Table of Contents

| Artic | les1 |
|-------|--|
| | Astrocytes and Their Role in Psychiatric Disorders |
| | Pravika Srivastava1 |
| | Déjà Vu: What Happens in the Brain |
| | Ananya Sampathkumar5 |
| | Fine tuning Alzheimer's Disease (AD) treatment with Music-Based Interventions (MBI): An anatomical overview |
| | Celeste Acosta9 |
| | How Do "Walk-Up" Songs Work: Links Between Music and Athletic Performance |
| | Isabelle Afshari14 |
| | Revolutionizing Treatment: Gene Therapy Offers Hope for Hurler Syndrome |
| | Krisha Agarwal |
| | Unraveling the Links Between Synesthesia and Autism |
| | Sarah Masud 21 |
| | Mesenchymal Stem Cell Regenerative Therapy in the Spine - Recent Advancements and Possible Applications: A Review Harrison Kennedy |
| | Inside Out: A Brain's Tale of Introverts and Extraverts |
| | Krisha Agarwal33 |
| | Optical Illusions: What Are They, and Why Do They Occur? Ananya Sampathkumar |
| | The Interplay of Cognitive and Emotional Control in Autism Spectrum Disorder |
| | Kaitlyn Tuvilleia |



| Treatment |
|---|
| Casey Meskovich42 |
| Practical Applications of The Circadian Rhythm |
| Erin Ford47 |
| Understanding Common Personality Disorders: the Neurological Basis of OCD, NPD, and BPD |
| Isabelle Afshari52 |
| Can Expressing Gratitude Make You Happier & Healthier? |
| Vani Sharma56 |
| Swearing and the Brain: A Cultural and Emotional Experience Vraj Patel |
| The Use of MRI for the Early Prevention of Alzheimer's Disease Joy Akindulureni |
| How the Brain Creates Predictive Models of the Environment Kaitlyn Tuvilleja 67 |
| Symphonies vs. Silence: How Does Music Affect Work Performance? Sarah Masud |
| Dopamine: A Social Neurotransmitter |
| Vraj Patel74 |
| Impacts of Lifelong Bilingualism on Neurodegenerative Diseases |
| Esther Nam77 |
| |
| Meet the Board85 |
| About the Writers |

