Script for ESOcast 201 Light: ATTRACT

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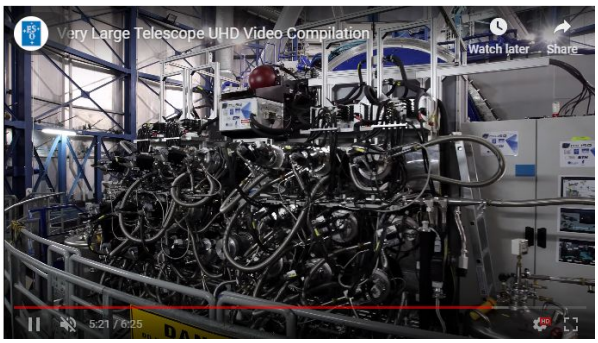
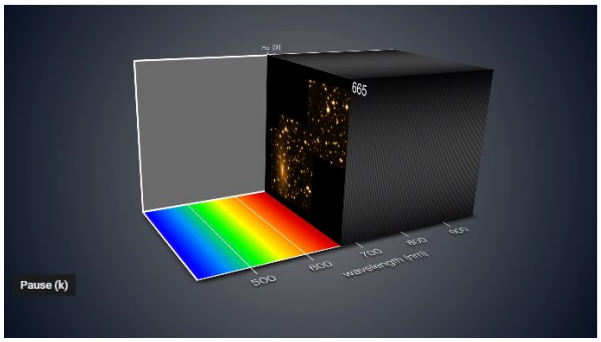
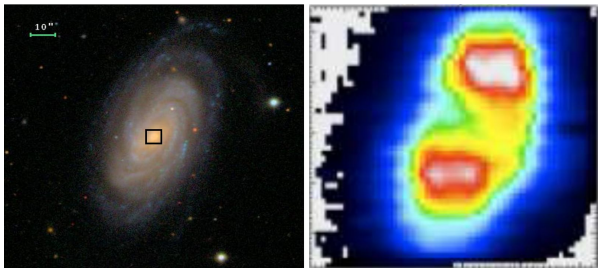
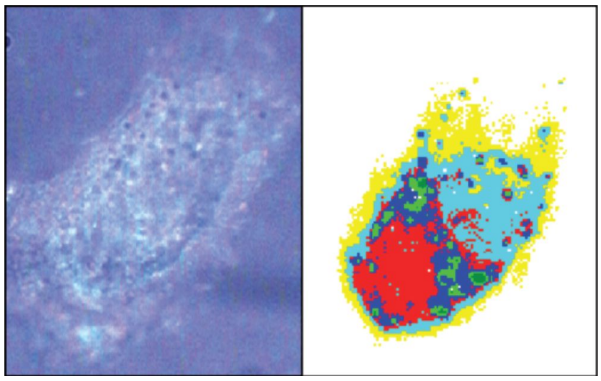
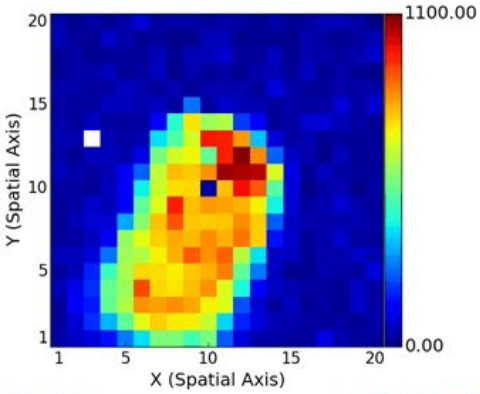
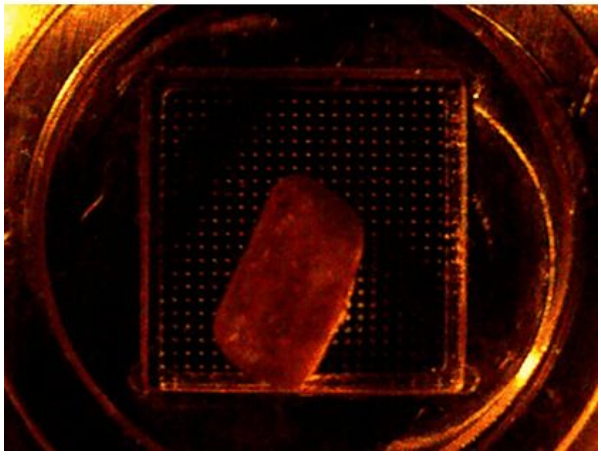
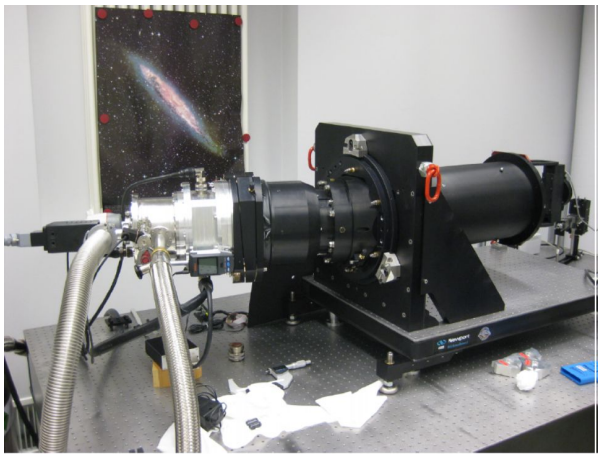
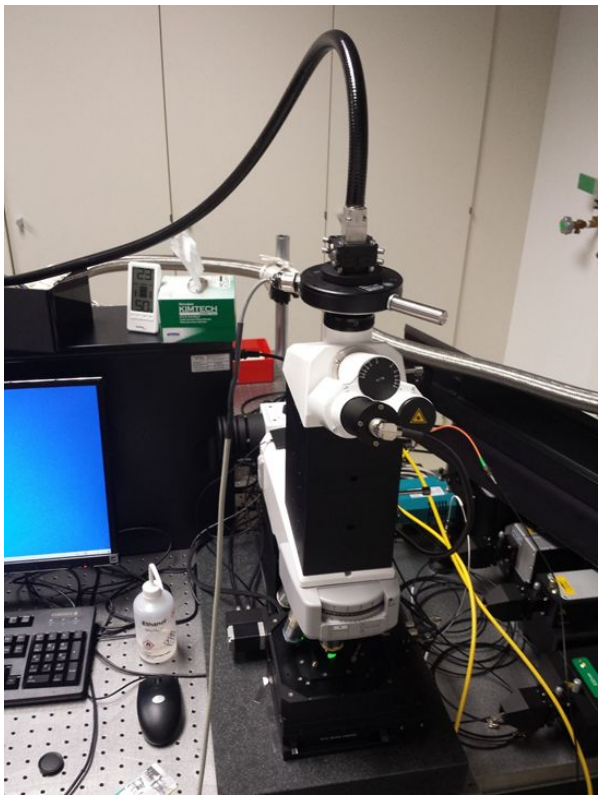
[Visual starts] **New ESOcast intro**	New ESOcast introduction
Title: ATTRACT Selects Breakthrough Projects	
1. 170 breakthrough technology concepts have each won a **€100,000 funding boost from ATTRACT.**	Perhaps: Earth from space.https://www.eso.org/public/videos/earth_2015_4k/
2. The projects propose **new technologies** with the **potential to change society**.	
3. One of the selected projects will bring **astronomical technology to bear against cancer.**	 https://www.eso.org/public/images/eso1724d/ Or https://www.eso.org/public/videos/PAOcompilation2017/ (from 11:55-12:07) orhttps://www.eso.org/public/videos/uhd_comp_vlt_2014/ (at 5:20 min)

4. The MUSE instrument on ESO's Very Large Telescope uses **integral field spectroscopy to dissect galaxies.**	 https://www.eso.org/public/videos/eso1437b/
5. This technique can also be used to **recognise cancerous tissue in humans...**	 ADD on top: Westoby *et al.* (2012)

6. ...providing a **promising alternative** to taking **invasive tissue samples.**	 ADD on top: Krafft *et al.* (2009)
7. The key is to **make the technique work fast enough for a clinical setting...**	Animation showing fast raman spectroscopy, side by side  

8. ...taking **MUSE technology** from studying galaxies to **studying diseases.**	 cross-fade  https://www.eso.org/public/videos/uhd_comp_vlt_2014/ (at 5:20 min) or https://www.eso.org/public/images/eso1724d/
00:00 **[Outro]**	*Produced by ESO, the European Southern Observatory.* *Reaching new heights in Astronomy.*