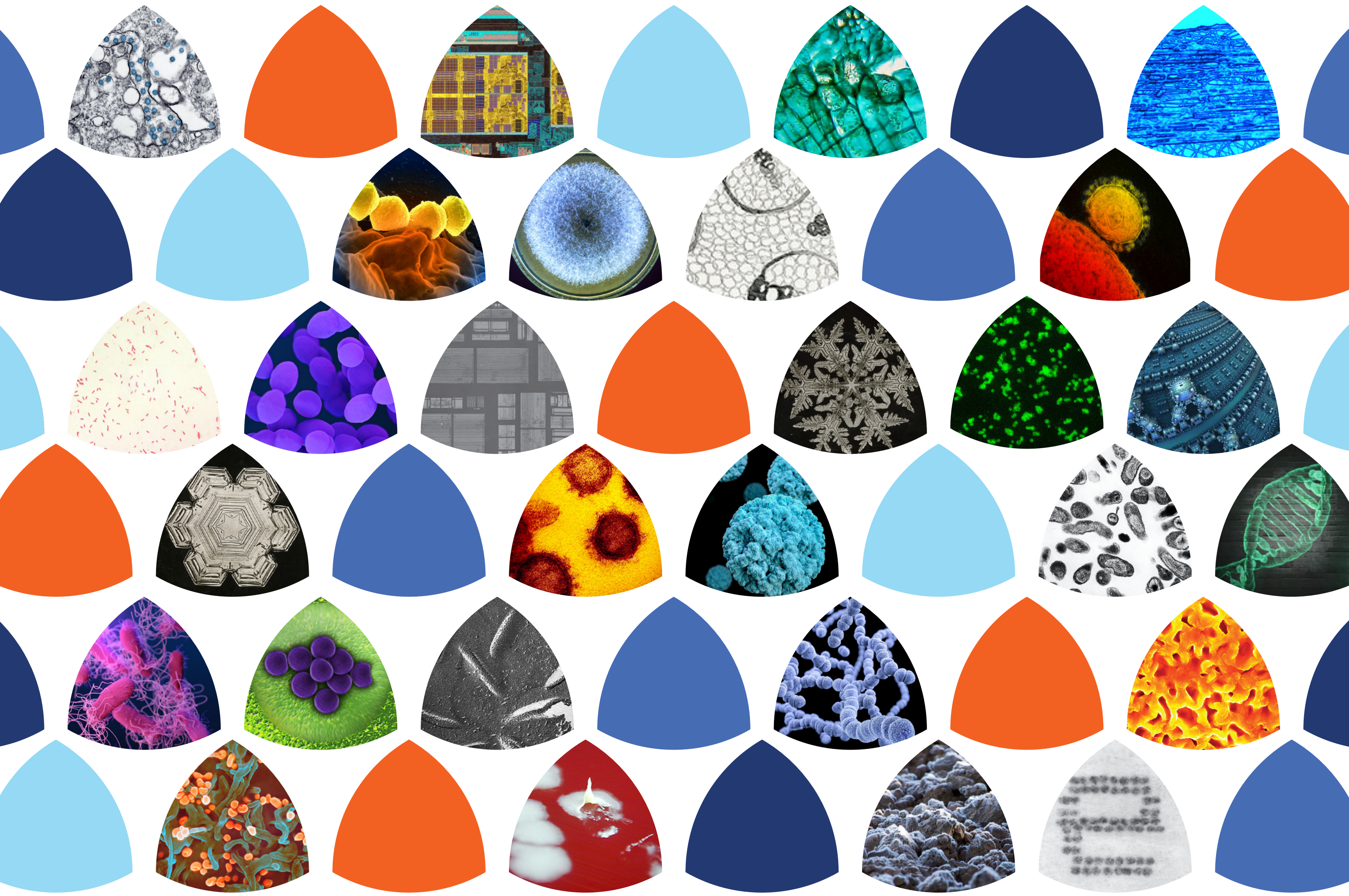
Reuleaux

The Mines Undergraduate Research Magazine



Inspiration from Microscopic Places

Reuleaux

2021

Dear Reader,

Welcome to the third annual edition of Reuleaux: The Mines Undergraduate Research Magazine! Reuleaux is a peer-edited magazine produced by and for students at the Colorado School of Mines to publish the hard work of all the undergraduate researchers on campus. Our mission is to celebrate the efforts, accomplishments, and creativity of student researchers on campus by creating engaging narrative descriptions of their research that is accessible, exciting, and valuable for the entire scientific community.

In this edition of Reuleaux, you will learn about how educational psychology can be used to improve student learning, how extracellular vesicles aid in inter-cell communication and their application to biofuel production, the application of DNA sequencing to craft beer fermentation, and much more! This edition also looks at one of the most unique programs here at Mines, the Payne Institute for Public Policy which works to create dialogue and inform research on energy and environmental policy at this critical moment in history, while also creating opportunities for undergraduate research via the Payne Scholars Program.

In addition, this year at Reuleaux we officially started our peer review process and the Reuleaux Writing Grant as a way to expand the content of the magazine and support our amazing authors in their writing process!

None of this work would have been possible without the support of Mines Undergraduate Research and the University Honors and Scholars Programs at Mines. We also need to recognize all the hard work and dedication of our authors and peer-reviewers who have been amazing as we work to refine our process during these hectic times.

We are proud to present to you the newest edition of Reuleaux, which continues the amazing work of years past and continues our journey to learn and evolve as a publication. We hope that you enjoy Reuleaux 2021 as much as we enjoyed creating it!

Kacey Wade, Editor in Chief

Kacey Wade

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Peer Reviewed Articles

This year, several pieces successfully completed Reuleaux's peer review process. Such pieces can be recognized by inclusion of the following seal at the beginning of the article.