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Titan Success: Faculty Behind the Scenes, September

Thorpe Center

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FACULTY BEHIND THE SCENES

The latest in Titan Success, making Tommy proud.

In This Issue

Dr. Harper in the Media

Dr. Schwend's Healing Vision

Dr. Spalding is Movin' on Up

Don't forget to fill out the Faculty and Staff Achievement form with all of the fun stuff that happened over summer! Publications, research, conferences, and competitions are some examples. No accomplishment is too small or too big!



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Newsletter construction by Shea Atkins '23
Hispanic Studies



DATES TO REMEMBER



- Sept. 23: Deadline for course fees and software requests due
- Oct 1, 4pm: Second round of ASD, CPD, and CD grants due to FDC and CETAL
- Oct 1, 4pm: Proposals for spring 2023 Faculty Colloquium Series due to thorpe@iwu.edu
- Oct. 11: Sabbatical leave and pre-tenure leave applications due to supervisor
- Nov. 1: Sabbatical leave and pre-tenure leave applications due to fdc@iwu.edu
- Nov. 4: Deadline to submit new or significantly revised majors, minors, concentrations to CC

Dr. Harper in the Media

The George C. Lewis and Ella Beach Lewis Endowed Chair of Biology, Dr. Harper, was featured in an article by the "NPR Midwest Newsroom and the Missouri Independent organization that investigated the presence of lead in ground venison donated to food banks. He also participated in a panel discussion about this issue in the River to River Program on Iowa Public Radio".

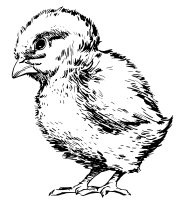


Credit: Billy Pope,
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Dr. Schwend's Healing Vision

Associate Professor of Biology, Dr. Schwend states "I have a long-running interest in studying how the cornea acquires nerves during development. My IWU students and I study this question using developing, embryonic chicks. These nerves, which function at the outer surface of the cornea to keep it safe by detecting and perceiving dust, dirt, germs and debris on the eye's surface, must then regenerate its cut ends through wounded corneal tissue. In other words, the nerves must revert to their 'developing' state in the wounded, adult eye and, for the first time since embryonic/fetal development, commence growing and traversing through the cornea to its outer surface. Even more, adult human nerves regenerate slowly and incompletely but nerve regeneration in the chick embryo corneas is rapid and nearly indistinguishable from unwounded corneas. For these reasons, there is much excitement surrounding the embryonic chick as a new animal model for studying the biology of how a wounded cornea can heal scar-free with intact nerves! My long-time research student, Manish Pathuri '22, and I recently published the article entitled "Investigating Scarless Tissue Regeneration in Embryonic Wounded Chick Corneas" in the *Journal of Visualized Experiments*. This article will hopefully make it possible for more labs worldwide to have access to the technique and help researchers and ophthalmologists gain more tricks and treatments options for healing wounded corneas more completely following elective or non-elective, trauma corneal surgeries".

Excerpt from Dr. Schwend's survey submission Aug 8, 2022



Dr. Spalding is Movin' on Up

B. Charles and Joyce Eichhorn Ames Professor of Physics, Dr. Spalding, has recently been elevated to the grade of IEEE Senior Member. IEEE Senior Membership is only bestowed upon those with significant contributions to their profession. This elevation is recognition for technical and professional excellence.



credit: iwu.edu



In Other News...

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