

2022 Young researchers biophotonics winter meeting

December 14th. 15.00-17.30

15:00–15:10

WELCOME Vision Science Committee @SEDOPTICA

M Viñas-Peña | Spanish National Research Council

15:10–16:00

KEYNOTE SPEAKER

Seeing cells in the living retina

Jennifer Hunter | University of Waterloo

Moderator. M Viñas-Peña | Spanish National Research Council

16:00–16:45

BIOPHOTONICS ENGINEERING

Optical quality degradation caused by astigmatism in model eyes with intraocular lenses

Juan Antonio Azor Morón | Polytechnic University of Catalunya

Analytical Ray Transfer Matrix for Crystalline GRIN Lens Models.

Verónica Lockett | University of Zaragoza

Corneal endothelium assessment in specular microscopy images with Fuchs' dystrophy via deep learning.

Juan Sebastián Sierra Bravo | Technological University of Bolivar

Discussion

Moderator. Fran Ávila | University of Zaragoza

16:45-17:30

CLINICAL APPLICATIONS

The accommodative response in the fogging technique.

Aina Turull-Mallofré | Polytechnic University of Catalunya

Binocular Simultaneous Vision Simulator: implementation of SimVis Gekko in the clinical environment

Xoana Barcala | 2EyesVision

Effect of peripheral refractive error on driving while performing secondary tasks.

Sonia Ortiz Peregrina | University of Granada

Discussion

Moderator. Mikel Aldaba | Polytechnic University of Catalunya

17:30-17:35

CLOSING REMARKS

++ INFO & REGISTRATION

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