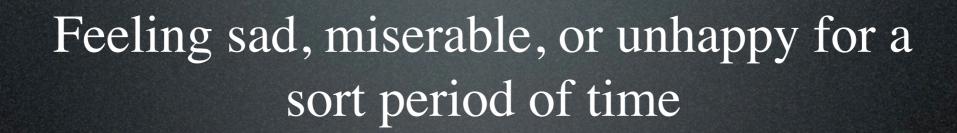
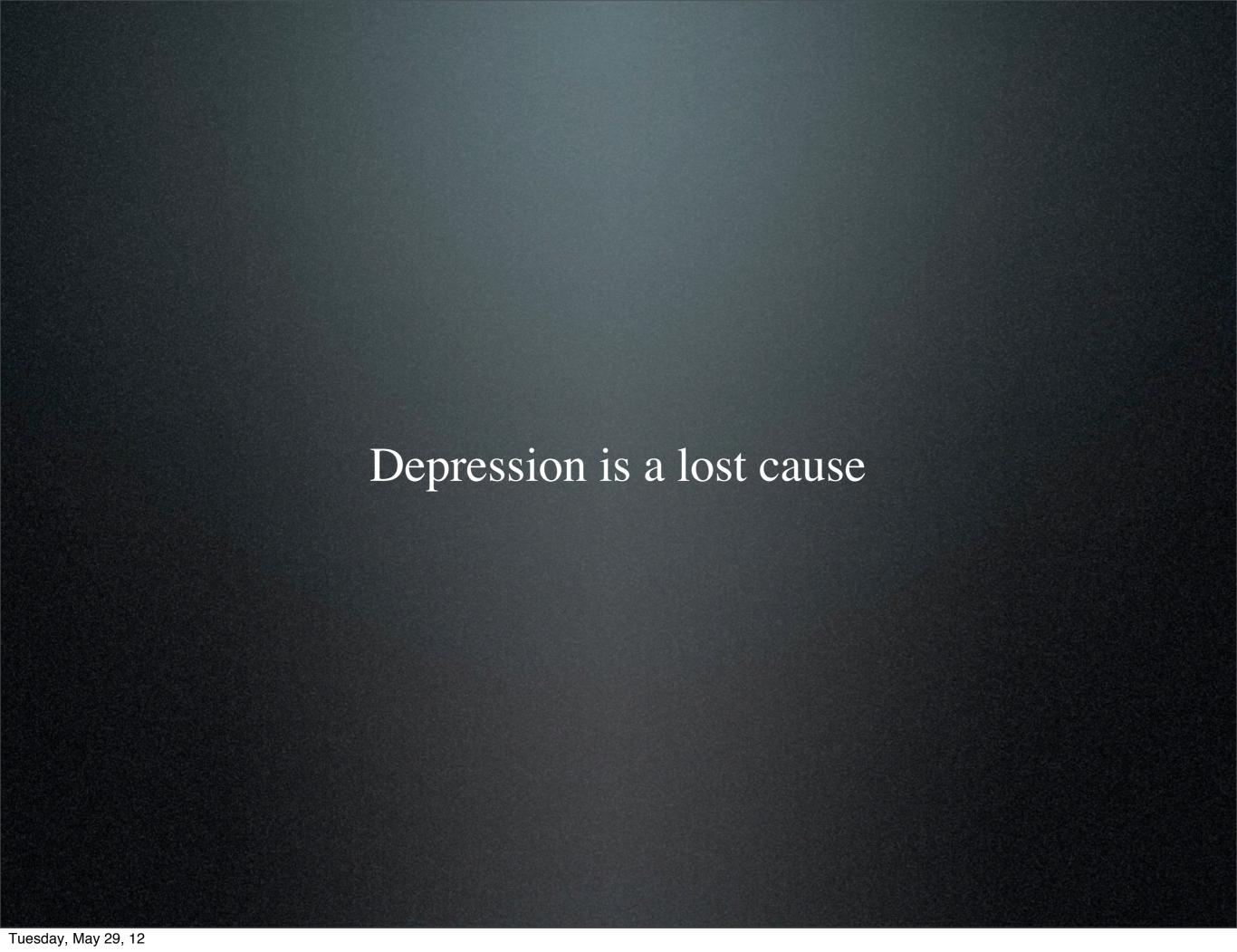


- What exactly is Depression and its evolution to treatment
 - Chemical changes of Depression
- Anything that the public isn't aware of that we don't hear about everyday

What Exactly is Depression and its Evolution to Treatment



True clinical disorder where you feel sadness, loss, anger and frustration effects you from your everyday life.



Scientists say: "Caused by chemical changes in brain"

I respond: "What chemical changes and why does this happen and cause Depression specifically?"

Maybe due to problems within your genes, or triggered by stressful events that have happened.

Depression can run in the family but also if you have no family history of illness

Playing Roles In Depression?

- Alcohol abuse
- Drug abuse
- Cancer..anything long-term
- Steroids
- Sleeping problems
- Life events:
 - A break up
 - Failing a class
 - Death or illness of someone close to you
 - Divorce
 - Childhood abuse
 - Neglect
 - Job loss
 - Social isolation

People who are depressed see things with a more than usual negative attitude and not being able to see a situation solved

Symptoms

- •Restlessness, irritability, agony
- •Dramatic changes in appetite, weight loss or gain
- •Difficulty concentrating
- •Fatigue or lack of energy
- •Feeling hopeless or helplessness
- •Feeling worthless, self-hate, guilt
- •Anti-social
- •Loss of interest or pleasure in activities that once enjoyed
- •Thoughts of death or suicide
- •Trouble sleeping or a lot of sleeping

Treatment

• Medications called antidepressants Talk therapy, called psychotherapy

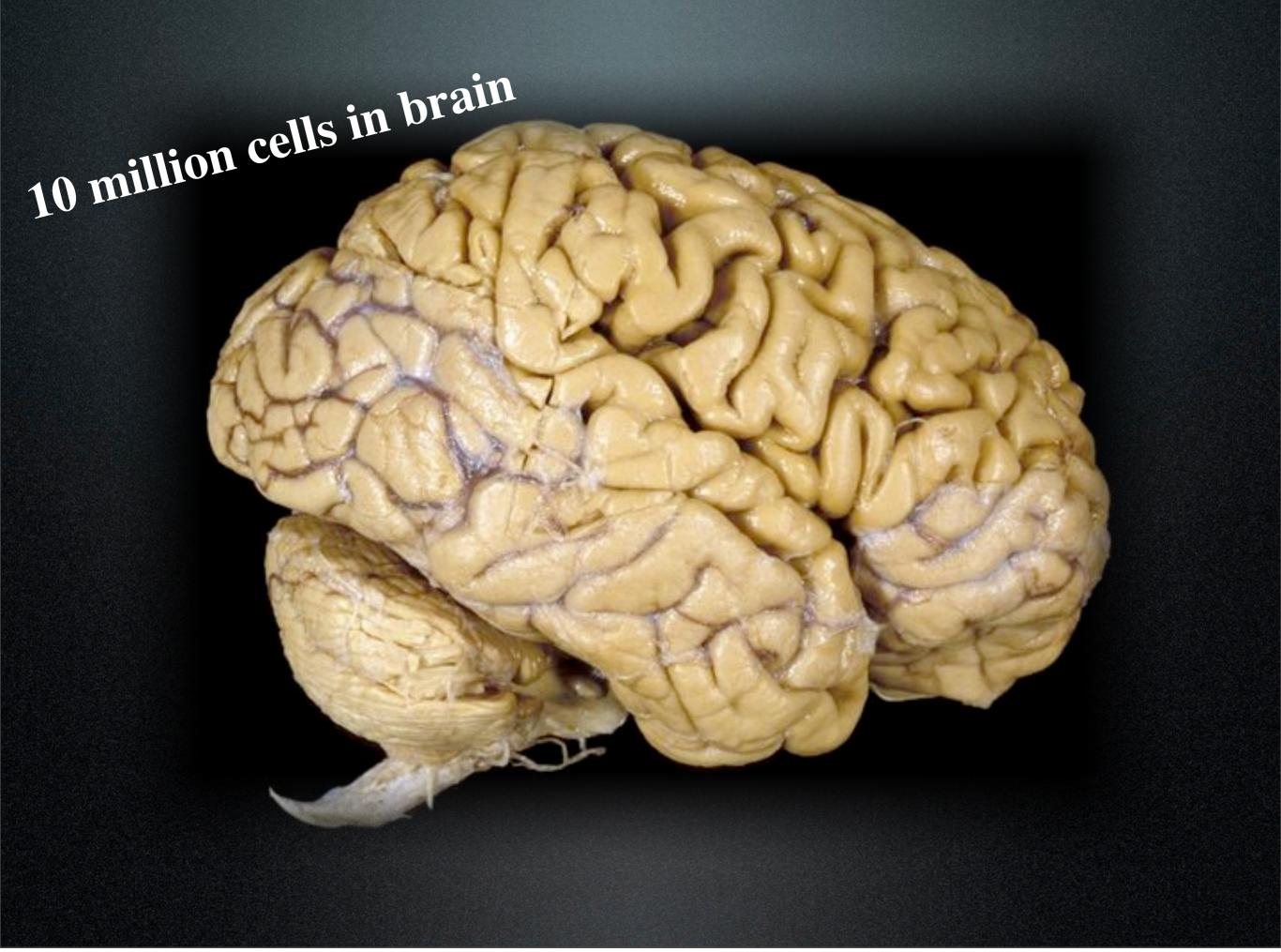
Prevention

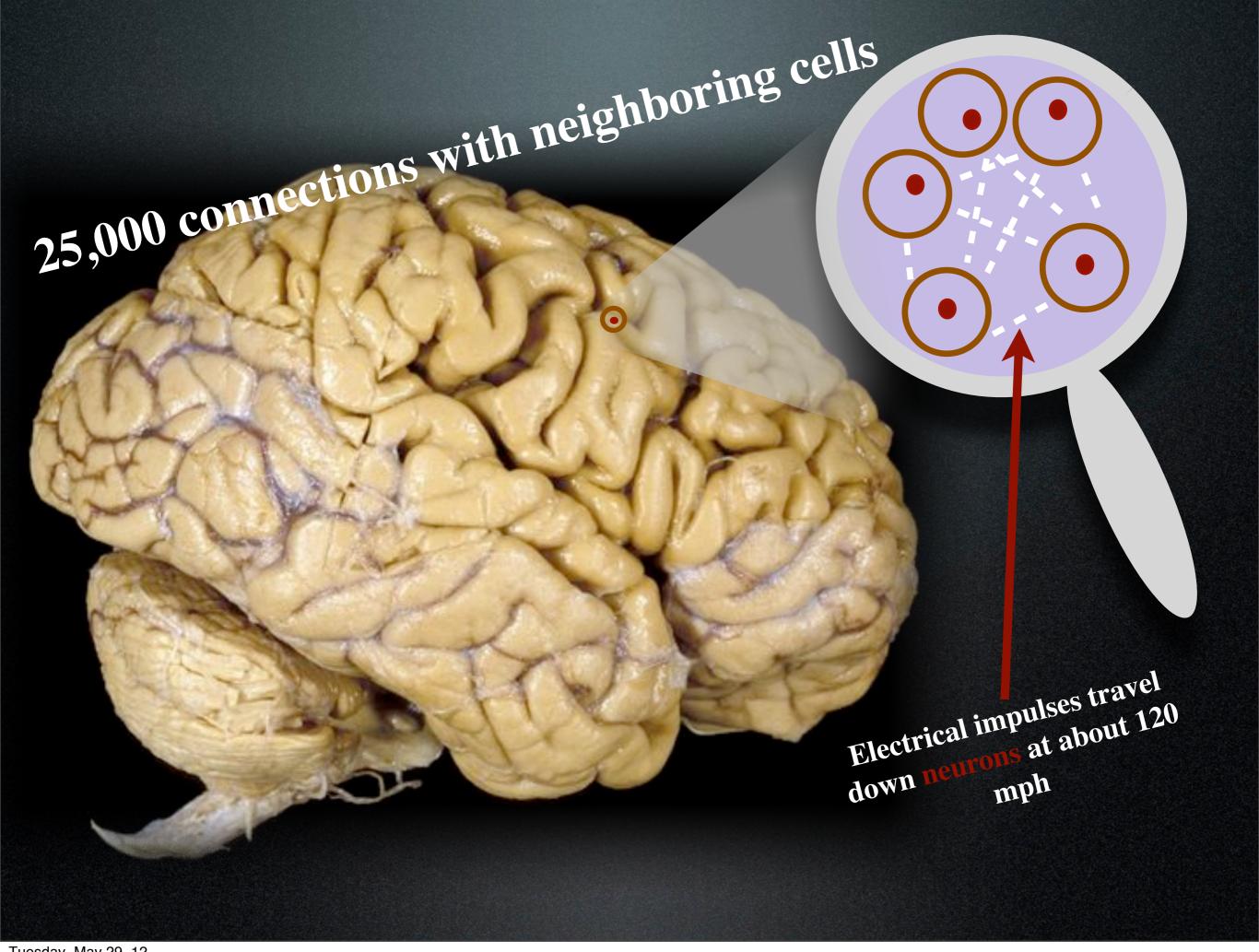
- •More exercise
- •Good persistent sleeping habits
- •Find activities that brings you pleasure
- •Involve yourself in group activities
- •Talk to someone you trust about your feelings
- •Surround yourself with positive people

√ What exactly is Depression and its evolution to treatment

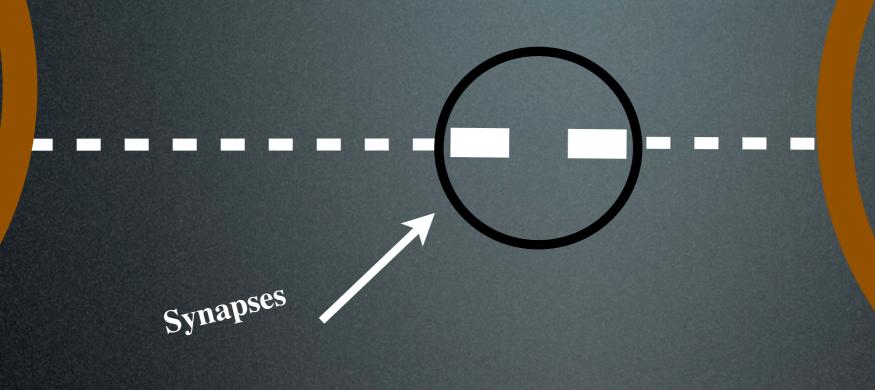
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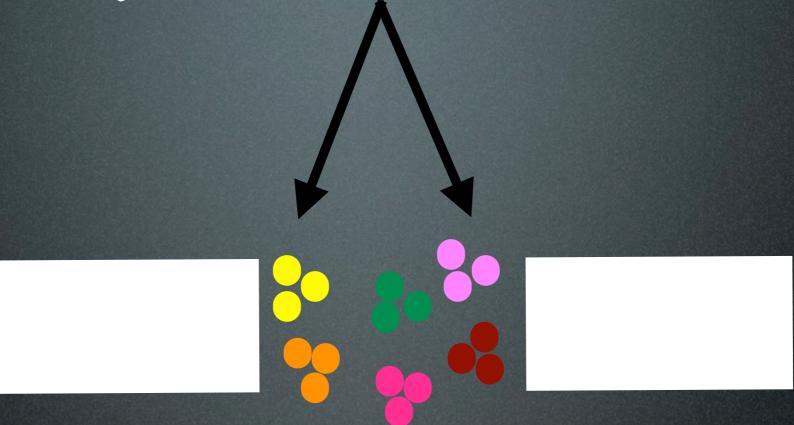




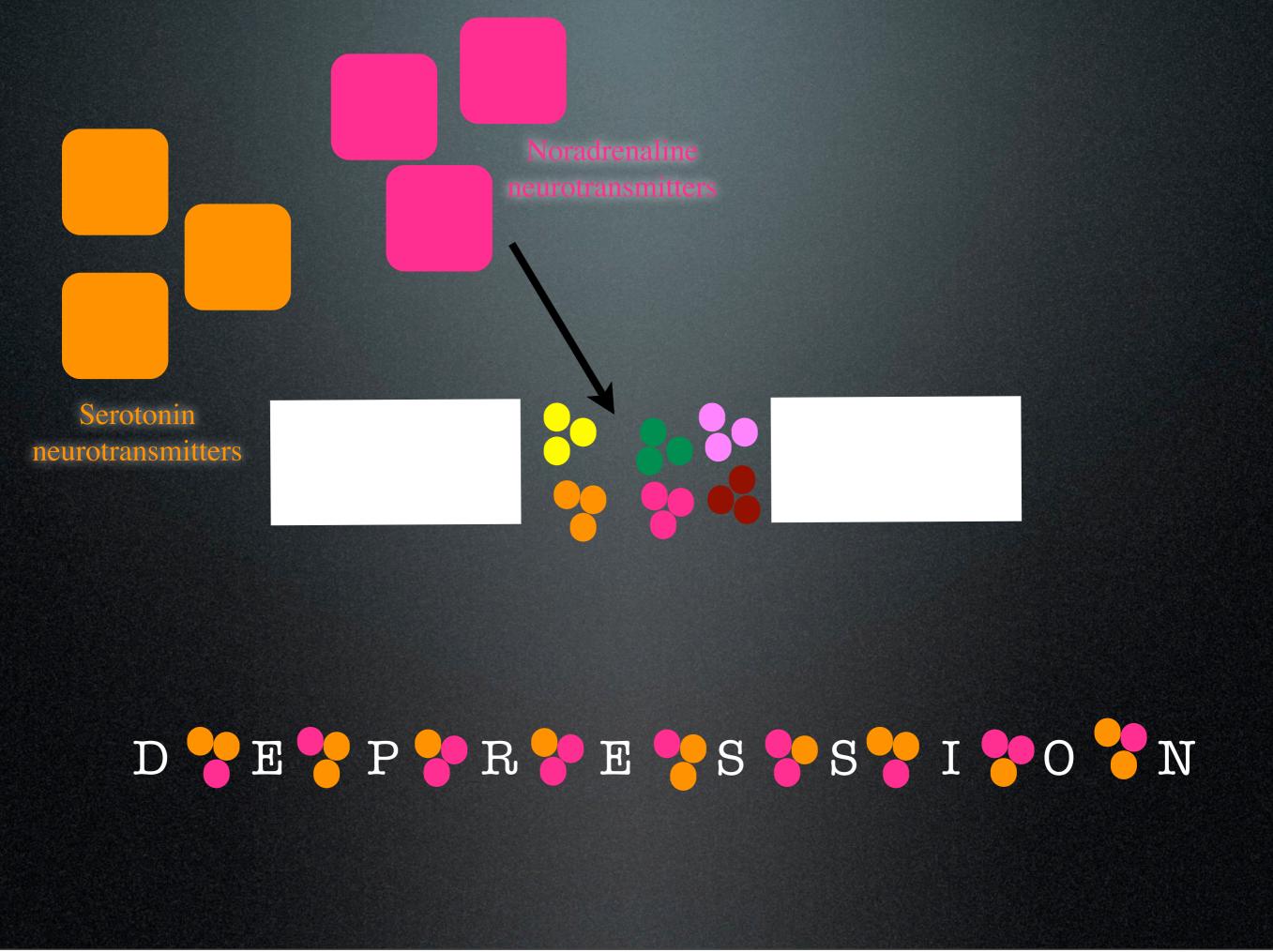


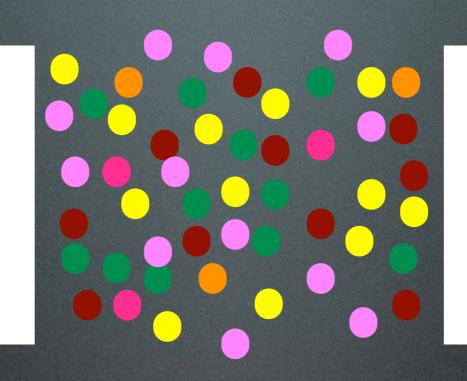
Thank you Synapses for electricity activity and for allowing the brain functioning to be controlled.

Enzymes called Neurotransmitters

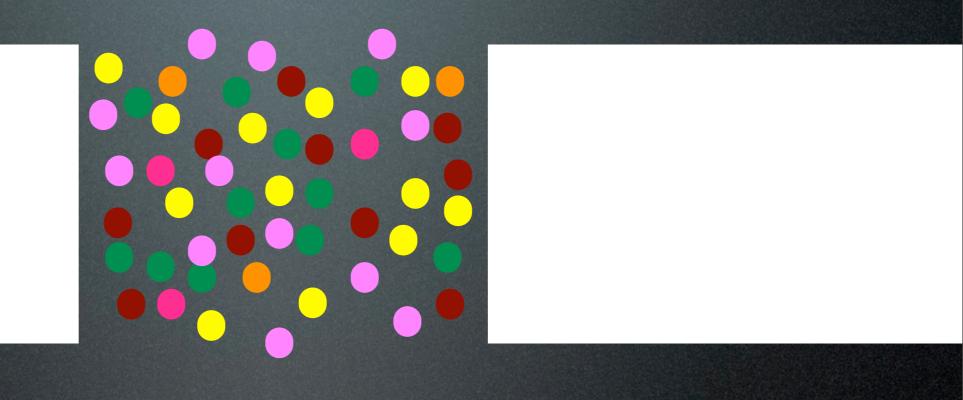


Neurotransmitters must come into play for a message to cross one neuron, across the other synapses and to the next neuron. Each group of neurotransmitters are for a specific brain cell





From observing this simulation of neurotransmitters, the assumed cause of low moods, low energy, slow drive (symptoms of Depression) is because of?



Lack of Serotonin and Noradrenaline

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Doctors believe that Depression is a deficiency in low levels of brain chemicals.

Diabetes --> caused by insufficient insulin

• •

Depression --> insufficient production of serotonin or Noradrenaline

Therefore it can be inherited

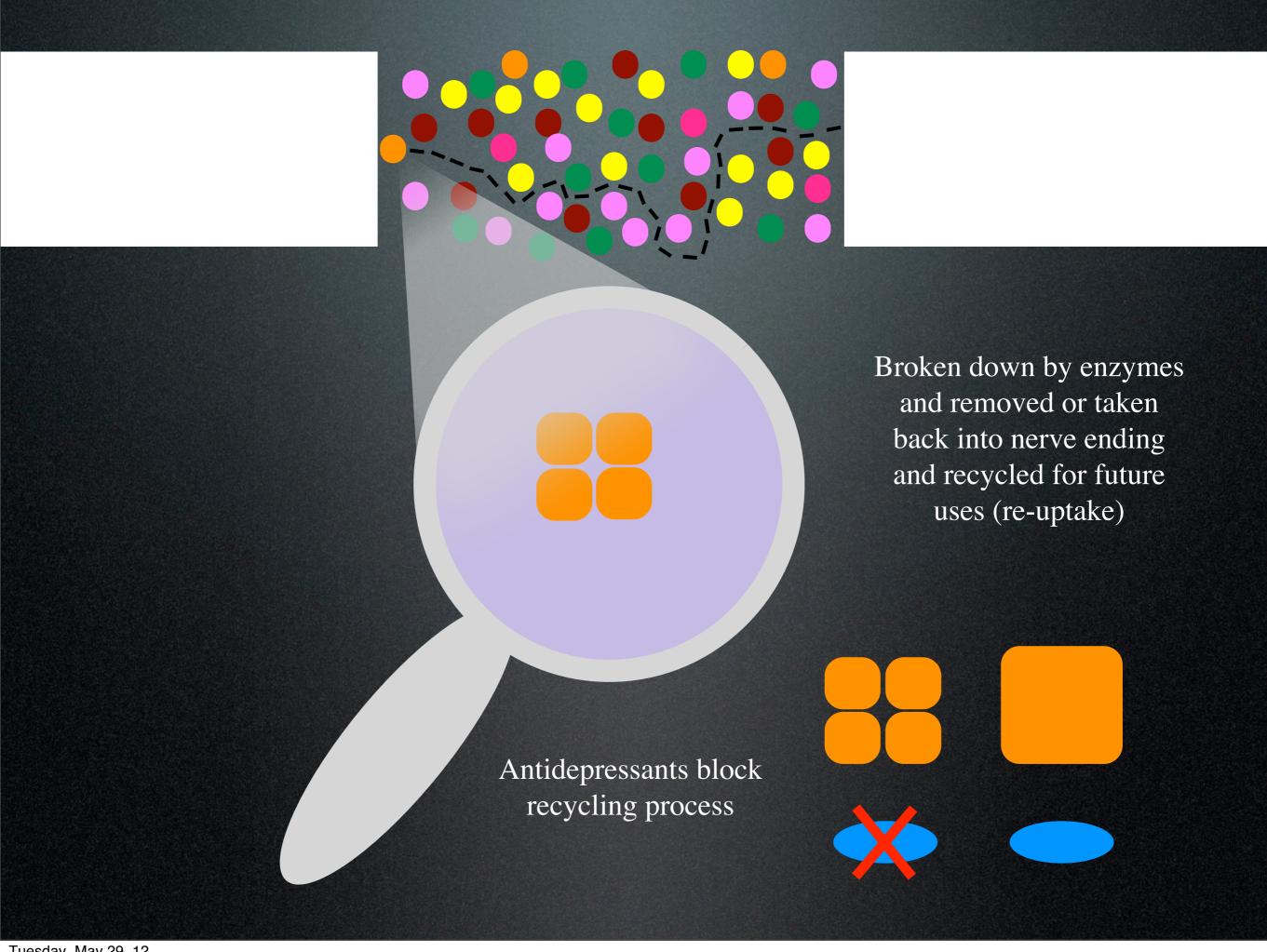
Environment

Nutrition

Since stress or hormonal changes can affect neurotransmitter levels, doctors assume that Depression is all a biological disease that depends on the deficiency production of neurotransmitters.

Lifestyle

Life Experience



√ What exactly is Depression and its evolution to treatment

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