EDITORIAL

When the COVID-19 Pandemic Changed Neuroscience Education

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Whether it be physically, financially, and/or emotionally, everyone has been affected by the COVID-19 pandemic. I suspect that most readers of this editorial have also been affected professionally, in their duties as a neuroscience educator, campus community member, and/or research mentor.

Beginning in early March, US colleges and universities moved to online and virtual education. This type of instruction has continued for summer classes and will likely continue into the fall semester for many institutions. Such a rapid and drastic change in educational delivery method has had profound effects on students and educators that will last even after a vaccine or effective treatment for COVID-19 is developed. I am certain that we will see articles in forthcoming issues of JUNE that describe the innovative ways that the neuroscience education community dealt with online instruction during the pandemic.

The spring 2020 issue of JUNE reflects manuscripts submitted what seems like ages ago, when students and faculty were together (physically) in the lecture hall or teaching laboratory. For example, articles by Rollins (2020), Ng and Newpher (2020), and Vidal (2020) describe case-based learning, team-based learning, and activelearning neuroscience courses. Articles by Haskew-Layton and Minkler (2020), Rothhass et al. (2020), and Ewing and Medler (2020) describe laboratory-based courses using chick primary cells, drosophila, and crayfish (respectively). An article by Toledo et al. (2020) describes an undergraduate-led neuroscience outreach program for middle-school students and an article by my colleagues and I (Ramos et al., 2020) describes increased membership in the undergraduate Society Neuroscience (SfN) and attendance at SfN annual meetings.

Since the very first issue of JUNE was published in 2002, the footer of every manuscript has had the following text: "JUNE is a publication of Faculty for Undergraduate Neuroscience (FUN)." This is a reminder to our readers that JUNE was created and financed by FUN to be an open-access and respected neuroscience education journal. With this historical context in mind, JUNE is proud to publish the FUN statement on diversity, equity, and inclusion in this issue. The editorial board and I will make certain that the four powerful commitments outlined in the FUN statement on diversity, equity, and inclusion will be

reflected in future content found in JUNE as well as in the policies and practices of this journal.

REFERENCES

Bayline RJ, Morrison ME, Illig KR, Martinez-Acosta VG, Becker LA, Favero CB, McFarlane HG, Chase LA, Banks SML, Griffin GD, Robinson S, Rose JK, Tong MT, Basu AC, Chan JP (2020) Faculty for Undergraduate Neuroscience (FUN) Statement on Diversity, Equity, and Inclusion. J Undergrad Neurosci Educ 18(2):E4-E5.

Ewing MD, Medler S (2020) Quantifying the Effects of Two Local Anesthetics on the Crayfish Stretch Receptor Organ: An Integrated Neurophysiology Lab. J Undergrad Neurosci Educ 18(2):A121-A128.

Haskew-Layton RE, Minkler JR (2020) Chick Embryonic Primary Astrocyte Cultures Provide an Effective and Scalable Model for Authentic Research in a Laboratory Class. J Undergrad Neurosci Educ 18(2):A86-A92.

Ng M, Newpher TM (2020) Comparing Active Learning to Team-Based Learning in Undergraduate Neuroscience. J Undergrad Neurosci Educ 18(2):A102-A111.

Ramos RL, Comiskey M, Dowling J, McFarlane HG, Betz AJ. (2020) Undergraduate Participation in the Society for Neuroscience. J Undergrad Neurosci Educ 18(2):A129-A133.

Rollins L (2020) Meningitis in College Students: Using a Case Study to Expose Introductory Neuroscience Students to Primary Scientific Literature and Applications of Neuroscience. J Undergrad Neurosci Educ 18(2):C8-C11.

Rothhaas S, Wright MC, Swanson C (2020) Using *Drosophila* Motor Mutants to Teach Neurodevelopment in an Undergraduate Neurobiology Lab. J Undergrad Neurosci Educ 18(2):A93-A101.

Toledo MA, Koochak N, Gupta A, Lopez LN, Nieri T, Currás-Collazo MC (2020) Interactive Student-Centered Neuroscience Workshops for Sixth Graders Enhance Science Knowledge and Education Attitudes. J Undergrad Neurosci Educ 18(2):A75-A85.

Vidal GS (2019) Cocktail Napkin Presentations: Design of an Activity to Enhance Undergraduate Communication and Critical Evaluation of Neuroscience Primary Literature. J Undergrad Neurosci Educ 18(2):A112-A120.

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