

## PhysiGIST Schedule - May 28<sup>th</sup> 2020

Time	Student	Presentation Title	Cluster
<b>Session 1</b>			
<i>Chairs</i>	N.Guegan	J. McGrath, K. Fossum	
9:30 - 9:40	Ratul Biswas	3D inscription of mesoporous carbon inside flexible polymers using ultra-short laser pulses	NCLA - PS
9:40 - 9:50	Ayesha Sharif	Ultrashort laser additive manufacturing	NCLA - GOC
9:50 - 10:00	Duré Basit	Laser-induced graphene temperature sensors for smart wound monitoring	<i>MSc KET-NCLA - PS</i>
10:00 - 10:10	Mirella Ejiugwo	Bioengineering robust, personalized and scalable 3D in vitro diabetic foot ulcer models for drug testing	NCLA - GOC/GG
10:10 - 10:20	Rajib Dey	Development of fiber based high resolution SD-OCT system using supercontinuum light source and its application in detecting nanoscale changes	Medical Physics - ML
10:20 - 10:30	Aaron Croke	Nanostar modelling for uncovering some STEM cell truths	Medical Physics - ML
10:30 - 10:40	Dr Kate Pattle	A short tour of astrophysics at NUIG	<i>Postdoc - Astronomy</i>
10:30 - 11:00	Q&A		
<i>Break 11:00 - 11:15</i>			

Session 2			
<i>Chairs</i>	A.Sharif	M. Krasny, K. Pattle	
11:15 - 11:25	Adriana Cardinot	The science behind learning: how games can affect students' understanding of astronomy	JF/VMC
11:25 - 11:35	Alice Selby	Neuromorphic planar nanowire networks	JF
11:35 - 11:45	Valentina Giunta	Lower atmosphere processes affecting the surface ocean: mixed and mixing layer depths	CCAPS - BW
11:45 - 11:55	Wei Xu	Source apportionment of near-hydrophobic particles in marine air masses and its climate implication	CCAPS - COD
11:55 - 12:05	Ciarrai O'Toole	Secondary exposure to aerosol emitted during respiratory therapy	CCAPS - MB
12:05 - 12:15	Dr Fiona Kenny	Current research in applied optics	<i>Postdoc - Optics</i>
12:15 - 12:45	Q&A		
<i>Lunch 12:45 - 13:40</i>			
13:40	Winners Announced!		