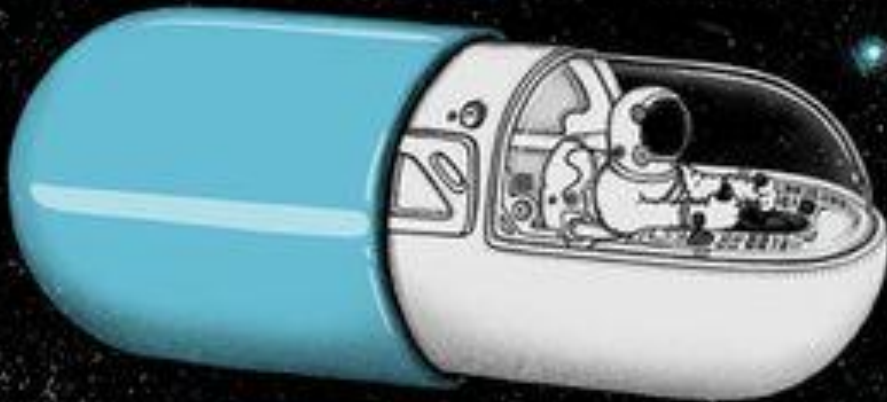


DropTES 2018

Interaction of laser exposed medicine droplets
with target surfaces under microgravity conditions



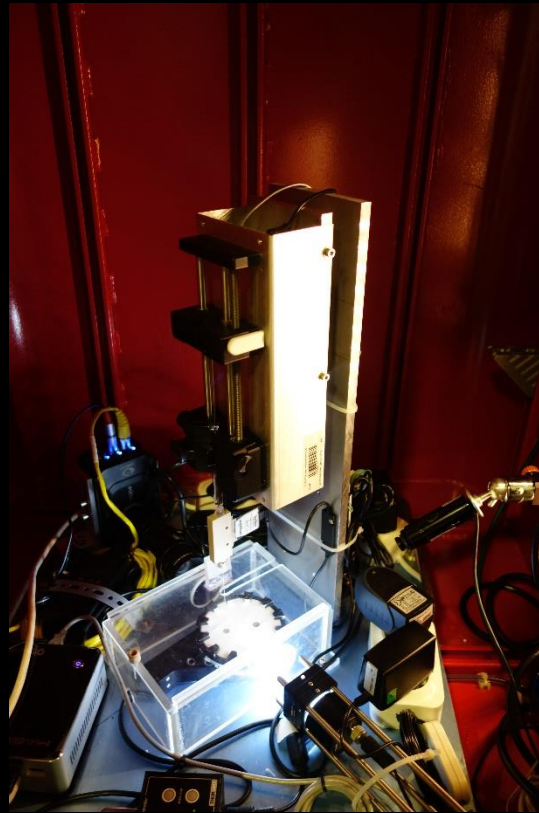
How did we get to know about the opportunity?

- Daniel García Yárnoz's presentation at the Hypergravity Workshop:
Human Space Technology Initiative (HSTI) activities of UNOOSA



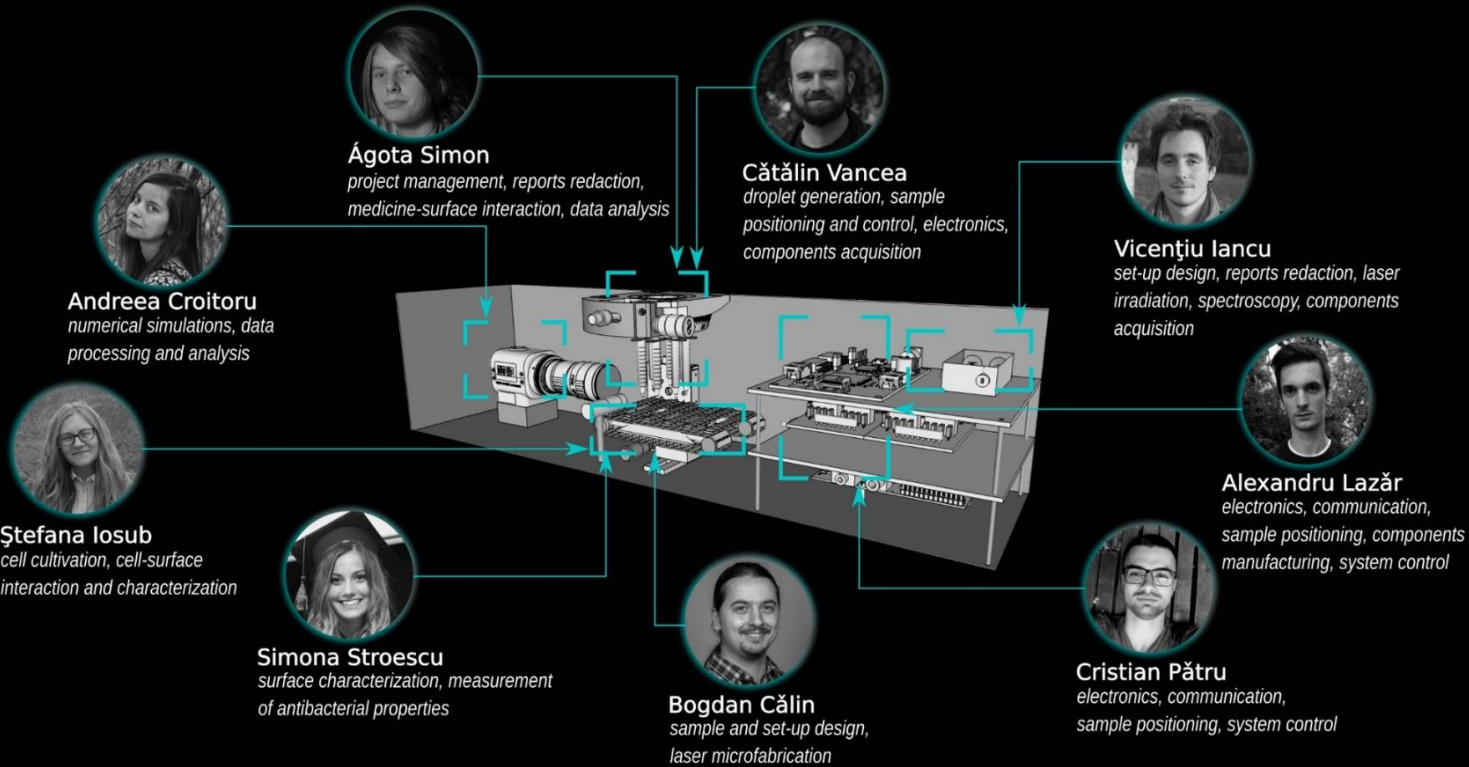
Why did we apply to DropTES?

- Previous experiments performed in the Laser Spectroscopy and Optics laboratory of the National Institute for Laser, Plasma and Radiation Physics (Măgurele, RO)
- Previous experiment carried out within ESA's Spin Your Thesis! programme at the Large Diameter Centrifuge at ESTEC (Noordwijk, NL)



How has participating in DropTES changed the environment around us?

- Progress in our scientific knowlegde
- New connections
- SPIE Optics and Photonics Education Scholarship
- Best Student Presentation at ISCP-INDLAS 2018 international conference (Alba Iulia, RO)
- New project opportunities: Long-term microgravity studies



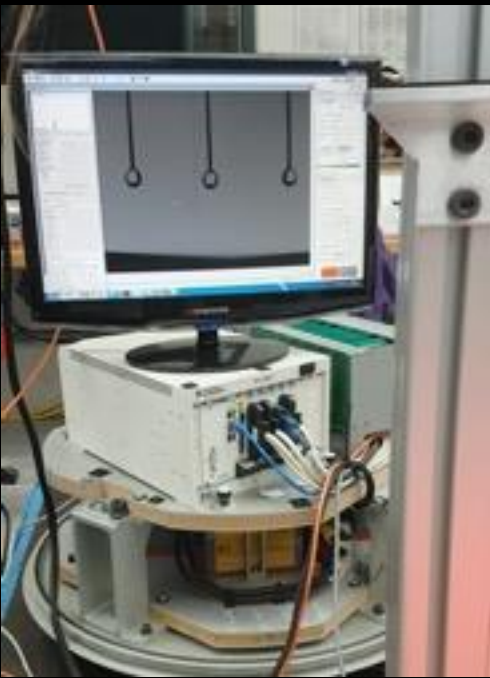
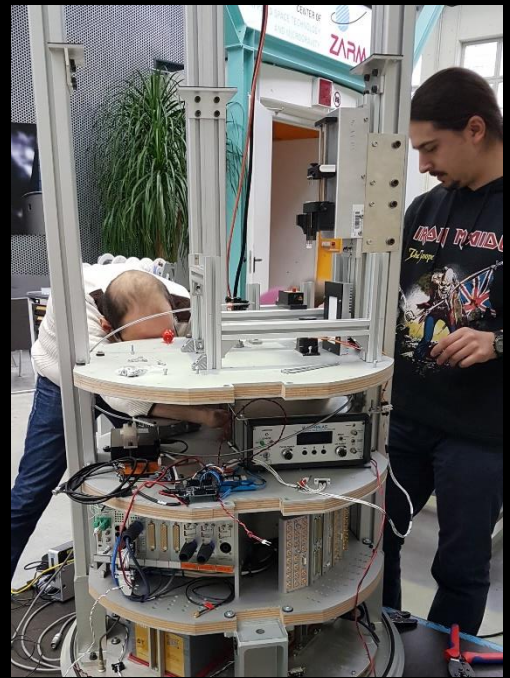
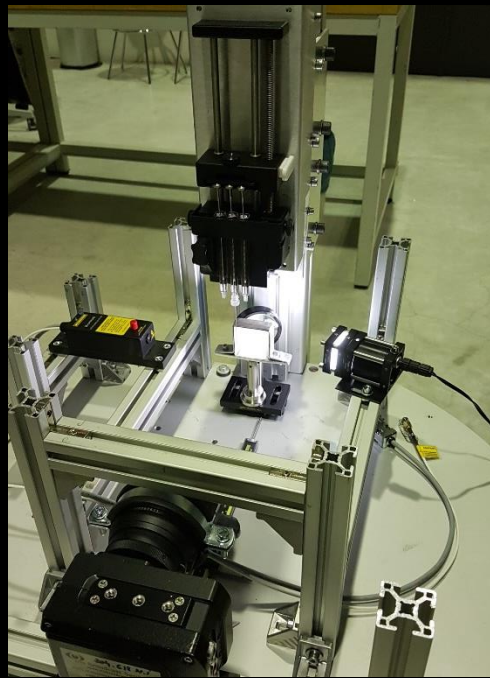
The DropTES 2018 student team preparing the experiment



The DropTES 2018 team in the Control Room



Impressions from the DropTES 2018 campaign



Having fun during the DropTES 2018 campaign



The DropTES 2018 team



Team Leader

Mihail-Lucian Pascu

Student Team Leader

Ágota Simon

Team Members

Bogdan-Ştefăniţă Călin

Dumitru-Cristian Trancă

Ioana-Simona Nistorescu

ZARM Deputy Scientific Director/
DropTES coordinator
Thorben Könemann

ZARM Engineers
Fred Oetken
Jan Siemer

UNOOSA Expert/
DropTES coordinator
Ayami Kojima

Thank you!



National Institute for Laser, Plasma and Radiation Physics

