseling Children

Dr. Esther Park



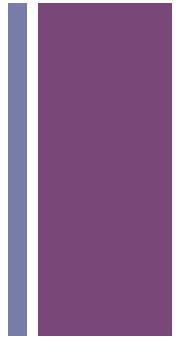
## Review of Last Class



- Overview of Syllabus: Goals, Textbook, Course Assignment, Your Grade
- Activity: Drawing Fish Family in a Fish Tank
- Any Comments?
- Any Questions?



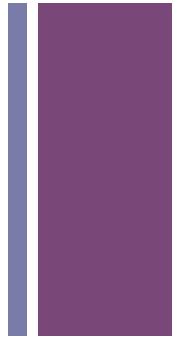
## Thoughts on Fish Family



- Tells a lot about yourself
- Do it individually vs in a group setting
- Something to explore: How you are formed in your personality, identity, certain behavioral characteristics, taste, habit,



## From Transaction Analysis Theory



- Child
- Adult
- Parents

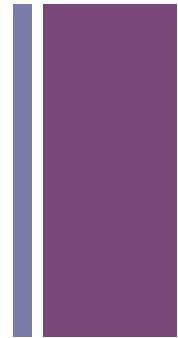


## Before Birth—Prenatal Environment

- Genetics + Environment of your birth
- DNA from both M and F
- Environment:
- Example: --the baby leaped in joy....
- Elizabeth's (John the Baptist's mother);
- Mary's (mother of Jesus Christ) song in Luke 1: 46 -



## Perspective from Neuroscience



- MIT Professor, Dr. Sebastian Seung
- <http://connectomethebook.com/>
- [Sebastian Seung: I am my connectome | Video on TED.com](#)
- <http://www.openconnectomeproject.org/>
- <http://www.humanconnectomeproject.org/gallery/>

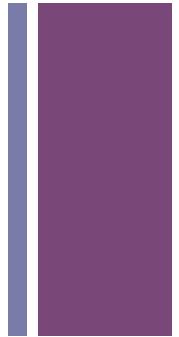


## From Neuroscience

- If mapping the **human genome** was one route to identity, another lies in charting the brain's circuitry.
- **Connectome:** The project of tracing the connections among neurons and synapses that compose each brain's unique wiring, a project that, if successful, could reveal new information about personality, memory, and disorders such as autism and schizophrenia.



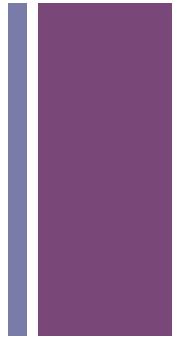
## Brain Forest



- No road, no trail can penetrate this forest. The long and delicate branches of its trees lie everywhere, choking space with their exuberant growth. No sunbeam can fly a path tortuous enough to navigate the narrow spaces between these entangled branches. All the trees of this dark forest grew from **100 billion seeds** planted together. And, all in one day, every tree is destined to die.
- [http://connectomethebook.com/?page\\_id=58#all](http://connectomethebook.com/?page_id=58#all)



## Needs of Children



- Example
- Attention
- Affection
- Support

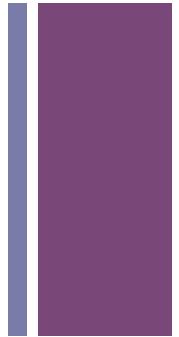


## More about Brain in Emotional Functioning =

- Emotional Quotient==EQ
- Intelligence Quotient==IQ
- Adversity Quotient==AQ
- See the handout



## Infant's Needs and Tasks



- See the handout

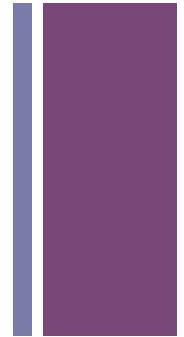


## Goals of Counseling/Therapy in a Neuroscience Language

- **Reweighting** means changes in the strengths of synapses.
- **Reconnection** is the creation and elimination of synapses.
- **Rewiring** is the creation and elimination of neural branches.
- **Regeneration** is the creation and elimination of neurons.
- See more at: [http://connectomethebook.com/?page\\_id=1260#sthash.c9vImUx6.dpuf](http://connectomethebook.com/?page_id=1260#sthash.c9vImUx6.dpuf)



Review Today's Class



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# Next Class

