

Session Program

Feb 15 - 19, 2016

ICTR-PHE 2016

Oral poster presentation- Physics/Biology

Centre International de Conférences de Geneve (CICG)
International Conference Centre Geneva 17, rue de Varembeé CH- 1211 Geneva 2

Wed, February 17

2:15 PM

Oral poster presentation- Physics/Biology

Session |

Location: Centre International de Conférences de Geneve (CICG), 4, International Conference Centre Geneva 17, rue de Varembe CH- 1211 Geneva 2 |

2:15 - 2:25 PM

Proton Minibeam Radiation Therapy (pMBRT): implementation at a clinical center

Speaker

Cécile Peucelle

Location

Centre International de Conférences de Geneve (CICG), 4, International Conference Centre Geneva 17, rue de Varembe CH- 1211 Geneva 2

2:25 - 2:35 PM

Investigation of the use of inhomogeneous fractional dose distributions in IMPT to improve the therapeutic index

Speaker

Lorenzo Manganaro

Location

Centre International de Conférences de Geneve (CICG), 4, International Conference Centre Geneva 17, rue de Varembe CH- 1211 Geneva 2

2:35 - 2:45 PM

Accuracy of portal dosimetry in hybrid IMRT and VMAT treatment of the prostate

Speaker

James Bedford

Location

Centre International de Conférences de Geneve (CICG), 4, International Conference Centre Geneva 17, rue de Varembe CH- 1211 Geneva 2

2:45 - 2:55 PM

ODSH as a countermeasure for radiation-induced thrombocytopenia: Dosimetric studies

Speaker

Stephen Avery

Location

Centre International de Conférences de Geneve (CICG), 4, International Conference Centre Geneva 17, rue de Varembe CH- 1211 Geneva 2

2:55 - 3:05 PM

Measurements of Reactive Oxygen Species production induced by Gold Nanoparticles in Radiotherapy protocols

Speaker

Piergiorgio Cerello

Location

Centre International de Conférences de Geneve (CICG), 4, International Conference Centre Geneva 17, rue de Varembe CH- 1211 Geneva 2

3:05 - 3:15 PM

NanoxTM: A new multiscale theoretical framework to predict cell survival in the context of particle therapy

Speaker

Micaela Cunha

Location

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3:15 - 3:25 PM

Simulation of cell survival for proton broad and minibeam radiotherapy with hexagonal and square minibeam alignment

Speaker

Matthias Sammer

Location

Centre International de Conférences de Geneve (CICG), 4, International Conference Centre Geneva 17, rue de Varembe CH- 1211 Geneva 2

3:25 - 3:35 PM

Microbeam Radiation Therapy (MRT): achievements and future perspectives

Speaker

Elke Bräuer-Krisch

Location

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3:35 - 3:45 PM

The role of adipose stromal cells for reversal of radiation fibrosis

Speaker

Fei-Fei Liu

Location

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3:45 PM