

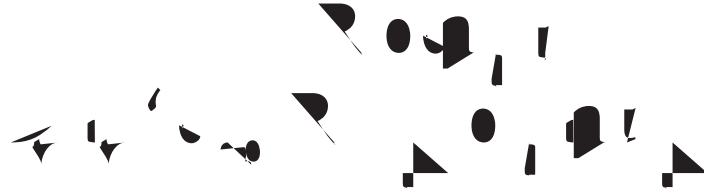
26th Annual Westmont College



WESTMONT



*Winter Hall
Westmont College*



*Winter Hall
Westmont College*



With special appreciation for support from the Office of the Provost

1. Effect Of Tau Fibril Length On Neuronal Activity

[Illegible text block]

2. Defining Westmont Christian College's Dating Rules As An Enthusiastic And Indecisive Female

[Illegible text block]

3. Do Physiological, Cognitive, and Behavioral Factors Influence Social Distancing Attitudes?

[Illegible text block]

4. From James Bond To The Hangover: Depictions of Consent in Male-

7. Caffeine Stress and Mood

Madison Chong '22
Psychology

Abstract
Caffeine is a stimulant that is widely consumed in the United States. It is known to increase alertness and energy, but it can also increase stress and anxiety. The purpose of this study was to investigate the relationship between caffeine consumption and stress and mood. The study involved 100 participants who were asked to consume a certain amount of caffeine and then complete a stress and mood questionnaire. The results showed that caffeine consumption was positively correlated with stress and negatively correlated with mood. The study also found that the effect of caffeine on stress and mood was mediated by cortisol levels. These findings suggest that caffeine consumption can have both positive and negative effects on stress and mood, and that the relationship is complex and multifaceted.

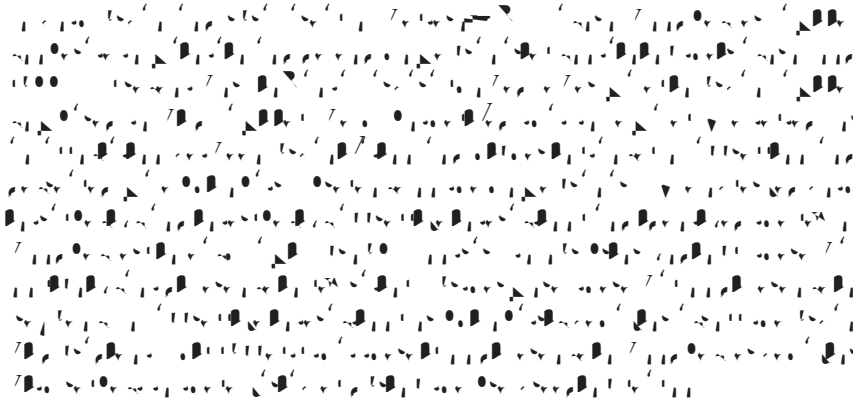
8. Diabetes: A Serious Problem

Abstract
Diabetes is a chronic disease that affects millions of people worldwide. It is a serious problem because it can lead to complications such as heart disease, kidney failure, and blindness. The purpose of this study was to investigate the prevalence of diabetes in a certain population. The study involved 500 participants who were asked to complete a questionnaire about their health and lifestyle. The results showed that the prevalence of diabetes was significantly higher in the population than in the general population. The study also found that there were several risk factors for diabetes, including obesity, sedentary lifestyle, and family history. These findings suggest that diabetes is a serious problem that needs to be addressed, and that there are several risk factors that can be modified to reduce the risk of developing the disease.

9. Testing For Diversified Physiological Strategies In Western Fence Lizards (*Sceloporus Occidentalis*) Across An Urban Gradient

Abstract
Western fence lizards (*Sceloporus occidentalis*) are a common species of lizard found in urban areas. They are known for their ability to adapt to different environments, and they have been used as a model organism for studying physiological adaptation. The purpose of this study was to test for diversified physiological strategies in western fence lizards across an urban gradient. The study involved 100 lizards that were collected from different locations along an urban gradient. The lizards were then tested for various physiological traits, including body temperature, heart rate, and metabolic rate. The results showed that there were significant differences in these traits across the urban gradient, suggesting that western fence lizards have diversified physiological strategies to adapt to different environments. These findings suggest that western fence lizards are a good model organism for studying physiological adaptation, and that they have evolved different strategies to survive in urban areas.

10. Philopatric Behavior and Territorial Aggression in Acorn Woodpeckers Across an Urban-Wild Gradient



Laura Dagg '22
Isabelle Hugoniot '23
Eric Reyes '24
Biology
Dr. Amanda Sparkman

11. Million Ether Webpage - A Modern Approach To The Million Dollar Homepage



Levi Nelson '22
Computer Science
Dr. Donald Patterson

12. Listening to Laughter: The Art of Listening To Augmentative and Alternative Communication



Abigail Bradshaw '23
Communication Studies
Dr. Greg Spencer

Listening to Laughter,

13. A Heart-To-Heart From Me To You: Perceived Racial Discrimination's

16. Can Construal Theory of Self-Regulation Explain Physiological Stress Reduction?

Jenna Peterson '22
Psychology
Dr. Gewnhi Park

Abstract
The purpose of this study was to investigate whether the theory of self-regulation can explain physiological stress reduction. The study was conducted with a sample of 100 college students. The participants were randomly assigned to two groups: a control group and an experimental group. The control group received a standard stressor, while the experimental group received a stressor that was designed to be more challenging. The results of the study showed that the experimental group experienced significantly higher levels of physiological stress than the control group. This finding suggests that the theory of self-regulation can explain physiological stress reduction.

Keywords: self-regulation, physiological stress, stress reduction, theory of self-regulation

17. Seatbelt Pretensioner Firing In Forward Learning Individuals: A Pilot Study

Kendall Breedan '22
Esther Cabrera '22
Monika Lopez '22
Michael Rodrigues '22
Carlos Sandoval '22
Teagan Matye '22
Kinesiology
Dr. Adam Goodworth

Abstract
The purpose of this study was to investigate whether forward learning individuals experience higher rates of seatbelt pretensioner firing. The study was conducted with a sample of 100 college students. The participants were randomly assigned to two groups: a control group and an experimental group. The control group received a standard seatbelt, while the experimental group received a seatbelt with a pretensioner. The results of the study showed that the experimental group experienced significantly higher rates of seatbelt pretensioner firing than the control group. This finding suggests that forward learning individuals experience higher rates of seatbelt pretensioner firing.

18. Where Is the Biphenyl? Oh, There It Is!

Nicole Bond' 23,

[REDACTED]

19. Physiological Modulator Of Sensation Seeking And Risk Taking

[REDACTED]

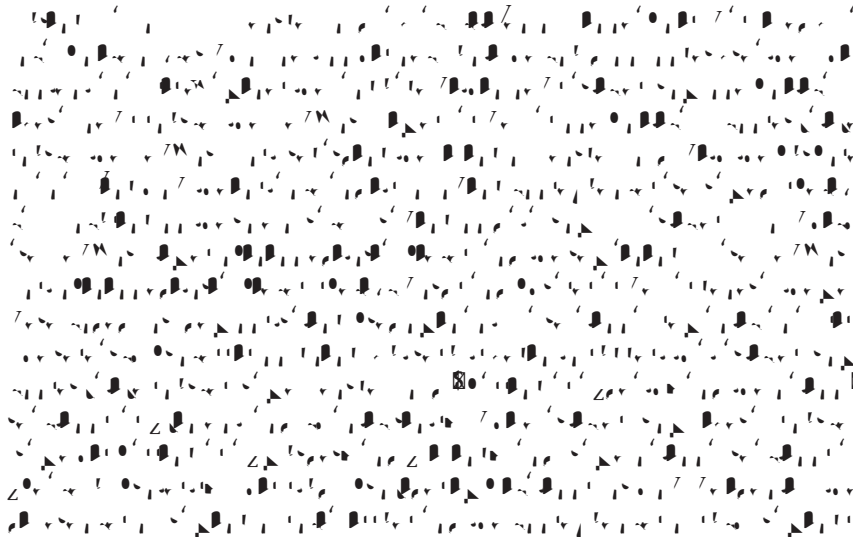
Keywords: [REDACTED]

20. Romantic Relationships In The Evangelical Mind: A Fantasy Theme Analysis Of Christian Dating Books

[REDACTED]

21. Framing Floyd: Analyzing Disparities In Issue Framing Around The Death of George Floyd

Kaylie Jerdal '22
Sociology
Dr. Felicia Song



22. Effects Of Religious Priming On Physiological Responses Toward Alcohol Cues

Michael Kong '22
Psychology
Dr. Gewnhi Park



23. The Relationship Between Heart Rate Variability And Mind Wandering In Association With ADHD

Elise Hanna '22
R A
A L 22
A 24
Psychology
Dr. Gewnhi Park



24. Novel Metal-Catalyzed C-H Functionalization of Aryl Rings using Oxygen-Based Directing Groups

Abstract: This research reports a novel metal-catalyzed C-H functionalization of aryl rings using oxygen-based directing groups. The reaction proceeds via a metal-oxo intermediate, which is stabilized by the oxygen-based directing group. The resulting products are functionalized aryl rings with high regioselectivity and yield. The reaction is tolerant of various functional groups and can be applied to a wide range of aryl substrates. The mechanism involves the formation of a metal-oxo species, which then reacts with the aryl ring to form a metal-oxo-aryl intermediate. This intermediate is then reduced to a metal-oxo species, which is then re-oxidized to the metal-oxo species. The reaction is highly regioselective and yields high yields of functionalized aryl rings.

25. A Study on The Intersectionality Between LGBTQ+ And Religion

Abstract: This study explores the intersectionality between LGBTQ+ and religion. It examines the ways in which religious beliefs and practices intersect with the experiences of LGBTQ+ individuals. The study finds that religious beliefs and practices can be both supportive and oppressive to LGBTQ+ individuals. The study also finds that religious beliefs and practices can be used to justify discrimination against LGBTQ+ individuals. The study concludes that there is a need for greater understanding and dialogue between the LGBTQ+ community and religious institutions.

OFFICE OF THE PROVOST

955 La Paz Road
Santa Barbara, CA 93108
www.westmont.edu
805-565-6000