



Contribution ID: 414

Type: **Talk (preferred)**

The effect of discrete wavelengths of visible light on the developing murine embryo

Thursday 15 December 2022 14:45 (15 minutes)

Light is present throughout the process of IVF. However, its impact on embryos remains unknown. Here we controlled for equivalent energy dose of light applied across wavelengths and found longer wavelengths of light to be detrimental to the embryo.

Author: CHOW, Darren Jin Xiang

Co-authors: CAMPUGAN, Carl (The University of Adelaide); Dr LIM, Megan (The University of Adelaide); TAN, Tiffany (The University of Adelaide); LI, Tong (The University of Adelaide); SAINI, Avishkar (The University of Adelaide); ORTH, Anthony (National Research Council of Canada); REINECK, Philip (Royal Melbourne Institute of Technology); SCHARTNER, Erik (Institute for Photonics and Advanced Sensing); Prof. THOMPSON, Jeremy (The University of Adelaide); Dr DUNNING, Kylie (The University of Adelaide); Prof. DHOLAKIA, Kishan (Institute for Photonics and Advanced Sensing)

Presenter: CHOW, Darren Jin Xiang

Session Classification: AIP: Biomedical and Medical Physics

Track Classification: AIP Congress: AIP: Biomedical and Medical Physics