

Table of Contents

Articles.....

The Impact of GLP-1 Receptor Agonists on the Brain's Addiction and Satiety Networks

Noreen Adoni.....1

Maternal Microbiota and Immune Interactions in Neurodevelopmental Risk: A Review of Maternal Immune Activation Models

Alexander Byrne.....6

Impact of Meditation on Brain Function

Anika Chandola.....12

The Potential of Hybrid Models in Alzheimer's Diagnosis: Combining Neural Networks and SVMs for Enhanced Accuracy

Rayyan Iqbal.....18

Effects of Pregnancy on the Brain and Neuroplasticity

Isha Kandlikar.....24

Adaptive Plasticity of the Colorblind Brain: A Model for Sensory Compensation

Yuliia Kohut.....30

Interview with Two Professors

Brianna Mae Huner.....36

Amusia: The Science Behind Tone Deafness

Emily Aldrich.....42

The Difference Between Children's Learning Abilities With and Without ADHD

Leah Rupp.....46

How Do We Measure Intelligence?

Ananya Sampathkumar50

Neural Mechanisms of Smartphone Use, ADHD, and Dopamine
Dysregulation: Implications for Cognitive Function and Attention
Vani Sharma.....54

The Effects of Physical Exercise on Memory and Cognitive Functions
Navi Singh.....58

Survival vs. Cognition: Stress Mechanisms in Humans vs. Animals
Pravika Srivastava.....62

Fear on Repeat: Examining the Impact of PTSD on the Amygdala
Micah Wang.....67

The Cognitive Neuroscience of Moral Decision-Making in Extreme
Situations: High-Stress or Life-Threatening Scenarios
May Yang.....72

Meet the Board.....77

About the Writers.....89