



## Ohio Faculty Council

*Chair, Laura Luehrmann, Wright State University  
Vice-chair, Ben Givens, Ohio State University  
Secretary, Ken Hayes, Central State University*

November 2022

The Ohio Faculty Council Technology Commercialization award 2023 is given to two innovators, **Dr. Andrew Jones** Assistant Professor of Chemical, Paper, and Biomedical Engineering at Miami University and **Dr. Mellissa Bailey**, Professor of Optometry at Ohio State University.

The judges note that Dr. Jones' inventions are genetically engineered bacterial cells that are useful for the biological production of small molecule therapeutics. The initial target for this technology is the treatment of depression, anxiety, post-traumatic stress disorder (PTSD), addiction, and obsessive-compulsive disorder (OCD) by the appropriate administration of biologically produced psilocybin or chemically modified derivatives of this molecule. The fundamental genetic engineering technology is being created by the company, PsyBio Therapeutics, which has the further potential to develop bioproduction processes for a wide range of small molecule therapeutics for mental illnesses. [Click here](#) for more information about Dr. Jones research.

For Dr. Bailey's innovation, the judges note that the bifocal contact lens technology has been advanced to create and manufacture a consumer product, APIOC, that treats the widespread age-related problem of the loss of ability to focus on close objects (Presbyopia). The [Presbyopic contact lenses](#) has been licensed by the company Lentechs. The fundamental contact lens technology that has been invented and patented by Dr. Bailey has the capability to be applied to difficult to address vision problems such as astigmatism.