



# Biophysics in Africa - 2026

## Wednesday 25 March 2026

### **Biophotonics (15:00-17:00)**

time	[id] title	presenter
15:00	[23] The efficacy of PAM fluorometry as a tool to quantify heat stress in wheat	BURNETT, Sarah
15:20	[26] BALANCING CELL COMPATIBILITY AND ANTIMICROBIAL EFFECTS OF 470 NM IN AN INFECTED HYPERGLYCAEMIC WOUND CELL MODEL	Mr OBENG BRENYA, Francis
15:40	[22] Laser-Based Photobiomodulation Enhances Beta Cell Differentiation and Functional Insulin Production in Immortalised Adipose-Derived Stem Cells	DARAMOLA, Olukemi
16:00	[57] The artificial optical microscope.	DIASPRO, Alberto
16:20	[25] Parameter study and optimization of real-time single-particle tracking	Mr VAN NIEKERK, Salomon
16:40	[71] Optimizing Photobiomodulation For Smooth Muscle Differentiation of Adipose-Derived Stem Cells Using Retinoic Acid and TGF $\beta$ in a Two-Dimensional Model	MBUYU, Christevie