

Session Program

11-16 Dec 2022



24th Australian Institute of Physics Congress

AIP: Biomedical and Medical Physics

Thursday 15 December

14:00

AIP: Biomedical and Medical Physics: BMP 1

Session | **Location:** Adelaide Convention Centre, Room E2 | **Conveners:** Prof. Eva Bezak, Stephen Tronchin

14:00-14:15

Tracking the nuclear wide dynamics of live cell nucleosome proximity by fluorescence anisotropy imaging of histone FRET

Speaker

Dr Elizabeth Hinde

14:15-14:30

ABCDE: Assessing Blood vessels for Cardiovascular Disorders through the Eye

Speaker

Hadi Afsharan

14:30-14:45

A Systematic Review of the Proton and Carbon FLASH Effect

Speaker

Jake Atkinson

14:45-15:00

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

Speaker

Darren Jin Xiang Chow

15:00-15:15

Reducing Uncertainty in Proton Therapy Treatment Planning

Speaker

Melissa McIntyre

15:15-15:30

Modelling the effect of daughter migration on dosimetry estimates for Actinium-225 in Targeted Alpha Therapy

Speaker

Stephen Tronchin

15:30