The Synapse: Intercollegiate science magazine

Volume 20 | Issue 1 Article 17

2019

Front Matter

Follow this and additional works at: https://digitalcommons.denison.edu/synapse



Part of the Life Sciences Commons, and the Physical Sciences and Mathematics Commons

Recommended Citation

(2019) "Front Matter," The Synapse: Intercollegiate science magazine: Vol. 20: Iss. 1, Article 17. Available at: https://digitalcommons.denison.edu/synapse/vol20/iss1/17

This Article is brought to you for free and open access by Denison Digital Commons. It has been accepted for inclusion in The Synapse: Intercollegiate science magazine by an authorized editor of Denison Digital Commons.



Writers

Veronika Danchine
Reuben Dubester
Angel Ehrenschwender
Victoria Fisher
Kileigh Ford
Patrick Gallagher
Anthony Gao
Anna Harrison

Emma Larson
Evelyn Morrison
Cameron Moss
Claire Sullivan Nave
Claire Pommier
Elizabeth Toigo
Ashley Xu

Artists

Maria Altier
Jack Bens
Aria Berryman
Claire Hoy
Claire Kaliski
Annie Karasarides
Cecilia Larson

Emma Larson
Katherine Lindsay
Delaney McRitchie
Roger Ort
Aaron Pavlov
Claire Segura
Georgie Tisdale Steding
Barlow Wagner

Layout Editors

Lillian Enoch Tori Fisher Nina Fox Kirsten Heuring Dylan Joye Emma Keppler Karol Li

Kathy Li Megan McLaughlin Jessica Moskowitz Caroline Pierotti Han Shao Emilee Taxman Yue Yu

Content Editors

Wenna Chen Heather Do Alexandra Du Victoria Fisher Nicole Franowicz Anthony Gao Delaney Kelly Emma Keppler
Katie Koritz
Emma Larson
Sophia Menconi
Maya Neidhart
Caroline Pierotti
Jon (Yanni) Sarrimanolis

Copy Editors

Julia Cooke Kayri Craig Dan Felley Nicole Franowicz Jessica Moskowitz Alexandra Osgood Arin Pavlov
Caroline Pierotti
Elizabeth Rigby
Jon (Yanni) Sarrimanolis
Sarah Scheuer
Zeenat Tabaku

Photographer

Diep Nguyen

Cover Art

Roger Ort

Managing Staff

ENC

Victoria Flsher (OC) Emma Larson (OC)

Managing Editor Kileigh Ford (DU)

Chief Layout Editor Yue Yu (OC)

Art Coordinators Steven Mentzer (OC) Emily Herrold (DU)

Outreach Coordinator Elizabeth Toigo (DU)

Treasurers

Rebecca Fenselau (OC) Casey Pearce (DU)

Liaisons

Emma Larson (OC)

Intercollegiate Coordinator Evelyn Morrison (OC)

Web Manager Miranda Marnik-Said (OC)



Editor-in-Chief

Victoria Fisher (OC '21) is very excited to present the 20th issue of *The Synapse*, her first issue as one of the editors-in-chief. In this issue, we explore components of our world as small as amphetamine molecules traveling through our brain and as large as cosmic events like eclipses. She is very proud of the hardwork and dedication from everyone our contributors - especially those who may have stepped out of their comfort zone by taking on another role. She hopes you enjoy the final issue of this academic year and continue supporting *The Synapse* through your readership and contributions!

Interested in joining our team?
Email us at synapse@oberlin.edu
Visit synapsemagazine.org
Follow us @synapsemagazine on Instragam



Maria Altier OC '19

Featured Contributor

After growing up in a little town of central New York called Freeville, Maria Altier came to Oberlin College. Having contributed to a grand total of eight issues, Maria has been an artist for *The Synapse* since 2017. You can find her illustration for the article, "*The Pill*" *Problem*, on page 20 of this issue. One of the reasons she loves the magazine is that it doesn't place art and science in opposition. Drawing and adventuring through Dungeons and Dragons are some of Maria's favorite pastimes (she particularly appreciates acting as Dungeon Master). If you see someone that looks like her on campus, then you've probably found her twin sister who also goes to Oberlin! With a major in Art History and an intended minor in Chemistry, she hopes to one day become an art conservator.



Elizabeth Toigo DU '21

Featured Contributor

A native Ohioan, Elizabeth Toigo is a psychology major with a neuroscience concentration at Denison University. She has worked as a writer and as the Denison Outreach Coordinator for about a year. In addition to her contributions for The Synapse, Elizabeth serves as the president of the volleyball club, a peer mentor, a tour guide, and an active member of Sigma Xi, Psi Chi, and the Phi Society. She appreciates The Synapse for giving students a platform to explore their interests within the science community, so that we can stay aware in spite of jargon commonly found in most scientific literature. She is also a huge fan of Disney movies because they inspire people of all ages. After graduation, Elizabeth wants to go into the medical field and potentially become a physician assistant in neurology.

Contents

Astronomy	
Time Behind a Shadow	4
Chemistry	
The Biochemistry of Luster Dust	6
Neuroscience	
Lucid Dreaming	8
A College Student's Life Living From Nap to Nap	10
Dance and The Empathetic Mind	12
Biology	
Insect Allies Low Gut Microbiota Levels Afford the Development of Depression and Anxiety The Master Mind of Your Diet	
Mathematics	
Unwinding the Web	16
Medicine	
"The Pill" Problem	18
Adderall	20
Environment	
Foldascope	22
Big Idea	
Electronic Health Records and Patient Care How to Fake a Face	24 26
Science Fiction	

28

Iris