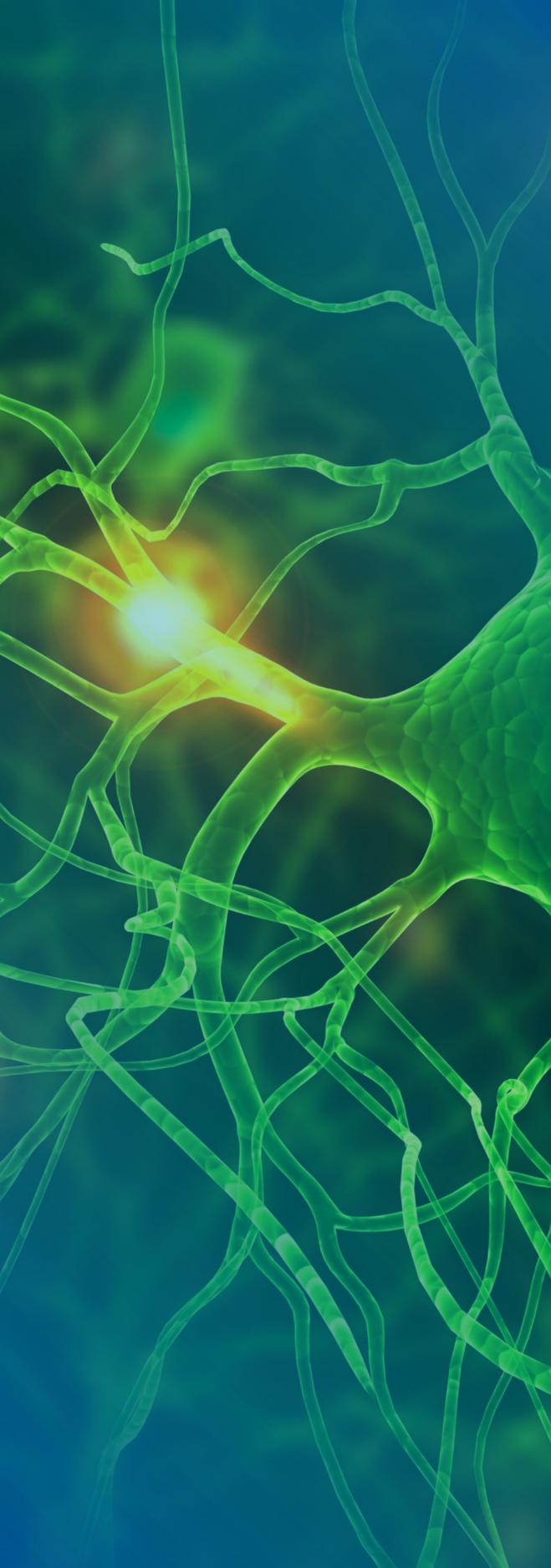




**OPERATION  
PREVENTION**

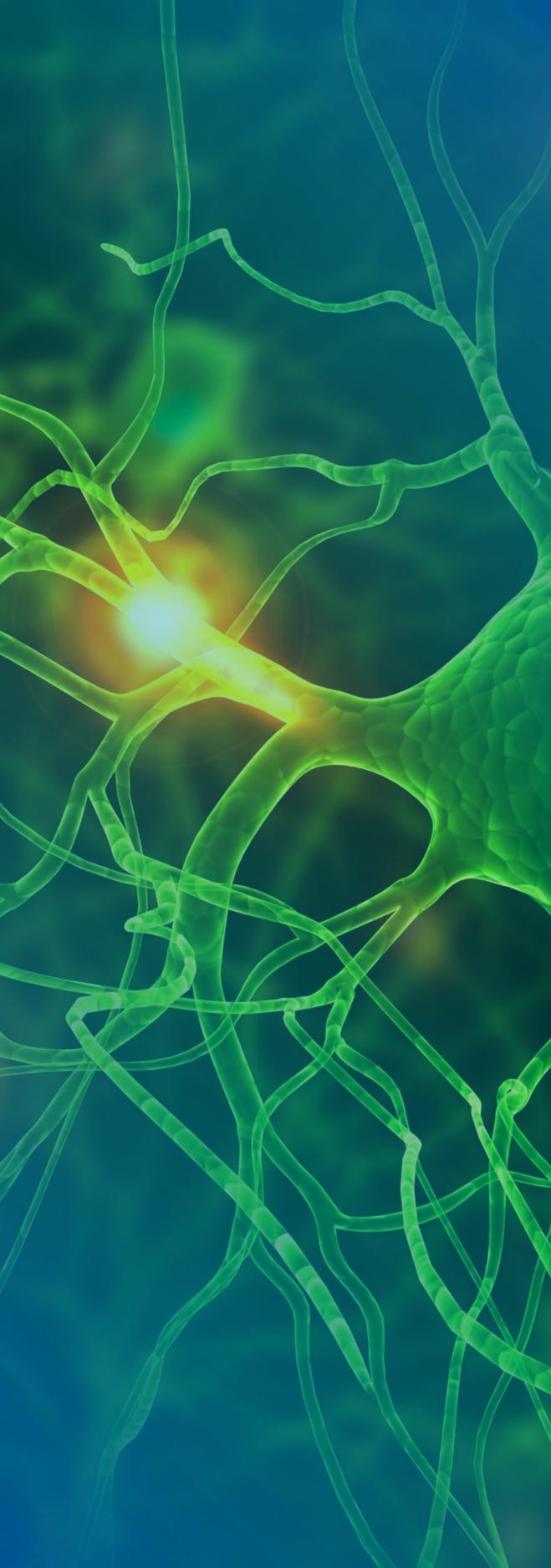
**NEW Counterfeit Drugs Module  
and other DEA Resources**



**Catie Drew, M.A.T.**  
**Senior Prevention  
Program Manager  
Drug Enforcement Administration**

**[Cathleen.R.Drew@dea.gov](mailto:Cathleen.R.Drew@dea.gov)**





# OPERATION PREVENTION

[www.OperationPrevention.com](http://www.OperationPrevention.com)

# The Partnership



- A partnership between DEA and Discovery Education
- Content from NIDA and SAMHSA
- No cost

# Drug Misuse Prevention Resources

- Digital Lesson Bundles (Elementary, Middle, High School)
- Virtual Field Trip Series
- Student Videos
- Self-Paced e-learning Module\*
- Parent Resource Toolkit\*
- Educator Webinar (On-Demand)
- Workplace Module

\*offered in English and Spanish

**OPERATION  
PREVENTION**

The logo for Operation Prevention features the words "OPERATION" and "PREVENTION" stacked vertically in a bold, dark blue, sans-serif font. The letter "O" in "PREVENTION" is replaced by a stylized capsule, which is red on top and white on the bottom.

# Digital Lessons – Opioid Misuse

## Elementary School

### LESSON



### INTERDISCIPLINARY ACTIVITY



### INTERDISCIPLINARY ACTIVITY



### Proactive Prevention

Over-the-Counter and Prescription Medications: How do medications work in our bodies, and why is it so important to use them responsibly? Follow medication on a path through the body to investigate how they make us feel better with responsible use.

- [Download Digital Lesson](#)
- [Download Educator Guide](#)

### Malachi's Medication

In this activity, students will identify and explain the dosage instructions included on a prescription label and conduct an experiment to understand the importance of accurately measuring medication dosage.

- [Download Activity](#)

## High School

### LESSON



### LESSON



### Reporting on a Public Health Crisis: Opioids in the Community

Students will investigate how the opioid epidemic affects their community acting as investigative reporters to investigate the who, what, when, where, why, and how of opioid use and misuse.

- [Download Digital Lesson](#)
- [Download Educator Guide](#)

## Middle School

### LESSON



Updated

### Our Brain and Body on Opioids

How do addiction and withdrawal affect the body's many systems? Students examine how drug use alters the mind and body and reinforces their understanding by creating a peer-to-peer social media campaign.

- [Download Digital Lesson](#)
- [Download Educator Guide](#)

### LESSON



Updated

### Is our Community Influenced by the Opioid Epidemic?

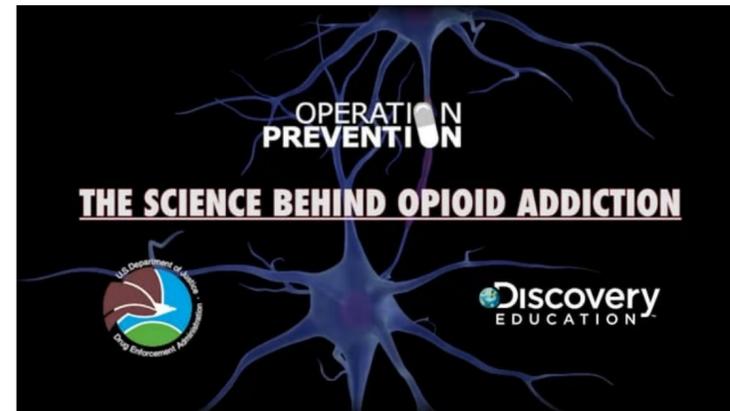
Students will examine why people turn to opioids and act as investigative reporters to consider the who, what, when, where, why, and how of opioid use and misuse.

- [Download Digital Lesson](#)
- [Download Educator Guide](#)

# Grades 3 -12

# Virtual Field Trips

## The Science Behind Opioid Addiction



<b>Full Length</b>	<b>47 minutes</b>
Intro	03:51
A Special Agent's Take	05:28
Chemistry	05:58
Neuroscience	08:14
Brain Functions	04:10
Personal Experiences	11:09
Moving Forward	04:52

## On the Frontlines: A Community Fighting Back



<b>Full Length</b>	<b>44 minutes</b>
Intro	00:00
The Problem	02:22
Haley's Story	09:26
Pretera Center	18:06
School Prevention	25:25
Leading the Way	37:03

## Opioids: Real People. Real Stories. Real Science



<b>Full Length</b>	<b>33 minutes</b>
Donna's Story	05:33
Levi & Lyle's Story	09:43
Angie's Story	06:45
Carl's Story	11:27

**Grades 6 -12**

# Student Videos

Grades 9 -12



## Competition Archives

Check out the finalists and winners from previous years' Video Challenges! These incredible videos were selected from hundreds of entries for their creativity and impactful messages about the dangers of prescription opioid misuse and heroin use. Congratulations to the winners and finalists.

**2019** 2018 2017



**GRAND PRIZE AND PEOPLE'S CHOICE WINNER**

**2019**

Dalton S., Jackson H., Yanelly L.,  
Brian W. in Manchester, TN



**2ND PLACE**

**2019**

Aria K. in Worcester, MA



**3RD PLACE**

**2019**

Jake S. in Cody, WY



**FINALIST**

**2019**

Sebastian N. in Middletown, CT



**FINALIST**

**2019**

Olivia H. in Darien, GA



**FINALIST**

**2019**

Mia L., Ava L. in Blacksburg, VA

# Self-Paced Module

OPERATION PREVENTION The Science of Addiction The Stories of Teens

Introduction  
What is an Opioid

**What is an Opioid**  
and how does it affect your body?

BACK

OPERATION PREVENTION The Science of Addiction The Stories of Teens

Welcome  
Review

Question 1 of 3

How do prescription opioids act on the body to relieve pain? Select the correct answer.

A. By relaxing muscles to reduce stress on joints and bones

B. By blocking pain receptors in the brain

C. By encouraging damaged cells to heal more quickly

D. By numbing

**Correct**  
Opioids bind to receptors in nerve cells and block the sensation of pain.

BACK NEXT

OPERATION PREVENTION The Science of Addiction The Stories of Teens

Stefon's Story  
A Look Inside the Body

Click on the hot spots to learn about endorphins and how they are related to the effects of opioids.

Opioids imitate some effects of endorphins, but they aren't exactly the same. Opioids produce even more dopamine and a stronger "rush" of positive feelings than endorphins do.

BACK

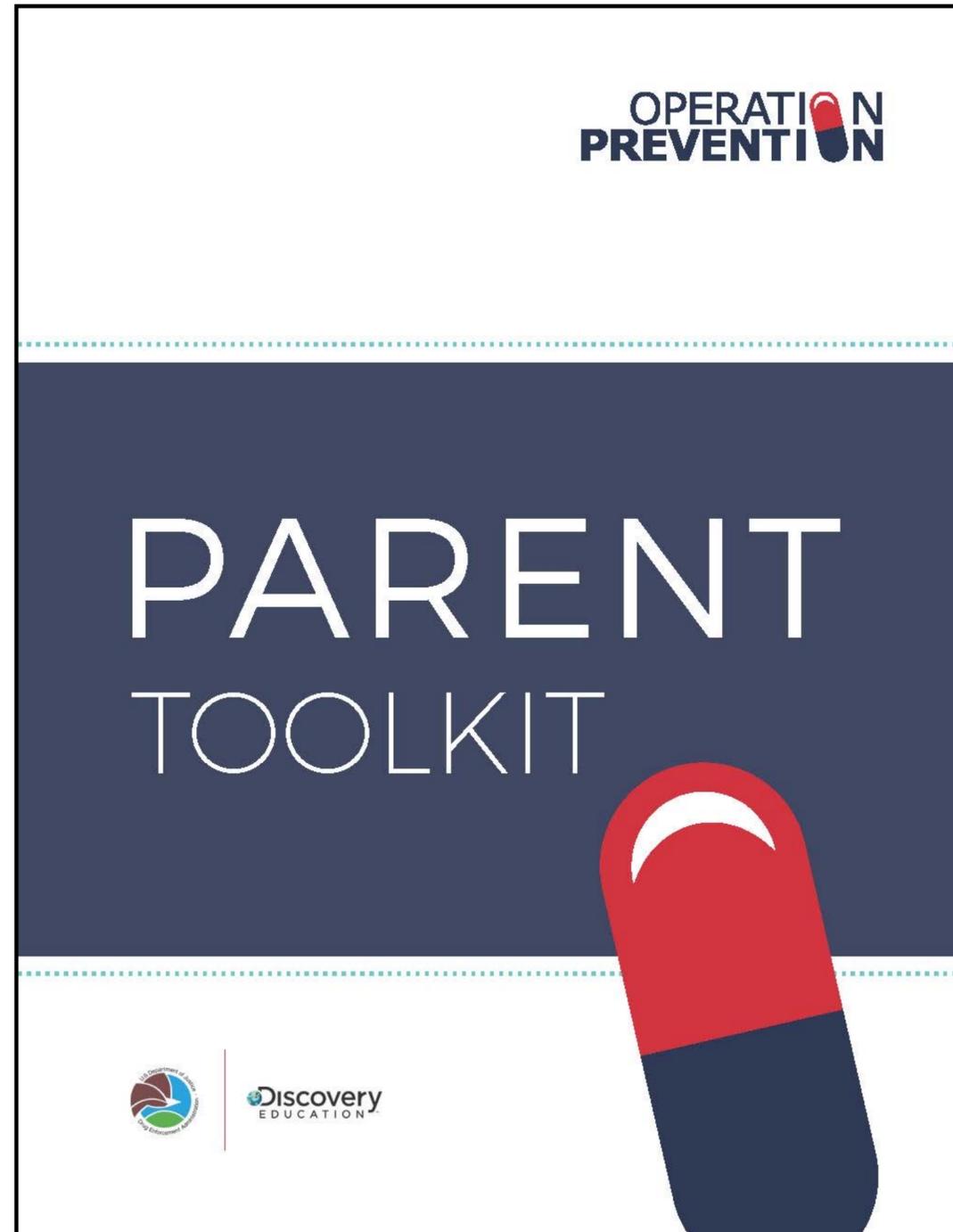
Select all 6 numbers before continuing. Status: 4/6

NEXT

- Follows the stories of three teens –Stefon, Haley, and Mia
- Students learn the science behind what happens to the brain and body
- Explores the cycle of addiction
- Debunks misconceptions
- Available in Spanish

Grades 6 -12

# Parent Tool Kit



**PDF resource available for download from website**

- Signs and effects of opioid misuse
- Discussion points
- Role-playing guides
- Myths and misconceptions
- Refusal techniques
- Available in Spanish

For hard copies email: [Community.Outreach@dea.gov](mailto:Community.Outreach@dea.gov)

# Multi-Drug Misuse Prevention Resources

- Grades 3-8
- Video Topic series
- Topic Series Activities
- Educator Guide



- Depressants



- Hallucinogens



- Inhalants



- Marijuana



- Stimulants



- Steroids

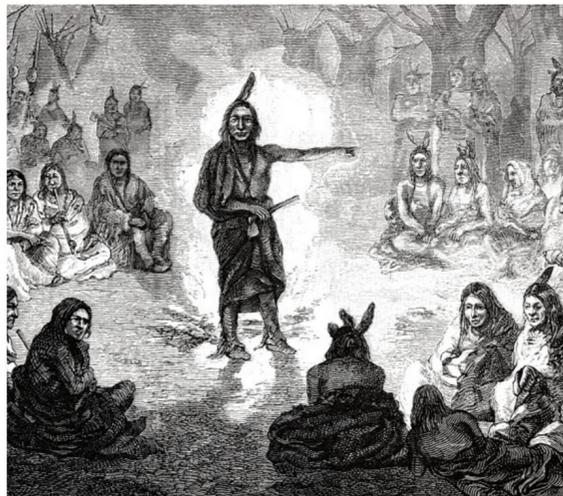
# Good Medicine Bundle

## Culture-Based Resources



- Digital Lessons
- Classroom Activities
- Master Class Video Series to Guide Implementation

### Traditional Talking Circle



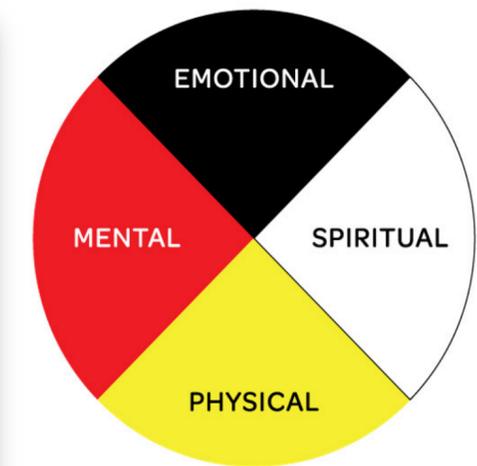
#### Sharing Time:

- Why is it easier to stop emotion when it is little when it is big?
- How can a "firestorm" cause people to make decisions?
- How can talking about be helpful?

### Storytelling: Maintaining Balance and Harmony in Our Communities



### Storytelling: Connecting the Four Directions



Grades 3-8

# Gratitude Activity

## RESPOND TO THE READING

*How can being grateful change your body and mind?*

*How can this information help you be a better friend to you classmates or others in your community?*

## SELF-REFLECTION

*Look back at the list of benefits of gratitude. Which of these benefits could be helpful for you?*

*Think of two actions or thoughts that you could do that will help you feel and show gratitude.*

# The Workplace Module

Adults

## Module 1

The Opioid Epidemic

## Module 2

The Science of Opioids

## Module 3

The Reality of Opioids

## Module 4

The Power of Prevention

**MODULE 1**  
ADDICTION SCIENCE  
**The Opioid Epidemic**  
*Workplace*  
15 minutes  
Learn the basics of what opioids are, while discovering the origins of the epidemic and how it has evolved. Employees will gain perspective into how the opioid epidemic affects people on a personal level.  
[Begin Module 1](#)

**MODULE 2**  
BRAIN AND BODY  
**The Science of Opioids**  
*Workplace*  
15 minutes  
Explore the science of opioids, including their impacts on the brain/body, plus practical ways of preventing dependency. Employees will get an idea of what it feels like to physically experience the science of opioids.  
[Begin Module 2](#)

**MODULE 3**  
STRATEGIES AND AVAILABLE TREATMENTS  
**The Reality of Opioids**  
*Workplace*

**MODULE 4**  
PREVENTION FOR INDIVIDUALS AND COMMUNITIES  
**The Power of Prevention**  
*Workplace*



# Counterfeit Drugs Module

## Fake Pills and Fentanyl

OPERATION  
PREVENTION  
Counterfeit Drugs



LIFE-SAVING RESOURCES  
FOR TEENS



LEARN MORE

OPERATION  
PREVENTION  
Counterfeit Drugs



LIFE-SAVING RESOURCES  
FOR TEENS



LEARN MORE

OPERATION  
PREVENTION  
Counterfeit Drugs



LIFE-SAVING RESOURCES  
FOR TEENS

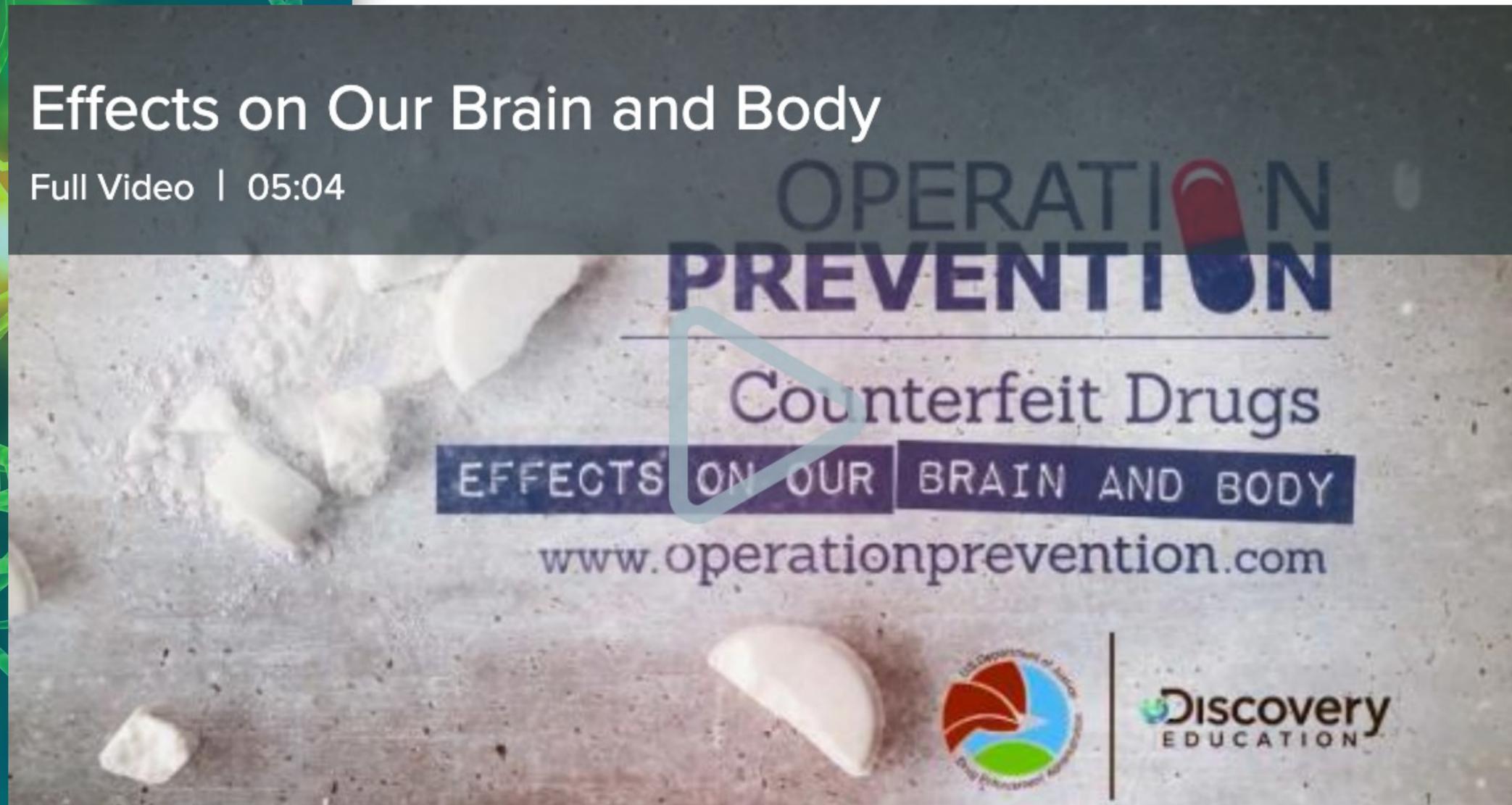


LEARN MORE

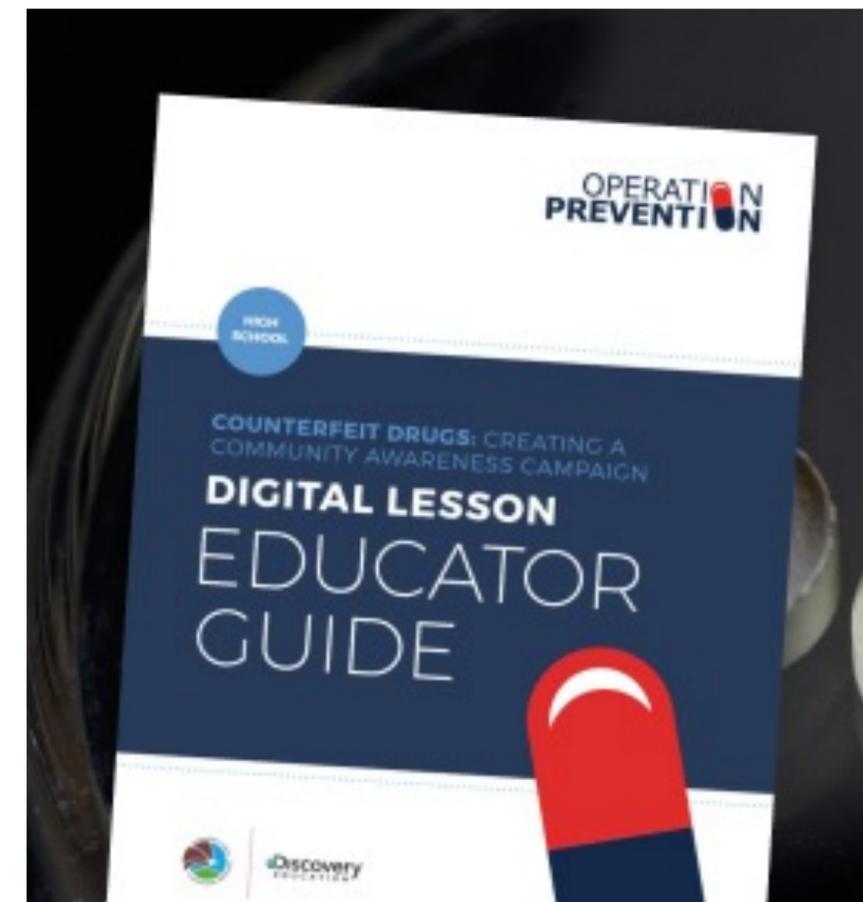
# Video Topic Series

## Effects on Our Brain and Body

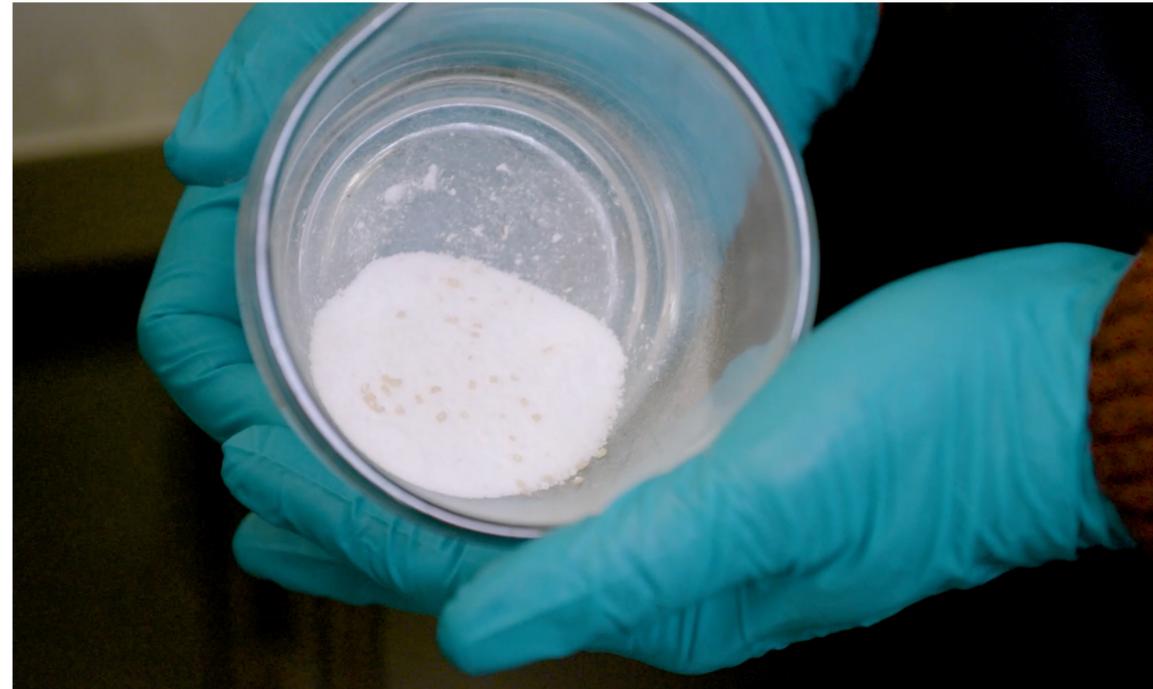
Full Video | 05:04



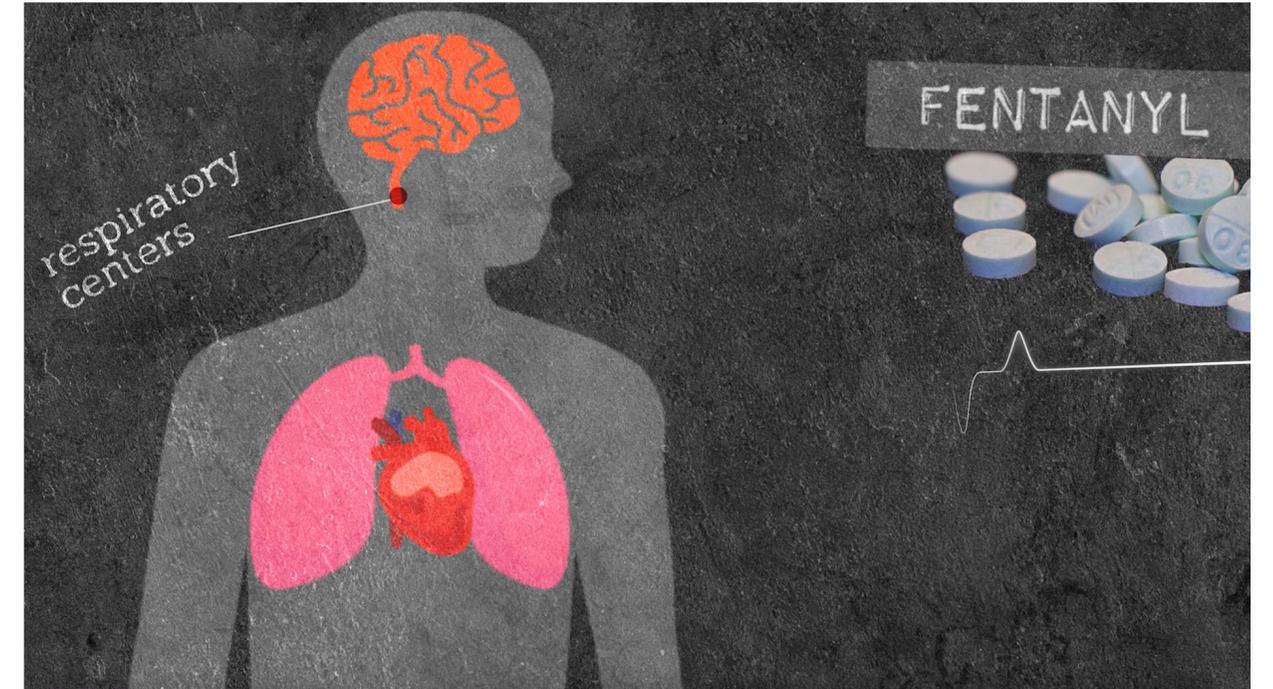
# Digital Lesson Bundle



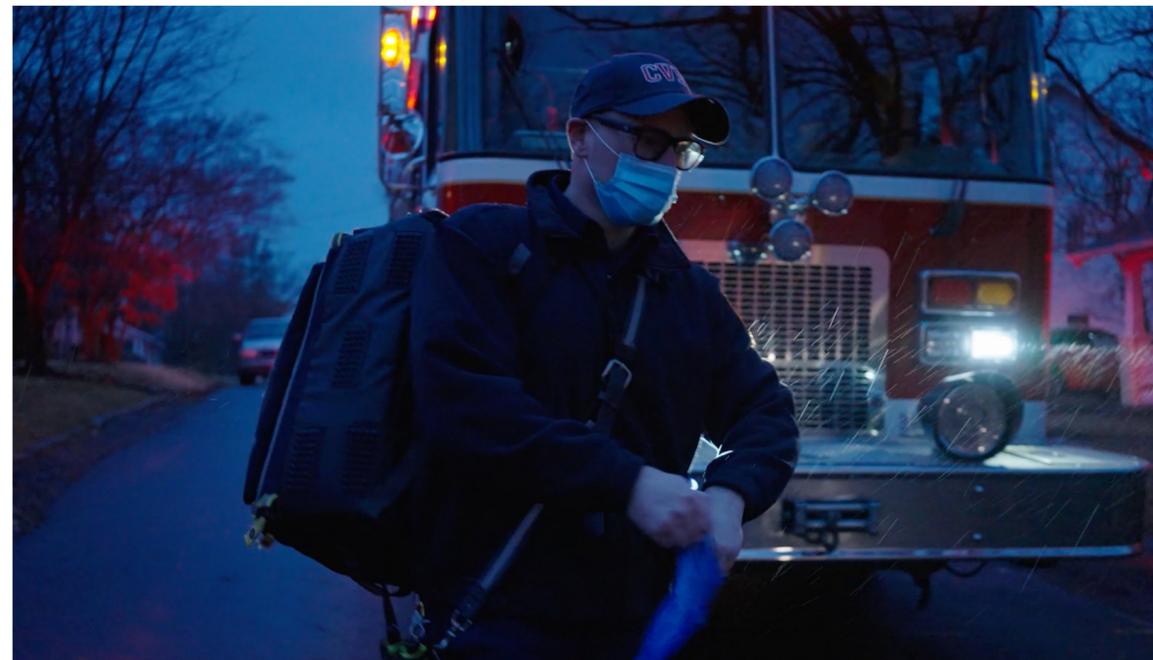
# Video Topic Series



1. Identifying Counterfeits



2. Effects on our Brain and Body



3. Community Impact



4. Cultural Solutions

# 1. Identifying Counterfeits video



An up-close look at how experts analyze counterfeit pills to determine their composition.

# 1. Identifying Counterfeits Activity

Task 2: These emojis are code for...	
	EMOJI ALIAS?
	EMOJI ALIAS?
	

## CAPTURE SHEET 1: DECIPHERING DRUG DECEPTION

### Task 1: Can you spot the fake?

Study each of the images and label the pill you think is LEGIT and which one you think is COUNTERFEIT!

PILL 1: OXYCODONE

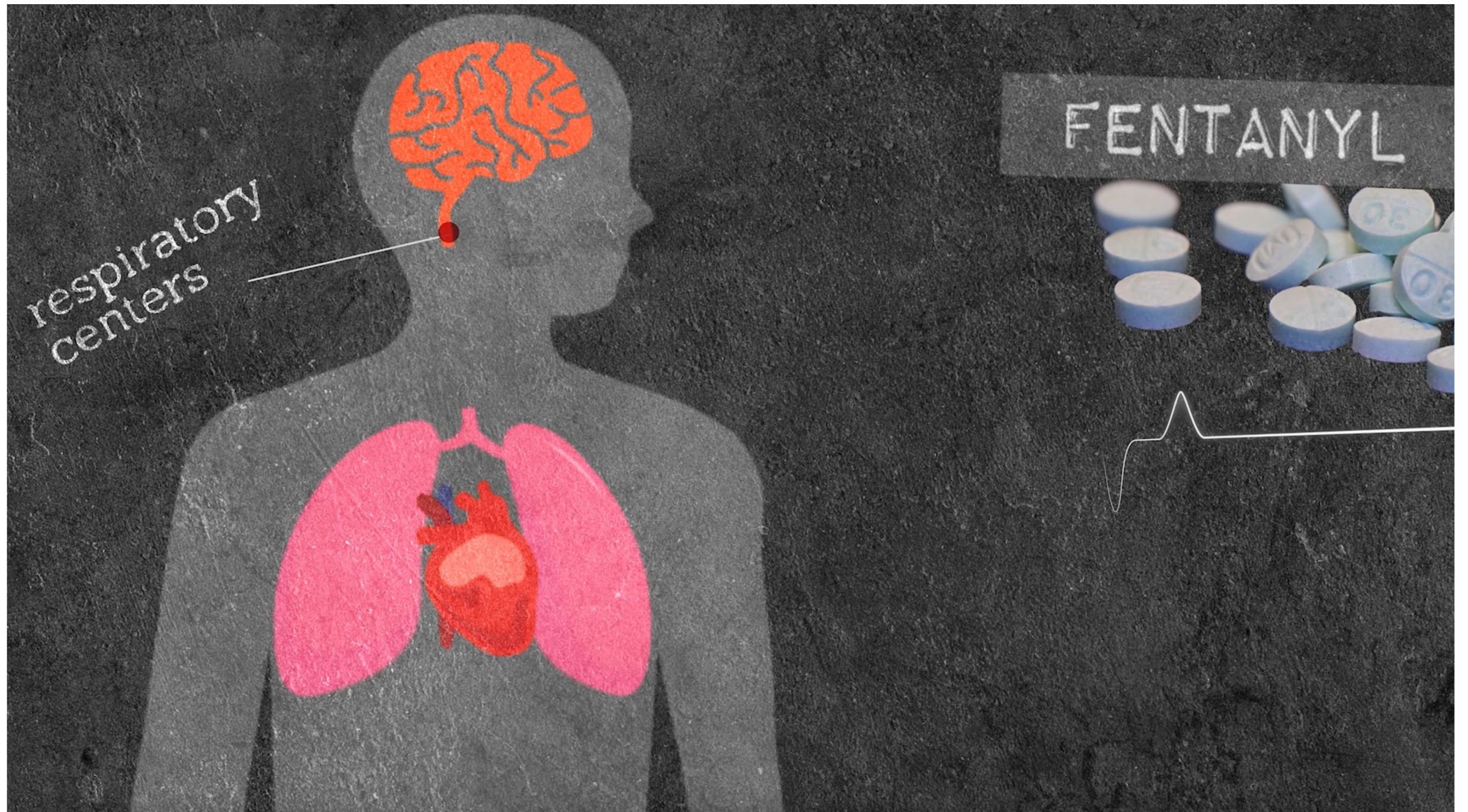
A



B

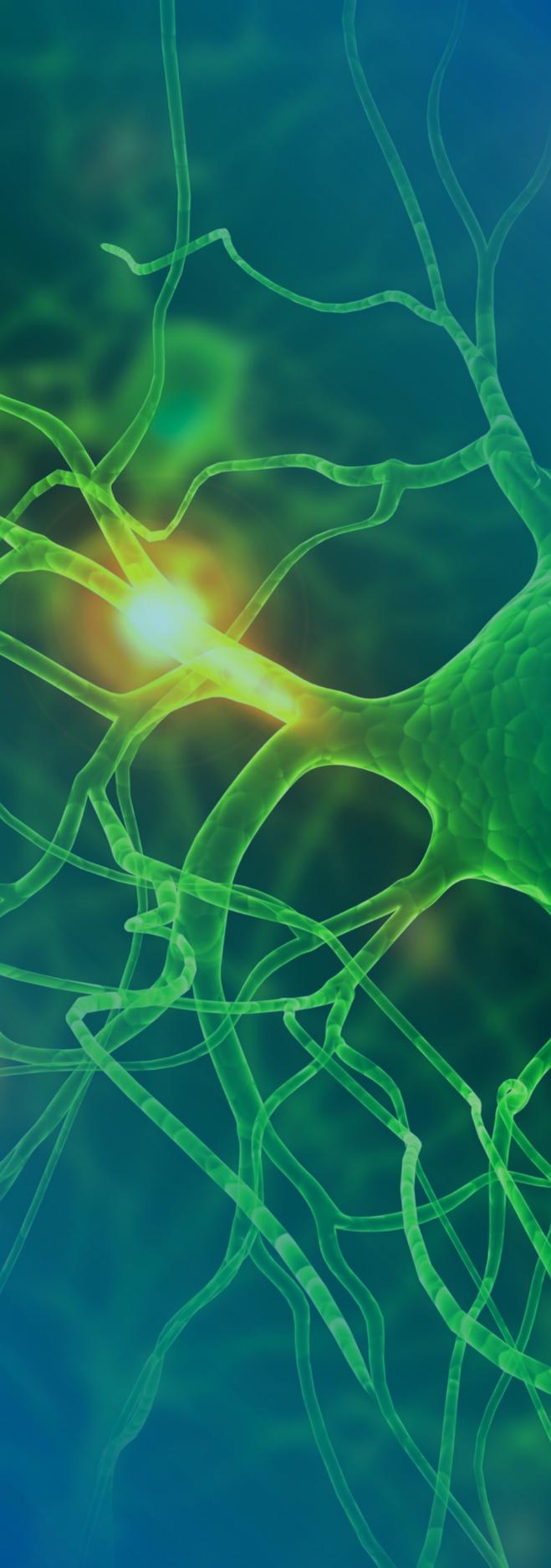


## 2. Effects on the Brain and Body Video



Explore the science of how fentanyl and other drugs affect our brain and body.

# 2. Effects on the Brain and Body Activity



TERM	DEFINITION
Opioid Receptor	
Neuron	
Endorphin	

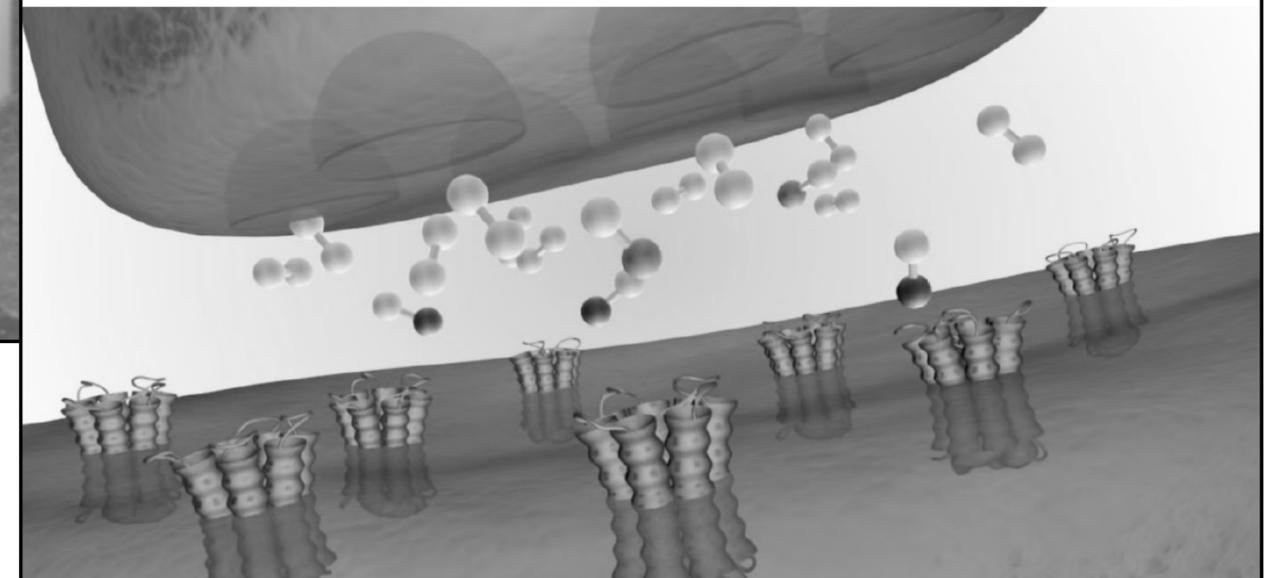


## CAPTURE SHEET 2: PLEASURE AND PAIN PATHWAYS

### VIDEO 1–Dopamine Pathway

Define and Label each of the following on the diagram:

TERM	DEFINITION
Synapse	
Presynaptic neuron	
Postsynaptic neuron	
Vesicles	
Dopamine	
Dopamine Receptor	
Dopamine Transporter	



### 3. Community Impact Video



Go inside the real-world human impacts that counterfeit drugs have on our communities.

# 3. Community Impact Activity

## Storyboard

Attention-Grabbing Introduction:

Describe what is happening in the image	Describe what is happening in the image	Describe what is happening in the image

Create an information video script and storyboard that will inform the community of the dangers and prevention of counterfeit drugs

## 4. Cultural Solutions Video



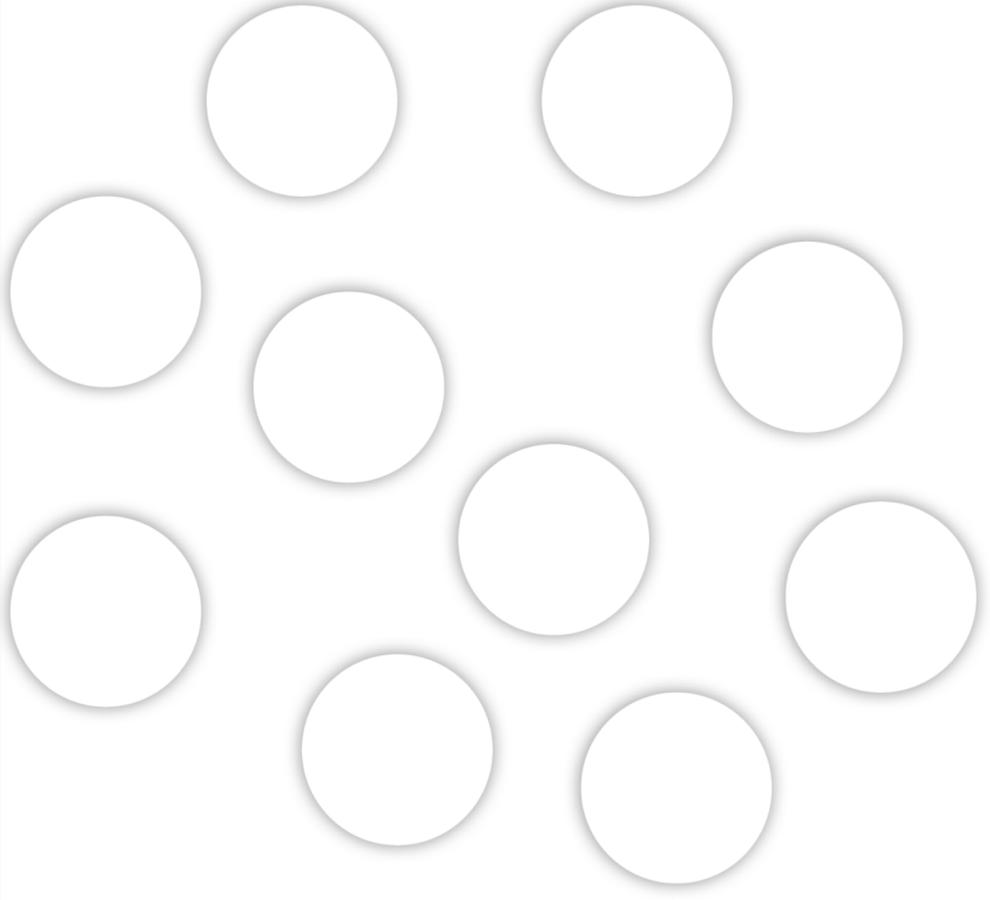
See the ways that diverse tribal communities are coming together to address the issue of counterfeit pills.

# 4. Cultural Solutions Activity

Grades 9-12

### CAPTURE SHEET 1: COMMUNITY CONNECTIONS

**Directions:** In each of the bubbles, list one of the communities or groups you belong to. Try to fill as many bubbles as you can. Then, answer the reflection question below.



Reflection Question: How do you know when you really belong to a group or community?

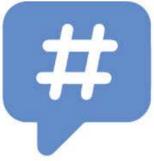
### CAPTURE SHEET 4: PLANNING YOUR OWN BELONGING EVENT

**Directions:** Allow the prompts in the box to brainstorm a cultural event in your community that would help create a sense of belonging for young people.

 Briefly describe the community for which you will host your event. Why did you select this one?

 What is a cultural value or practice of that community you would like to highlight or utilize?

 Describe the event and how it could promote a better sense of belonging for people in the community.

 How will you promote your event so that your community will be more interested in participating? For social media promotion, list multiple hashtags or slogans that may gain more attention.

Connect a personal definition of 'Belonging'

# Digital Lesson Bundle

## Counterfeit Drugs:

Creating a Community  
Awareness Campaign



The DLB bundle focuses on how individual decisions can impact a community as a whole.

# Digital Lesson Bundle

“How can an **individual’s** decision to take counterfeit drugs impact all aspects of society?”



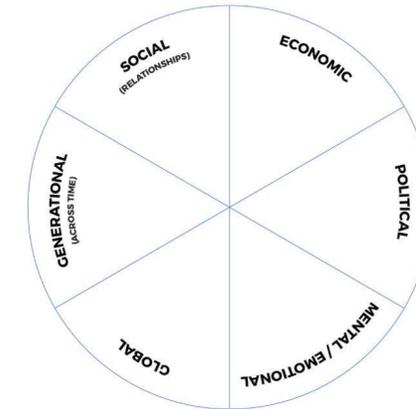
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## SOCIAL ISSUES WHEEL



10



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## CHALK TALK

- How does completing this wheel help you better understand the impact of an individual's decision to take counterfeit drugs?
- Which aspect of the Social Issues Wheel do you think has the most significant impact on society regarding the use of counterfeit drugs? Why do you think that?
- Though we talk about community, how does this issue impact the world at a global level?
- What personal emotions or thoughts does this activity stir up?



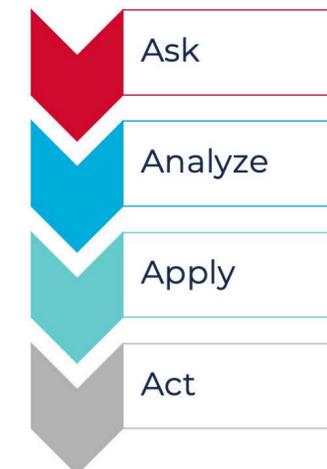
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## DAY 3: Community Awareness Campaign



- “How can an individual's decision to take counterfeit drugs impact all aspects of society?”
- Research Sources for information on community impact of Counterfeit Drugs.
- Complete Social Issues Wheel by applying learning from our research.
- Brainstorm a campaign to bring awareness to the dangers of Counterfeit Drugs.

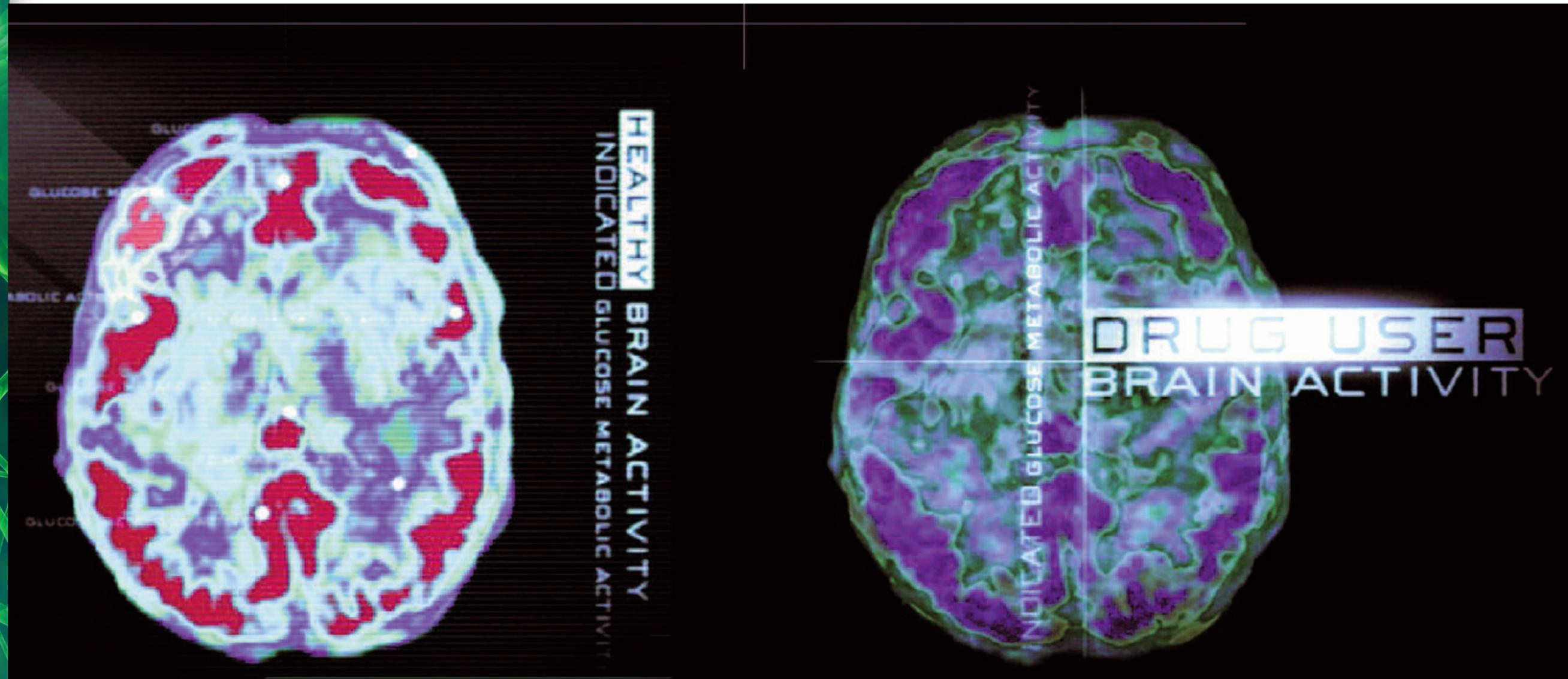
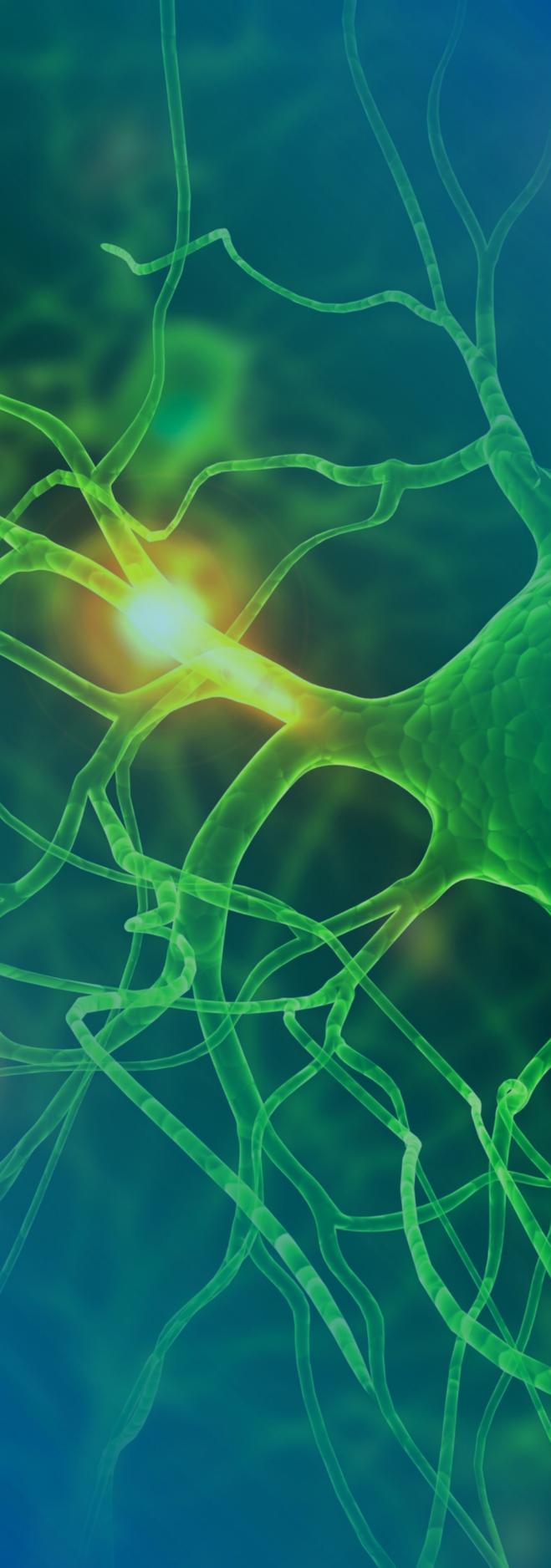
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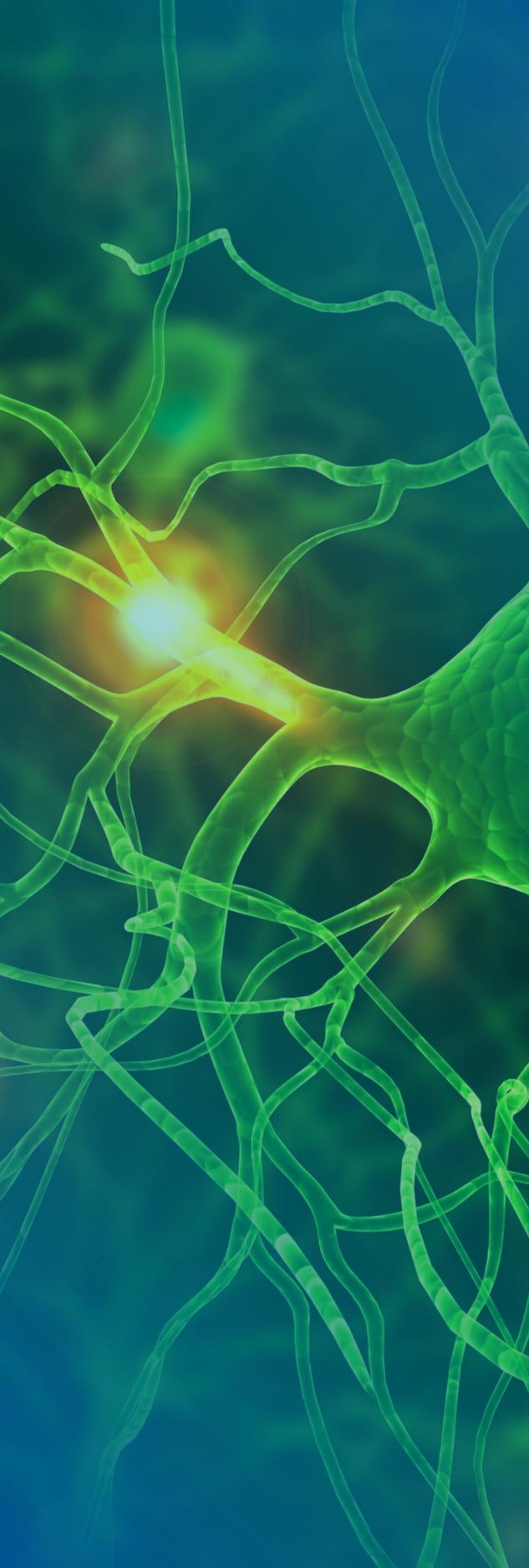


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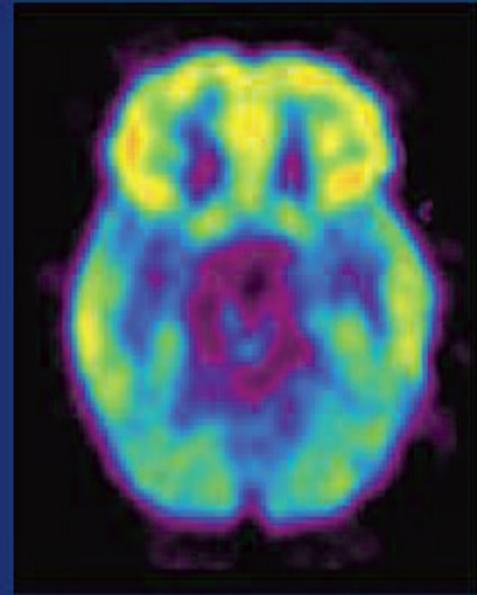


# The Science of Addiction

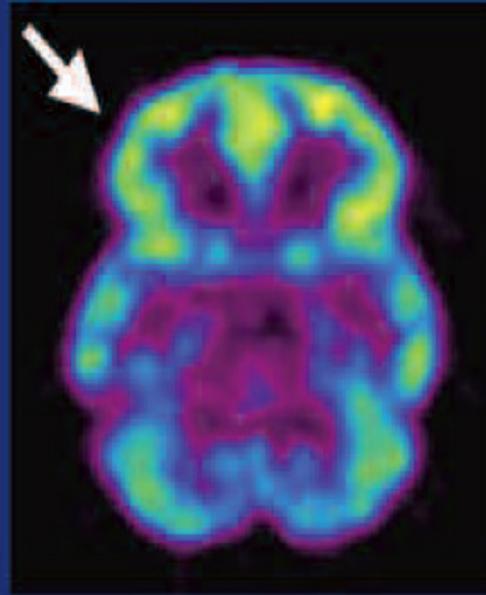




DECREASED BRAIN METABOLISM IN **PERSON WHO ABUSES DRUGS**



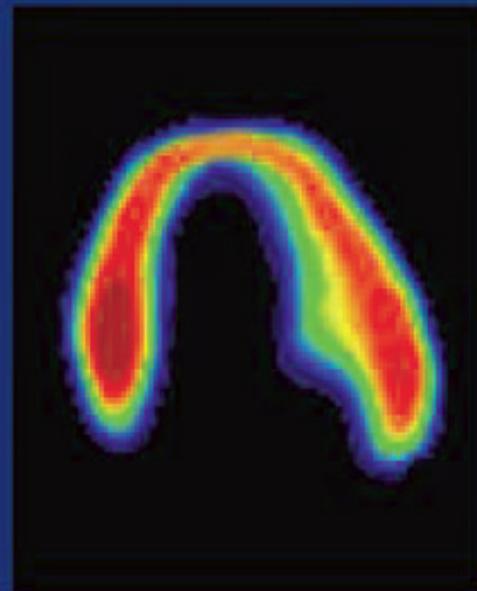
Healthy Brain



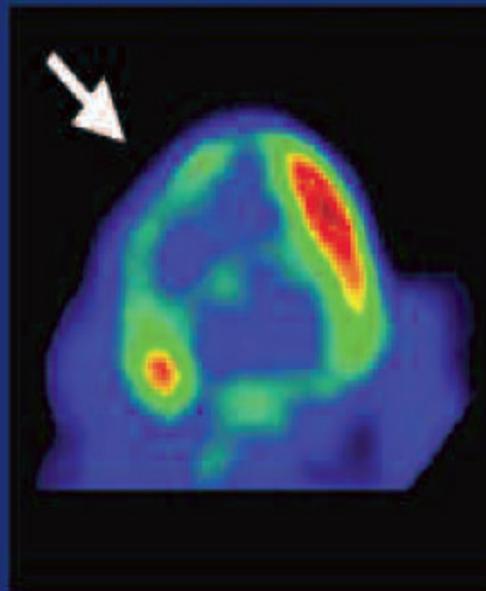
Diseased Brain/Cocaine Abuser



DECREASED HEART METABOLISM IN **HEART DISEASE PATIENT**

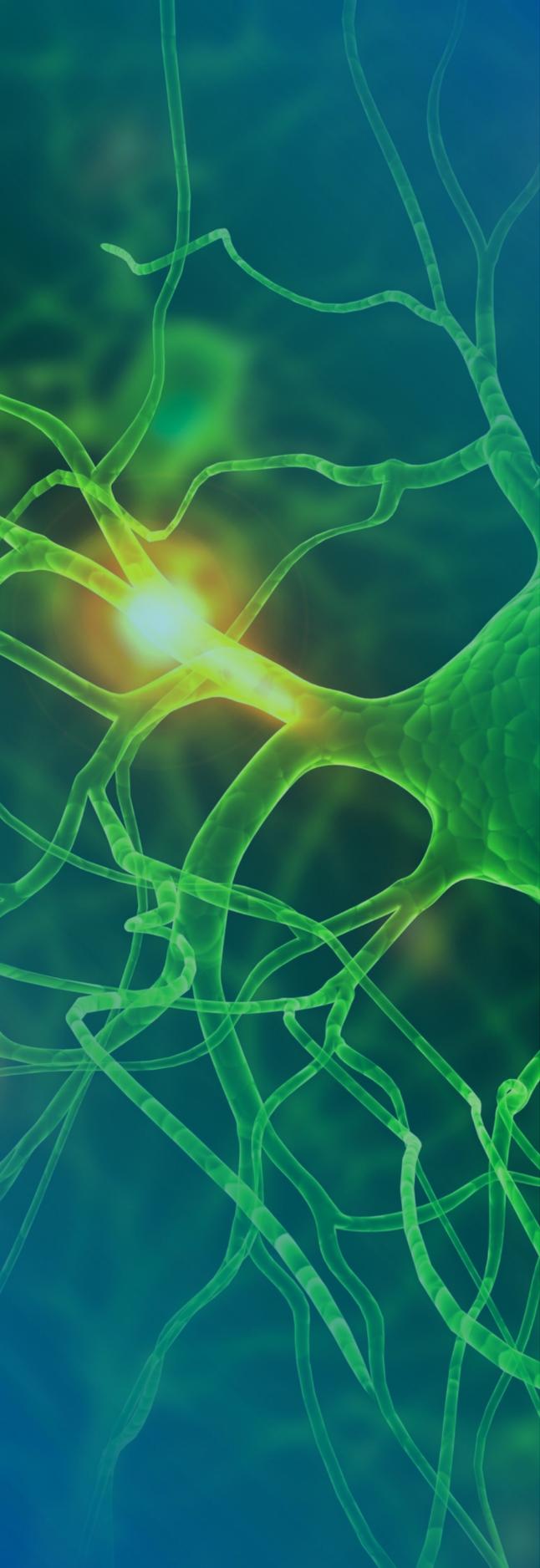


Healthy Heart

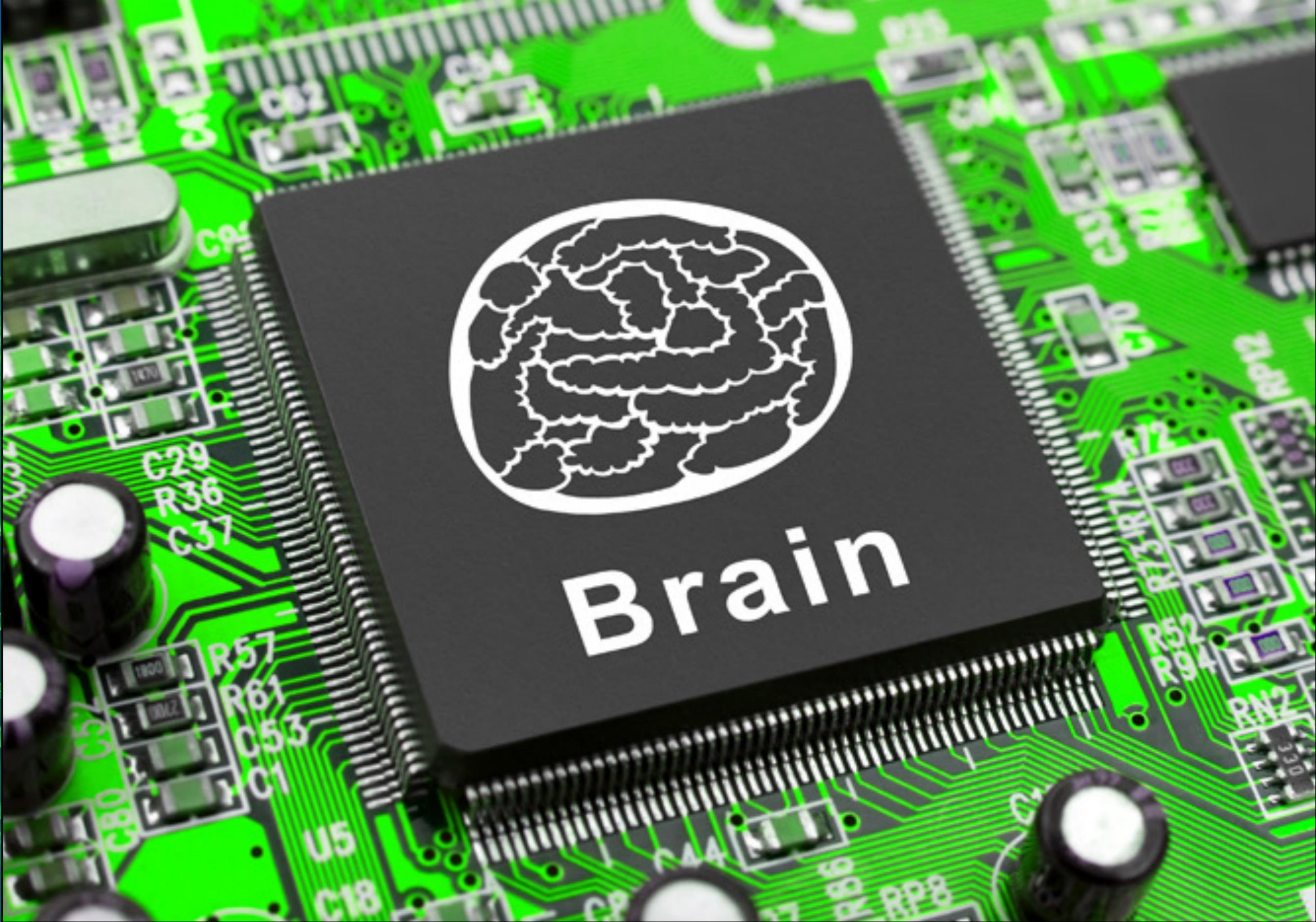
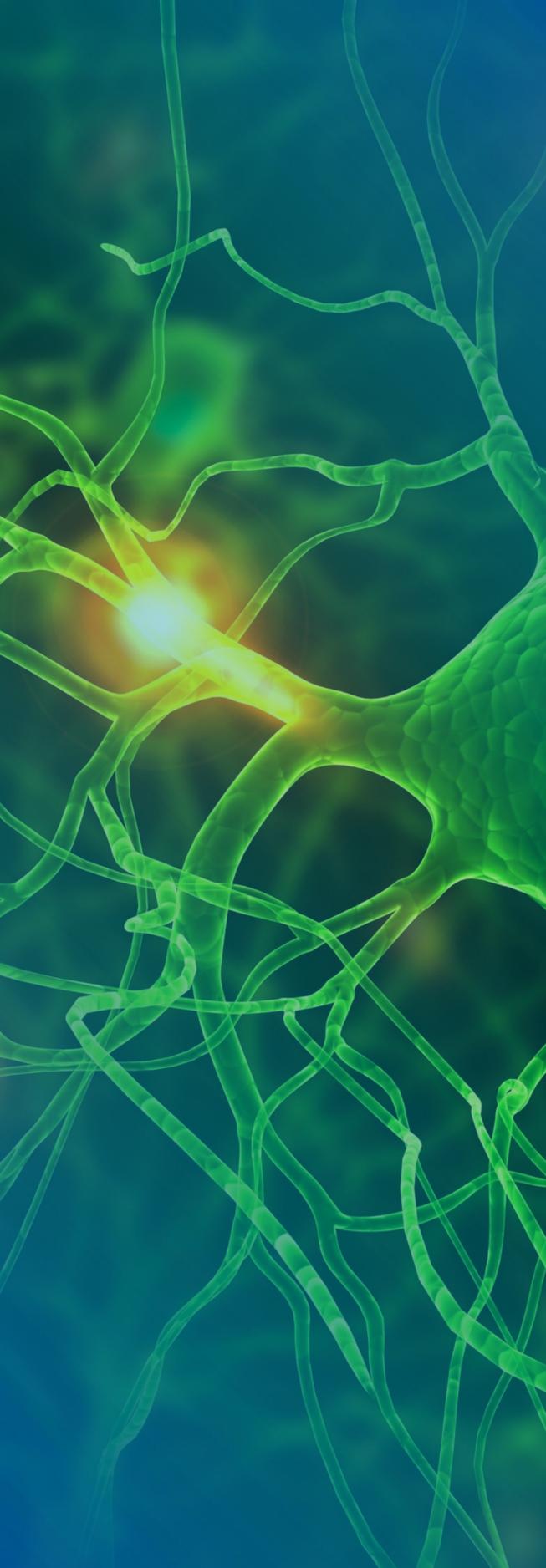


Diseased Heart

Substance Use Disorder is a disease, just like other diseases, such as heart disease.

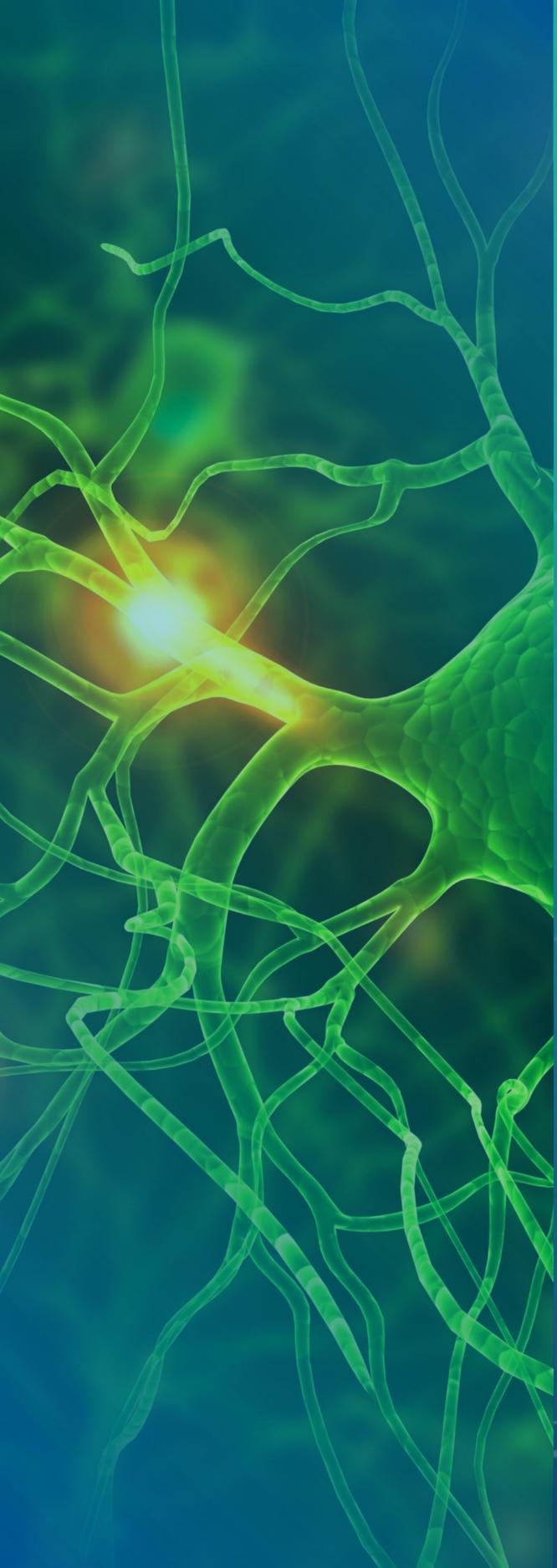
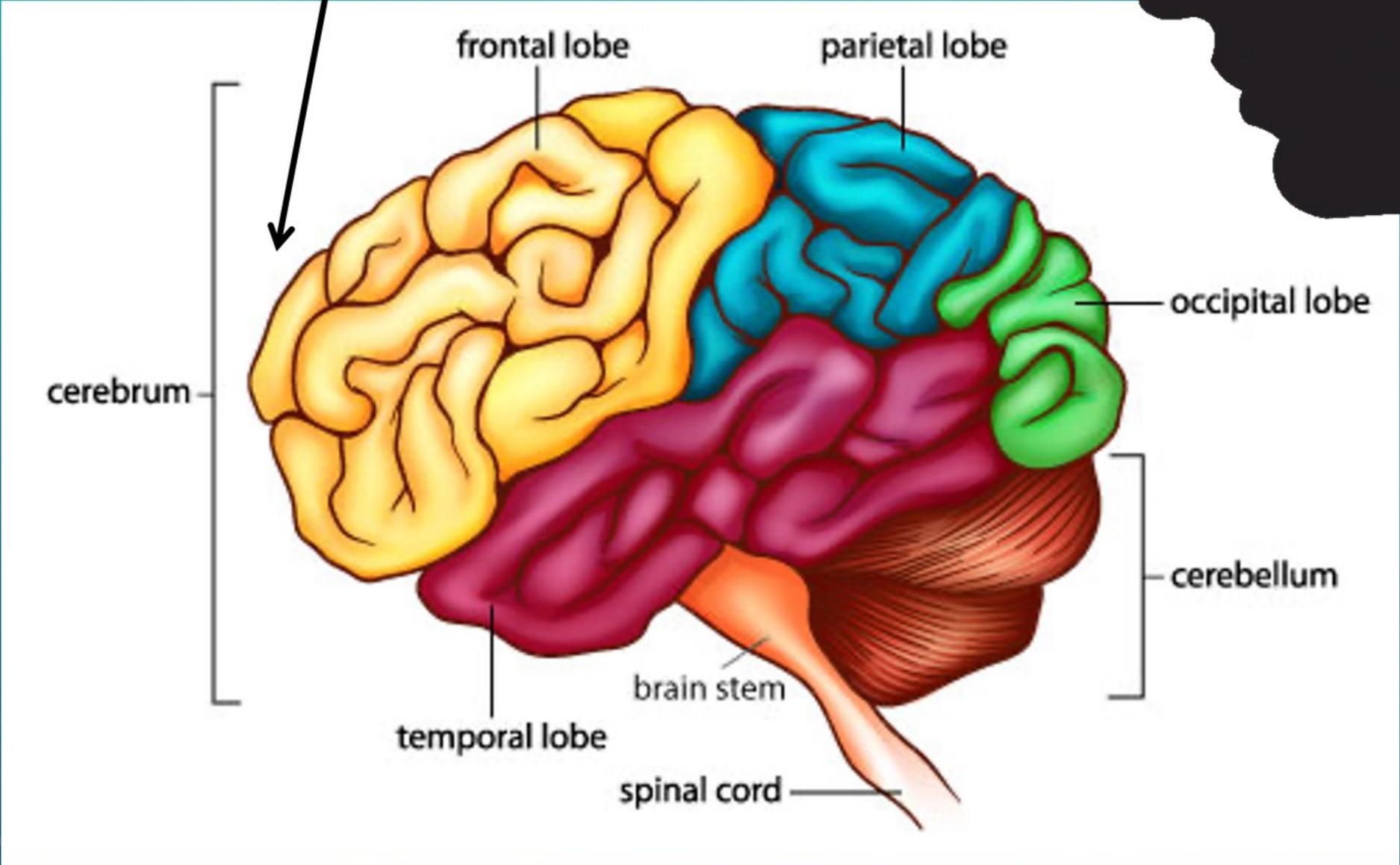
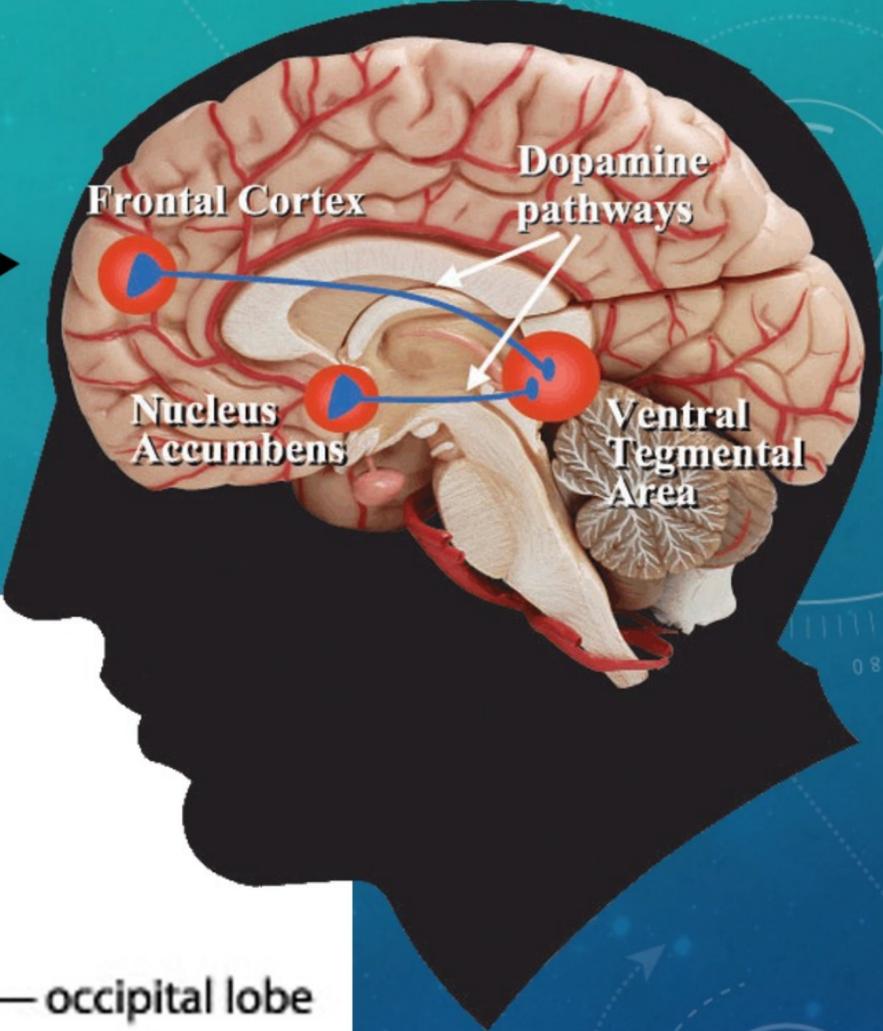


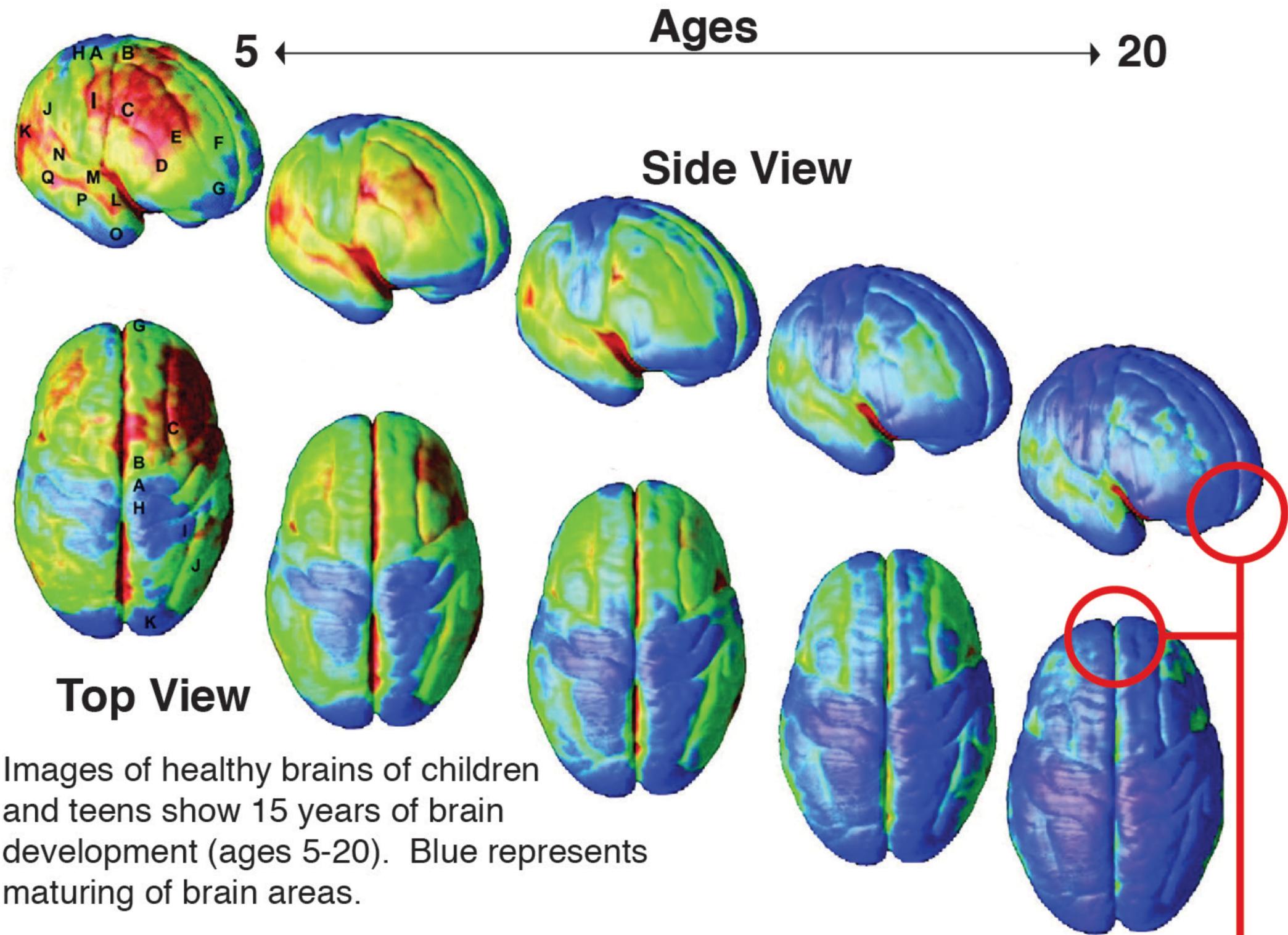
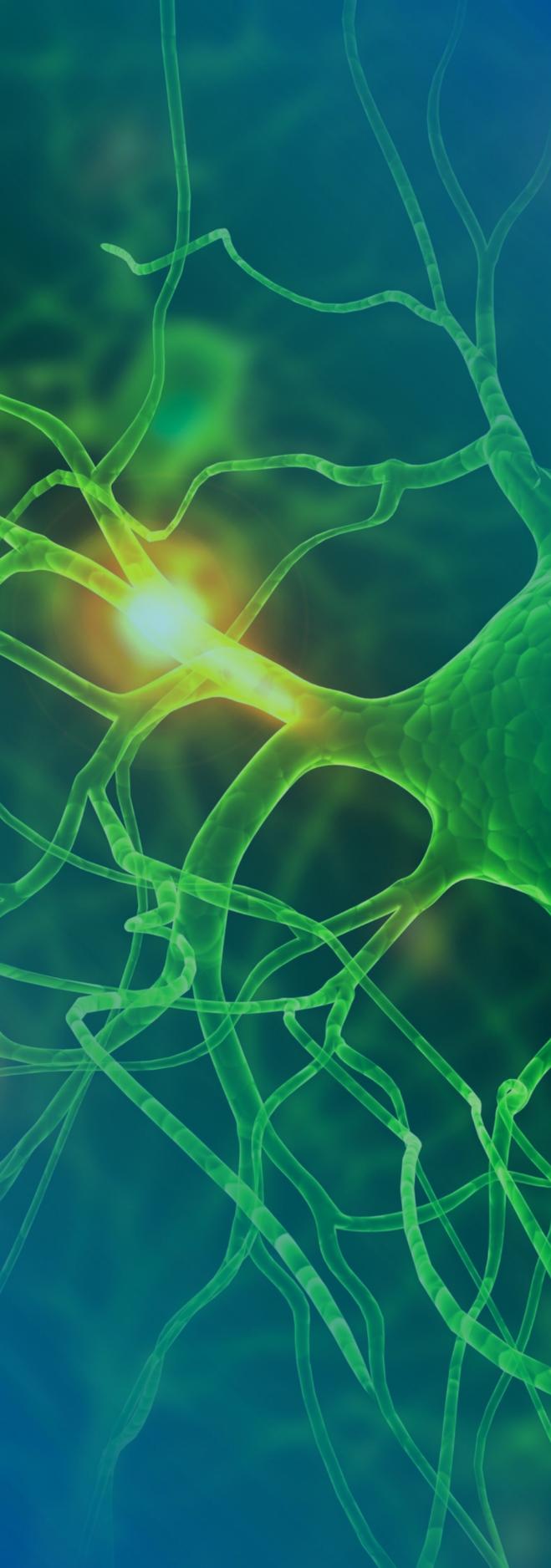
**A substance  
use disorder  
can affect  
ANYONE**



# Brain Anatomy

Pre-frontal cortex

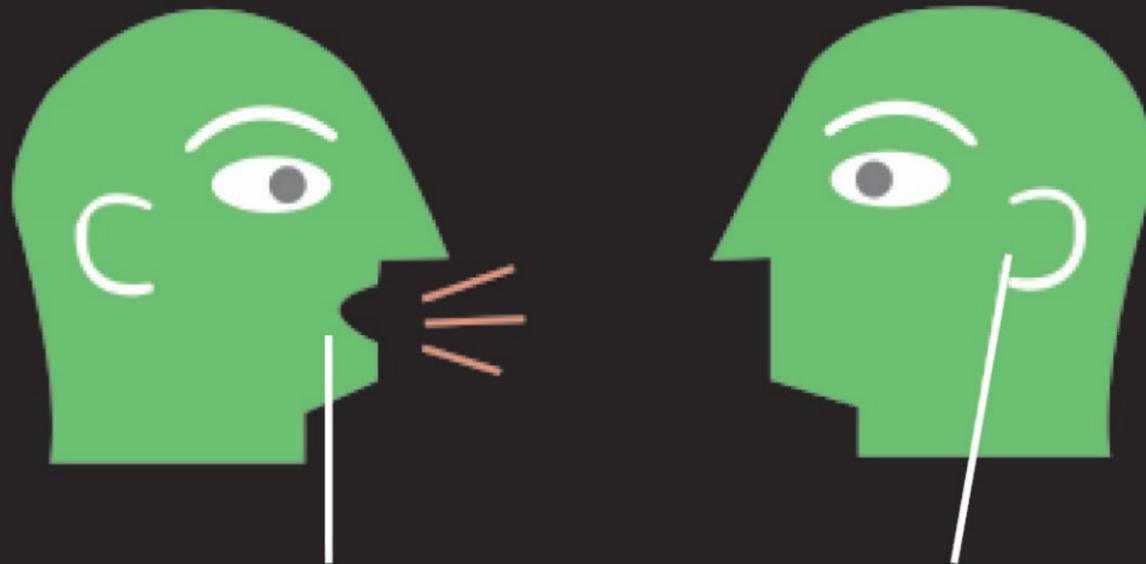




Images of healthy brains of children and teens show 15 years of brain development (ages 5-20). Blue represents maturing of brain areas.

Located just behind the forehead is the brain's prefrontal cortex. This is involved in decision-making and is the last part of the brain to develop. This may be why teens take extra risks.

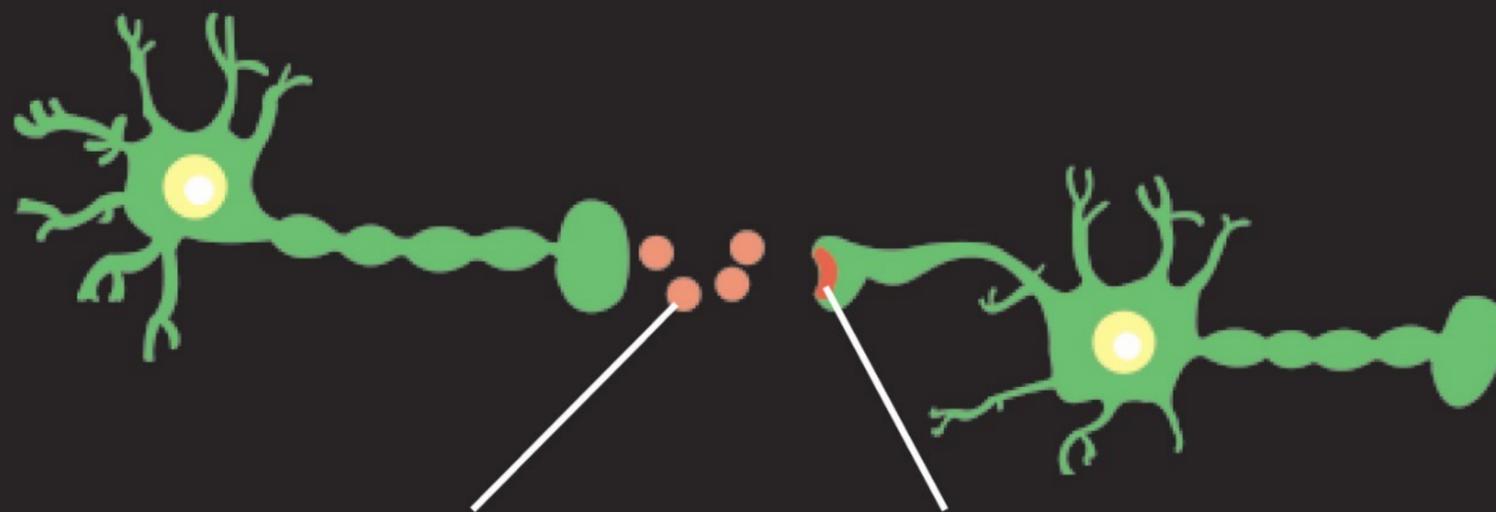
Here's how people communicate.



**Transmitter**

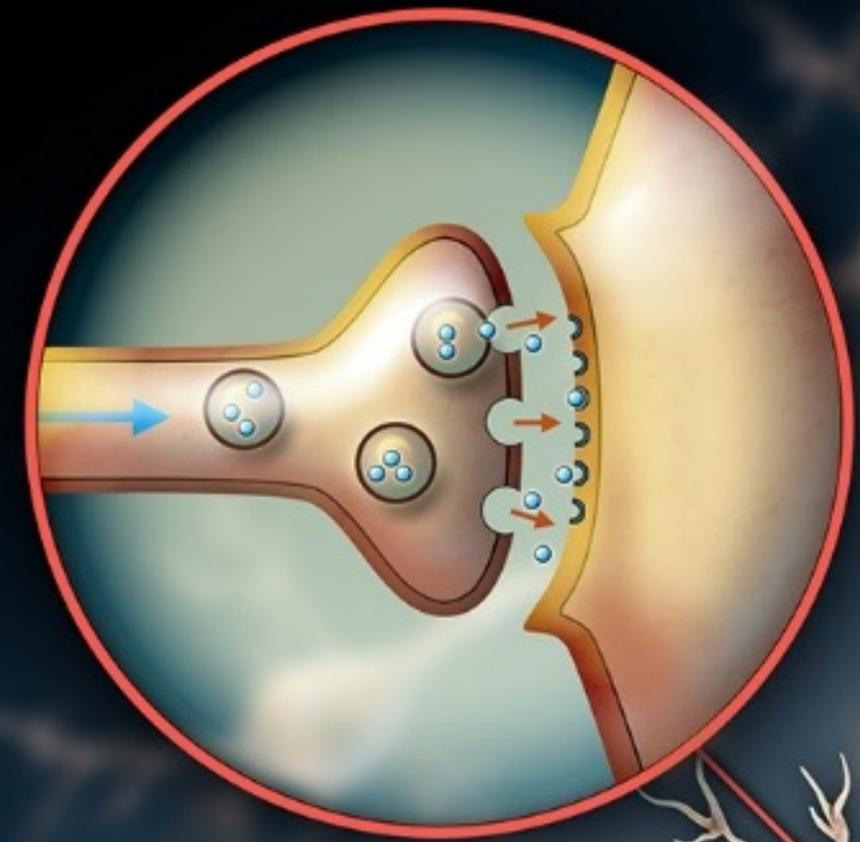
**Receptor**

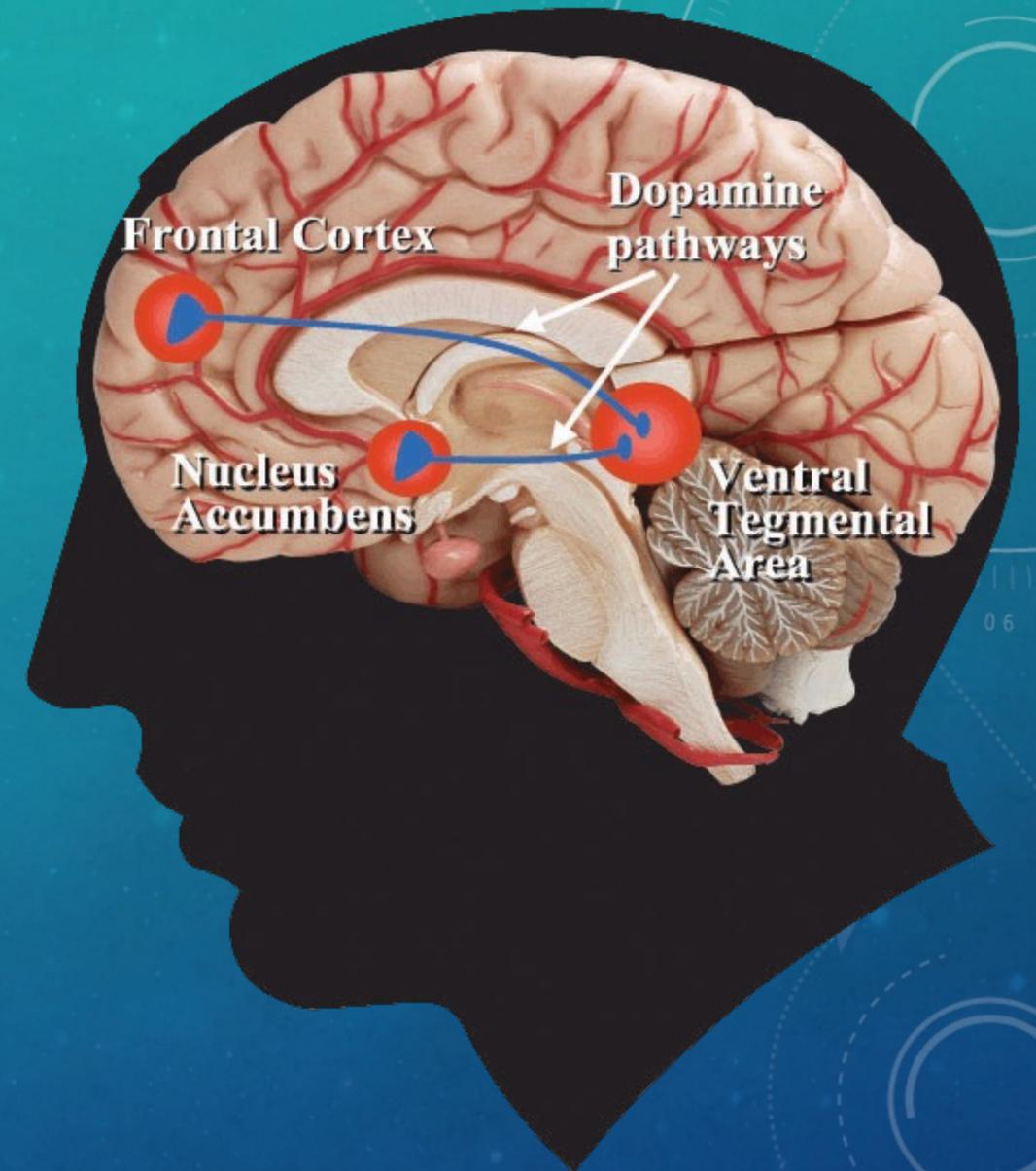
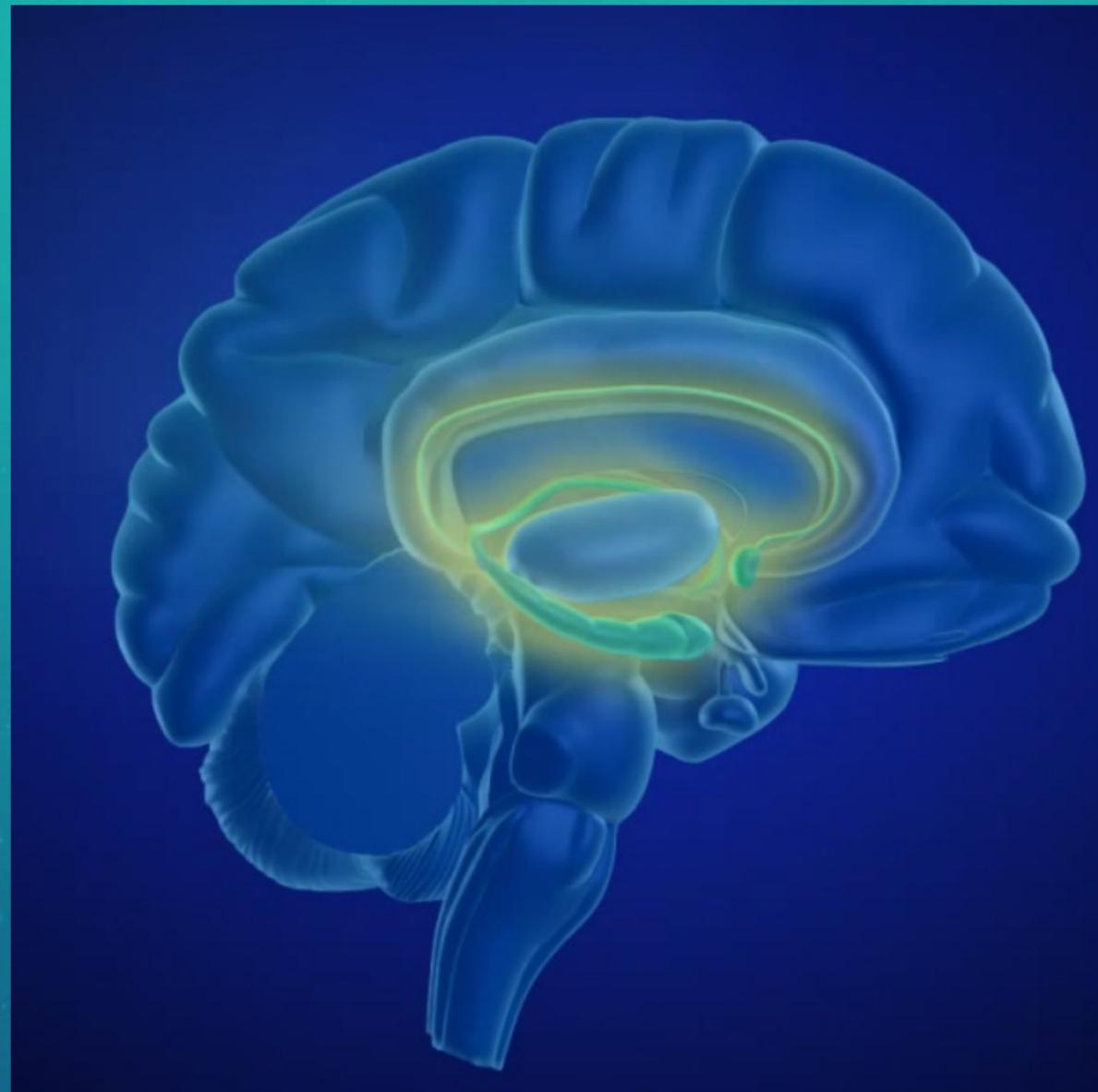
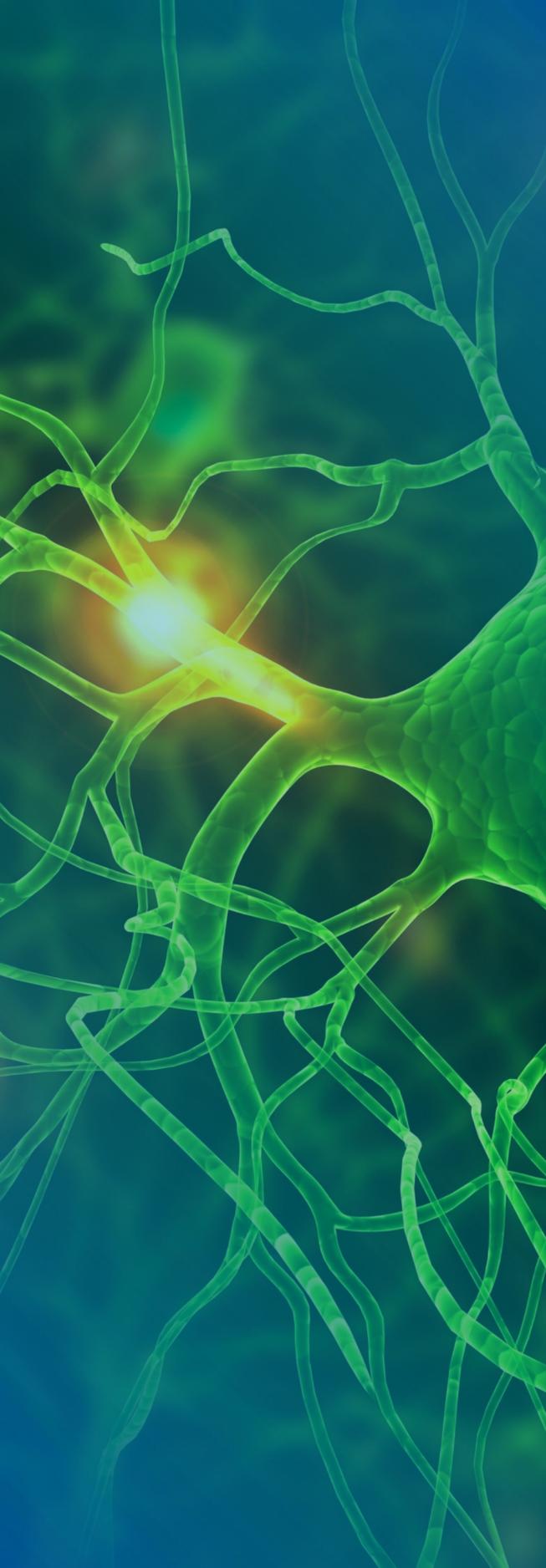
Here's how brain cells communicate.



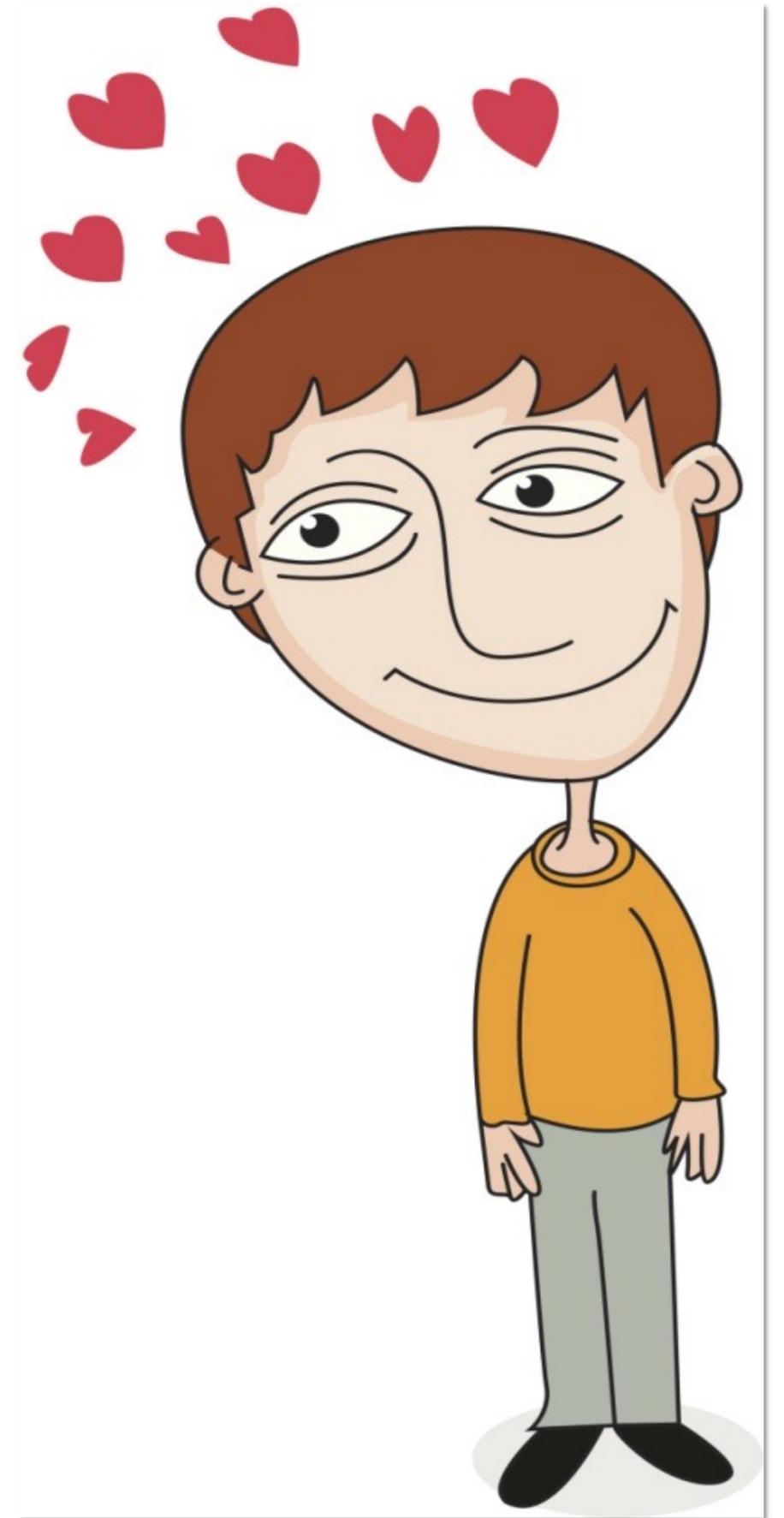
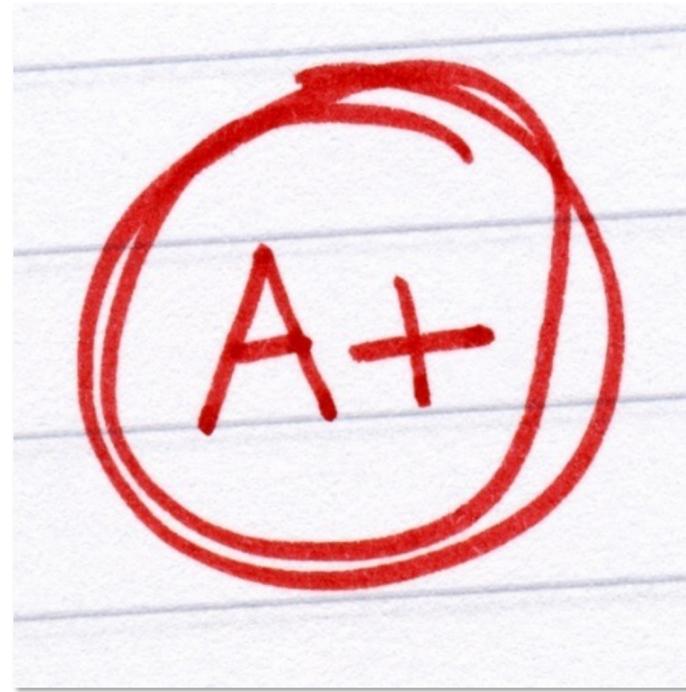
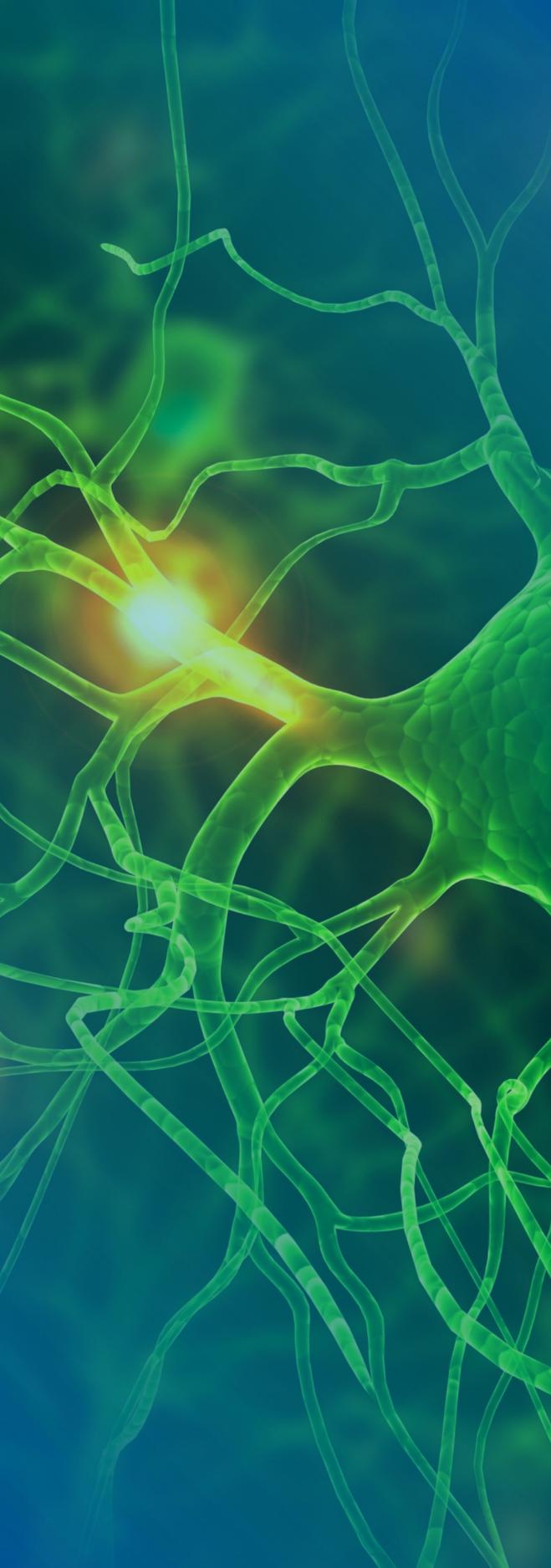
**Neurotransmitter**

**Receptor**

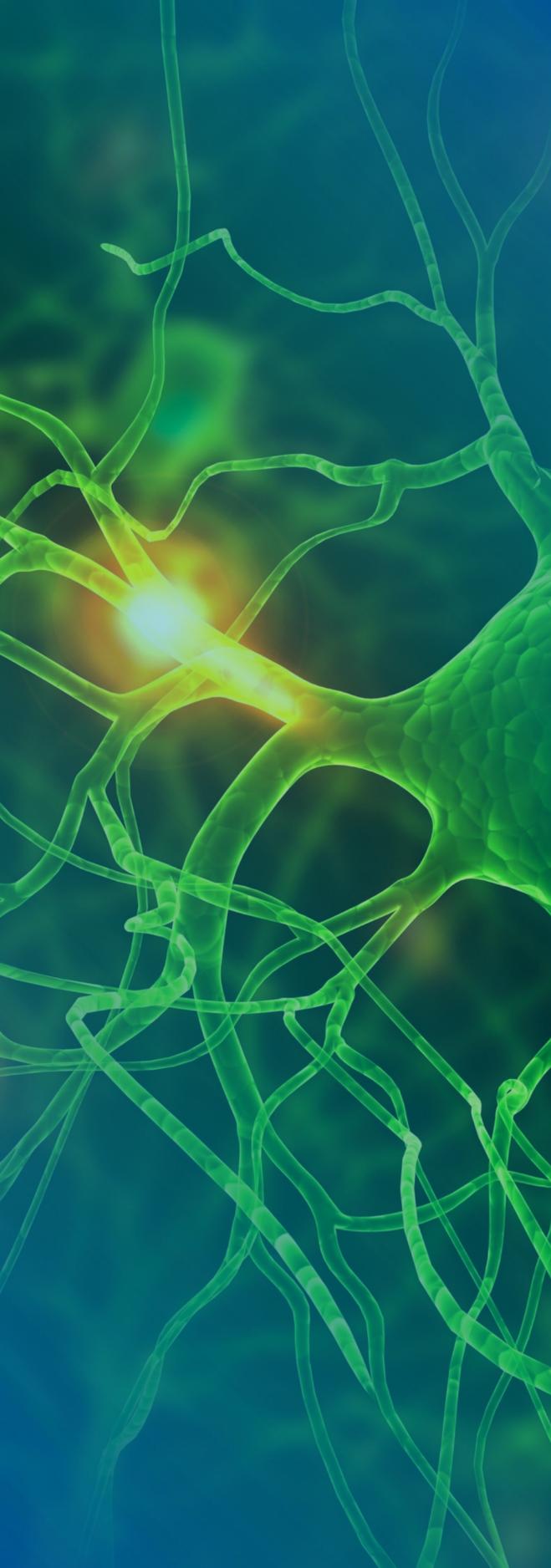


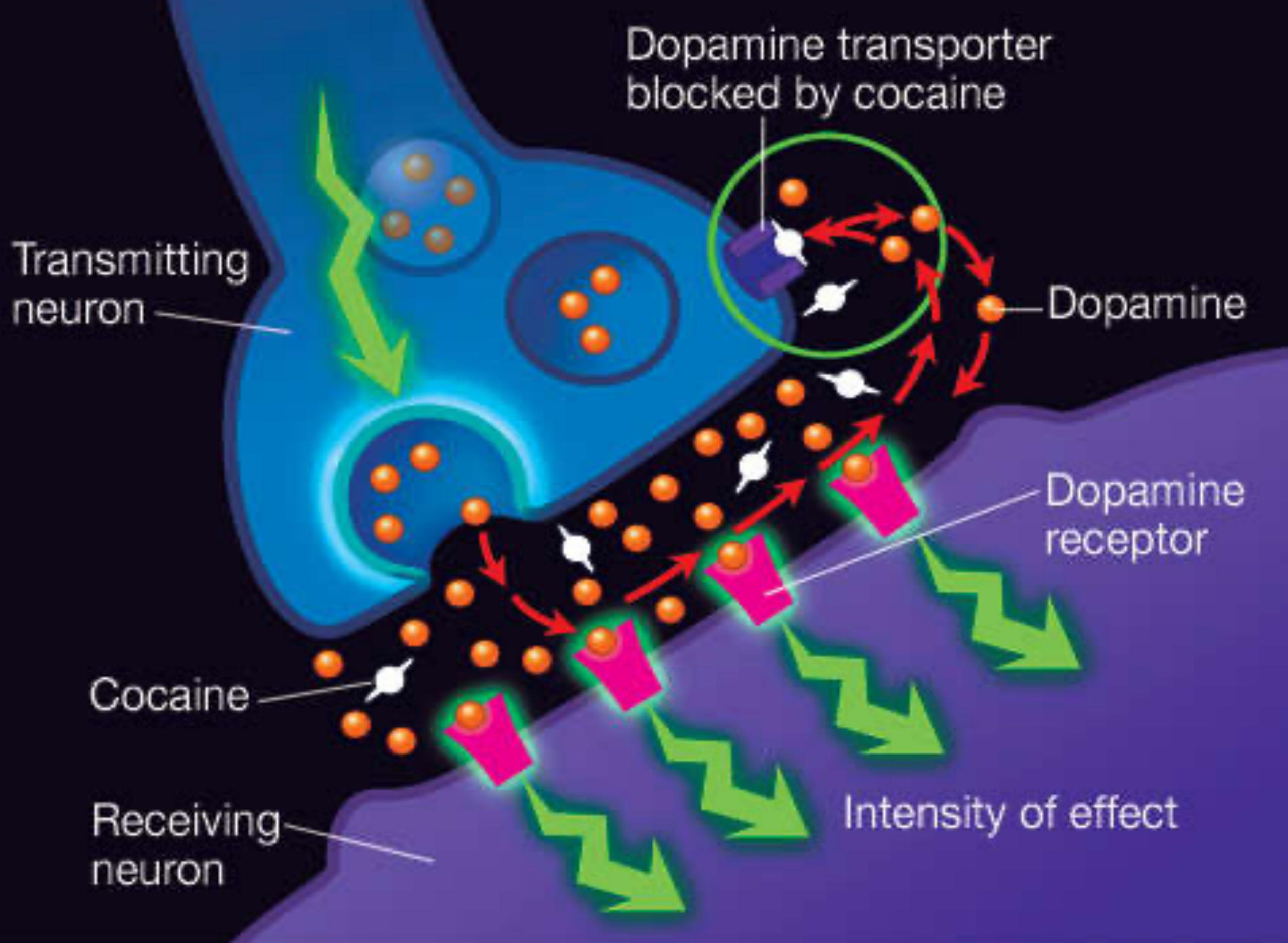
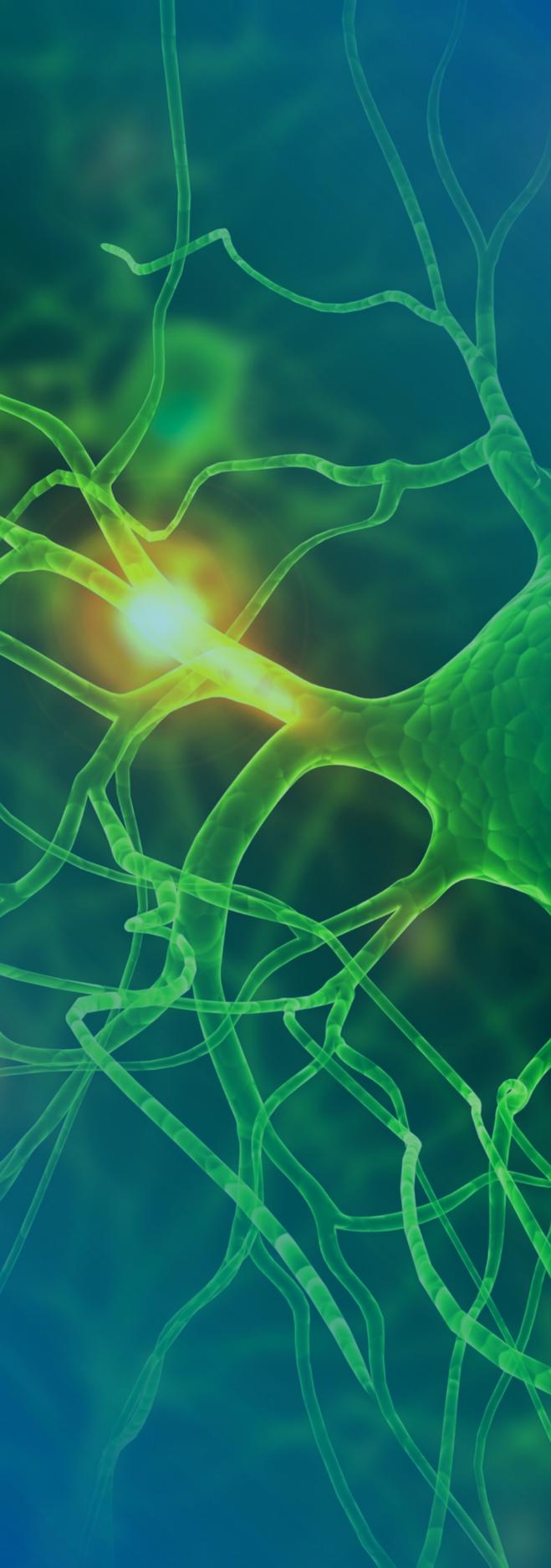


# The Brain Reward Circuit

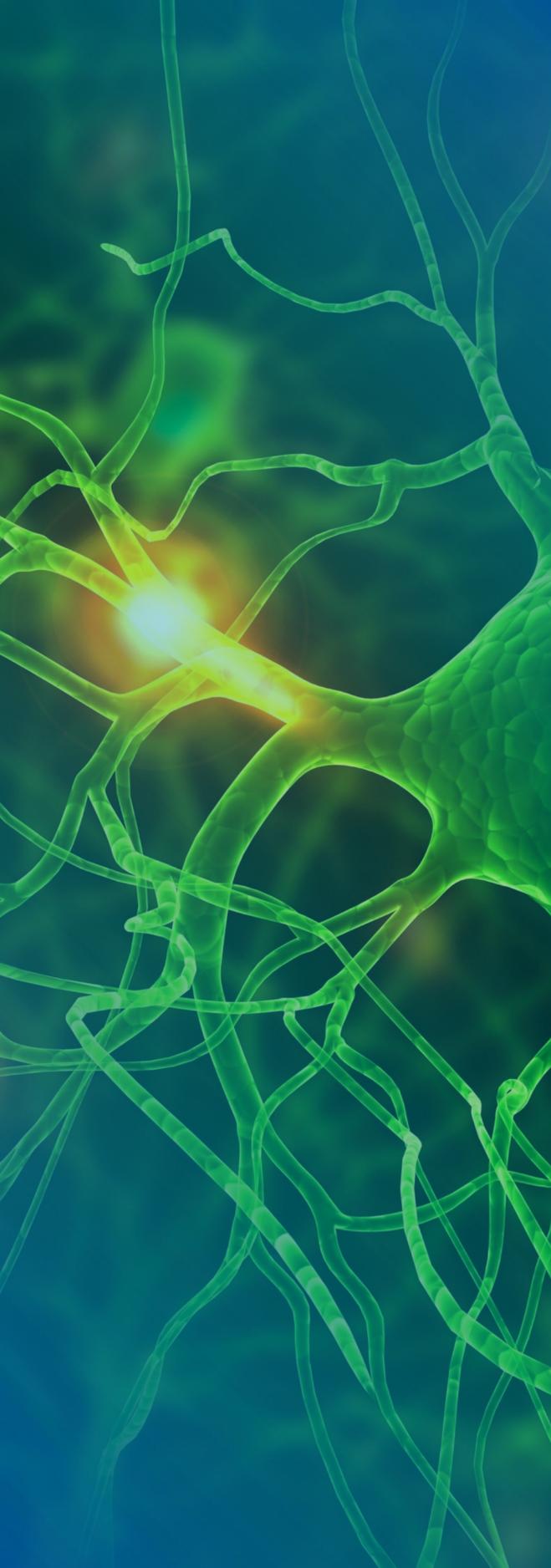


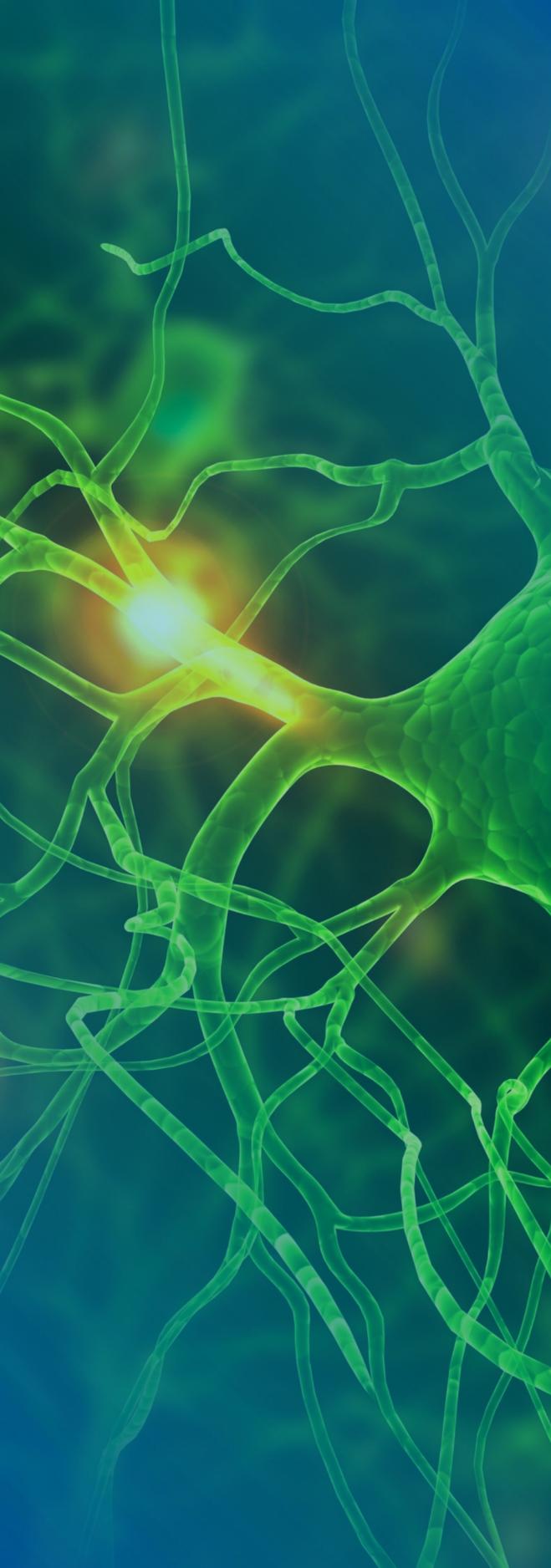
# Drugs Hijack the Brain Reward System

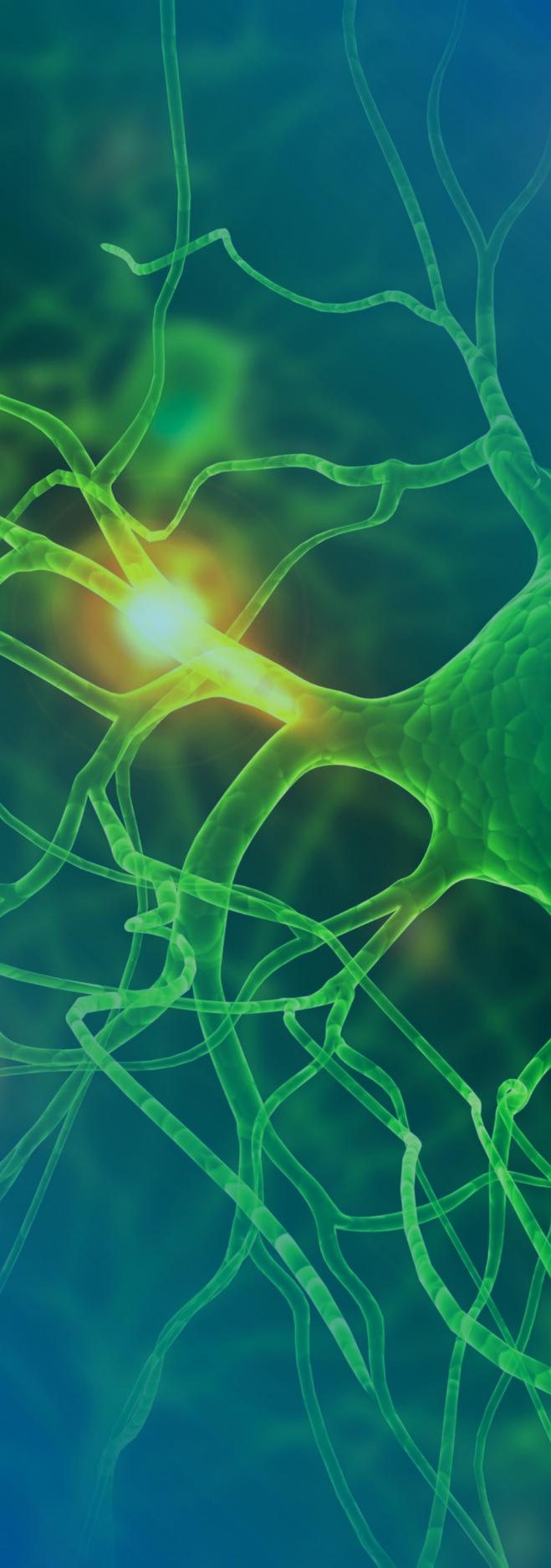




# Chasing the Dragon







**Memories**

**Amygdala**

# Additional Resources



# Publications



**HEROIN**

**WHAT IS HEROIN?**

- It is a highly addictive opiate drug made from morphine, which comes from opium, a substance found in certain poppy plants.
- It appears as a white or brownish powder or a black sticky substance known as black tar.

**STREET NAMES**  
Big H, Black Tar, Horse, Smack, Thunder

**HOW IS IT USED?**

- It is injected with a needle, smoked, or sniffed/snorted.
- Those who inject heroin **risk infectious diseases** such as HIV/AIDS, hepatitis, and liver or kidney disease.



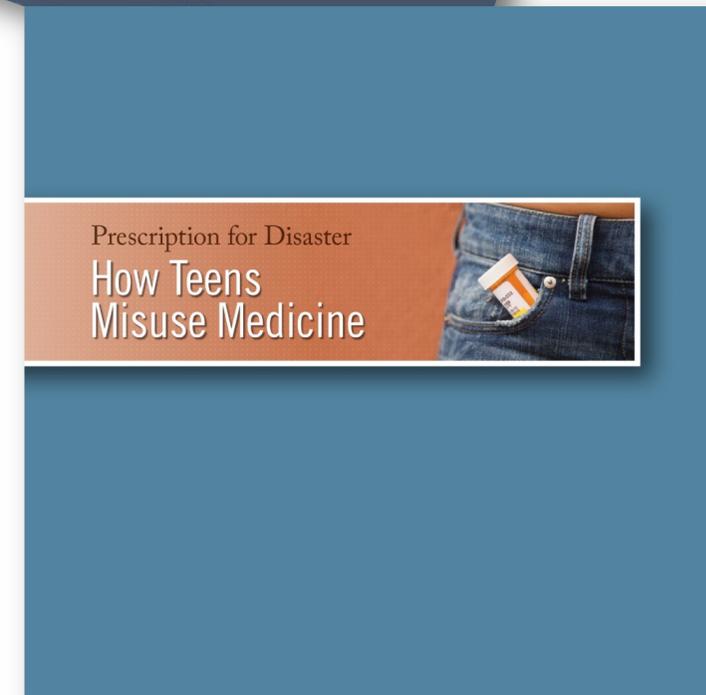
**WHAT ARE THE HEALTH EFFECTS OF HEROIN?**

**Effects on the mind**

- Since it enters the brain so quickly, heroin is particularly addictive.
- Heroin users report feeling a surge of euphoria or "rush," followed by a state of sleepiness and wakefulness, and clouded mental functioning.

**Effects on the body**

- Drowsiness, respiratory depression, constricted pupils, nausea, warm flushing of the skin, dry mouth, and heavy feeling in arms and legs.
- Effects of heroin overdose are slow, shallow breathing, blue lips and fingernails, clammy skin, convulsions, coma, and possible death.



[www.getsmartaboutdrugs.com/publications](http://www.getsmartaboutdrugs.com/publications)

# Prevention Support Resources

## Websites

[www.OperationPrevention.com](http://www.OperationPrevention.com)



For Educators  
For the Workplace

[www.JustThinkTwice.com](http://www.JustThinkTwice.com)



For Teens

# Prevention Support Resources

## Websites

[www.GetSmartAboutDrugs.com](http://www.GetSmartAboutDrugs.com)



For Parents, Educators,  
and Caregivers

[www.CampusDrugPrevention.gov](http://www.CampusDrugPrevention.gov)

Campus Drug Prevention

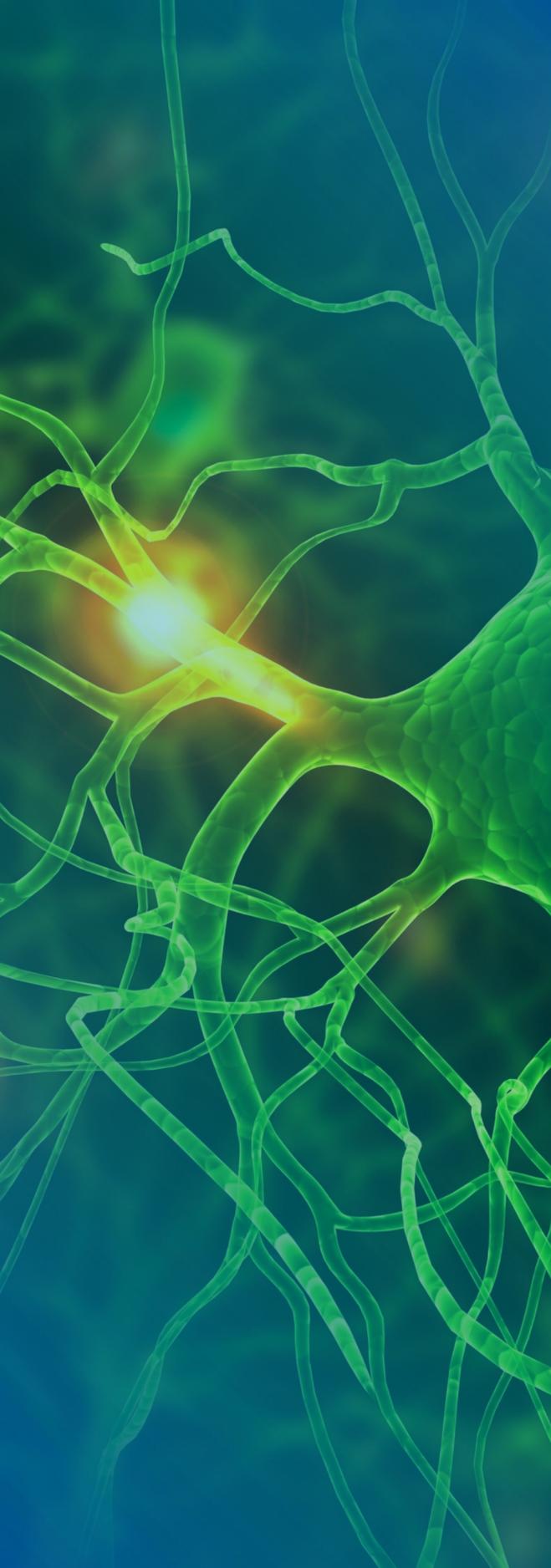
[www.campusdrugprevention.gov](http://www.campusdrugprevention.gov)

For Higher Education

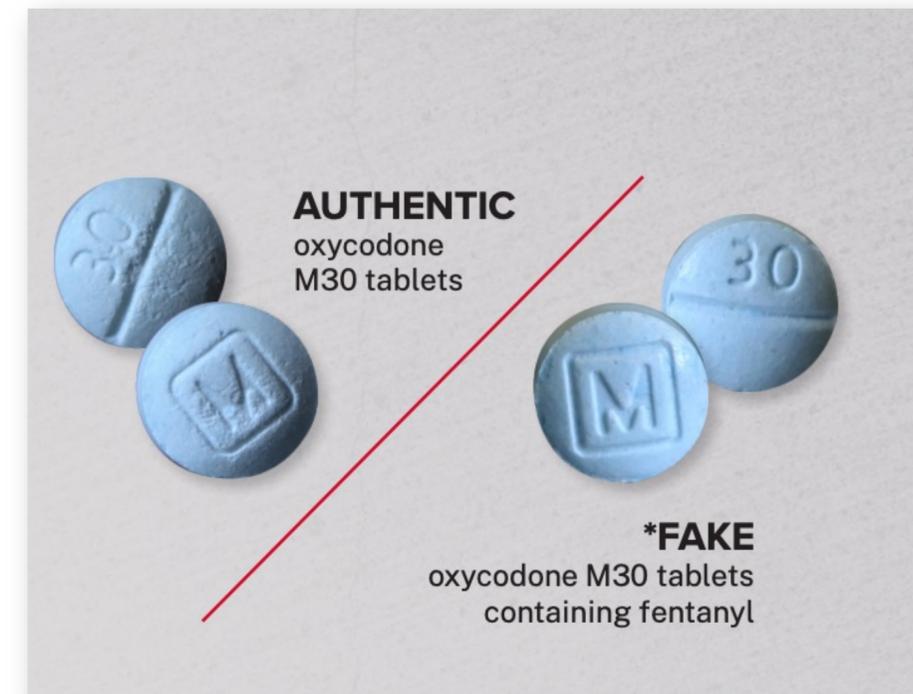
# Red Ribbon Week



[www.dea.gov/redribbon](http://www.dea.gov/redribbon)



**ONE  
PILL CAN  
KILL**



[www.dea.gov/OnePill](http://www.dea.gov/OnePill)

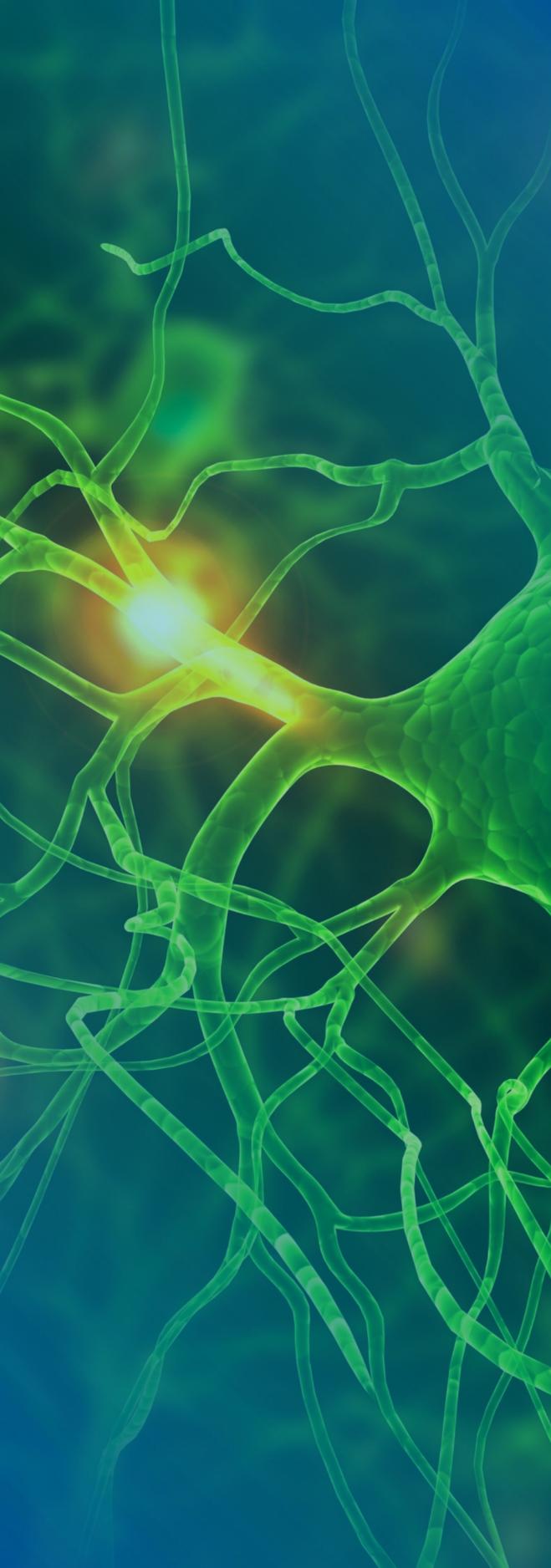
FAKE PRESCRIPTION PILLS • WIDELY AVAILABLE • INCREASINGLY LETHAL

DEA LAB TESTING REVEALS THAT  
**6** OUT OF EVERY **10** PILLS  
WITH FENTANYL CONTAIN A POTENTIALLY  
**LETHAL DOSE**

**Fake pills often contain fentanyl  
and are more lethal than ever before.**

A photograph of several crushed blue, oval-shaped pills scattered on a white surface. A red circle highlights a small, individual piece of the crushed pill, with a red line pointing from the text 'LETHAL DOSE' to it.

# DEA Museum



[www.deamuseum.org](http://www.deamuseum.org)

# Awkward Conversations

Topics include signs of drug use in teens, fake pills, preventing drug misuse among college students, bullying and peer pressure and its consequences, understanding your kids' social media use, etc.



One Pill Can Kill | Awkward Conversations S2E5

**Awkward Conversations**  
with host Jodie Sweetin

Watch later

Listen.  
♥

Watch on  YouTube

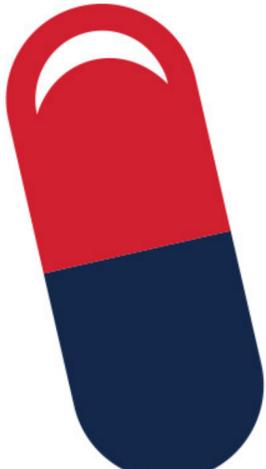
[www.getsmartaboutdrugs.gov/media/watch-awkward-conversations-podcast-series.org](http://www.getsmartaboutdrugs.gov/media/watch-awkward-conversations-podcast-series.org)

# DEA Websites

- [www.OperationPrevention.com](http://www.OperationPrevention.com)
  - for Operation Prevention Curriculum
- [www.GetSmartAboutDrugs.com](http://www.GetSmartAboutDrugs.com)
  - for Parents, teachers, and caregivers
- [www.JustThinkTwice.com](http://www.JustThinkTwice.com)
  - for students
- [www.CampusDrugPrevention.gov](http://www.CampusDrugPrevention.gov)
  - for college professionals
- [www.dea.gov/redribbon](http://www.dea.gov/redribbon)
  - Red Ribbon resources
- [www.dea.gov/OnePill](http://www.dea.gov/OnePill)
  - One Pill Can Kill Toolkit
- [www.deamuseum.org](http://www.deamuseum.org)
  - DEA Museum

**Questions?**

**Cathleen.R.Drew@dea.gov**

**OPERATION  N  
PREVENTION**

**[www.OperationPrevention.com](http://www.OperationPrevention.com)**