



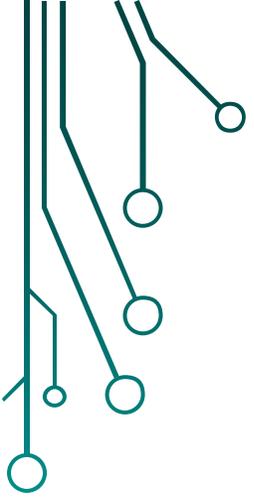
WHAT'S HEALTHCARE ROBOTICS ?



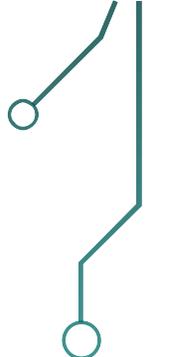
Maria Bulgheroni



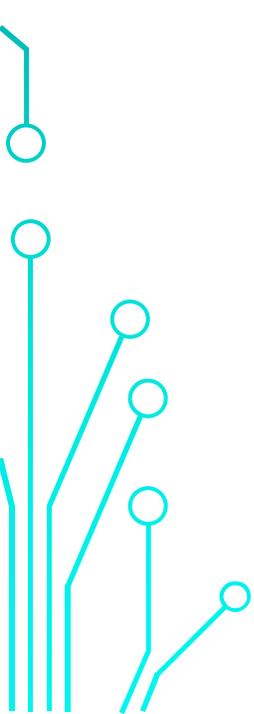
"This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731726"

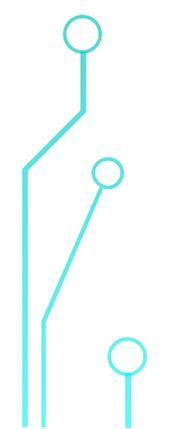


HEALTHCARE ROBOTICS



Selected intervention areas:

- Pharmaceuticals delivery
 - Cancer therapy
 - Assistive technology
 - Precision surgery
- 



REELER

PHARMACEUTICS



<http://www.kirbylester.com/>



MEDICATIONS' DELIVERY



https://www.youtube.com/watch?v=BOnsjpp6a_g



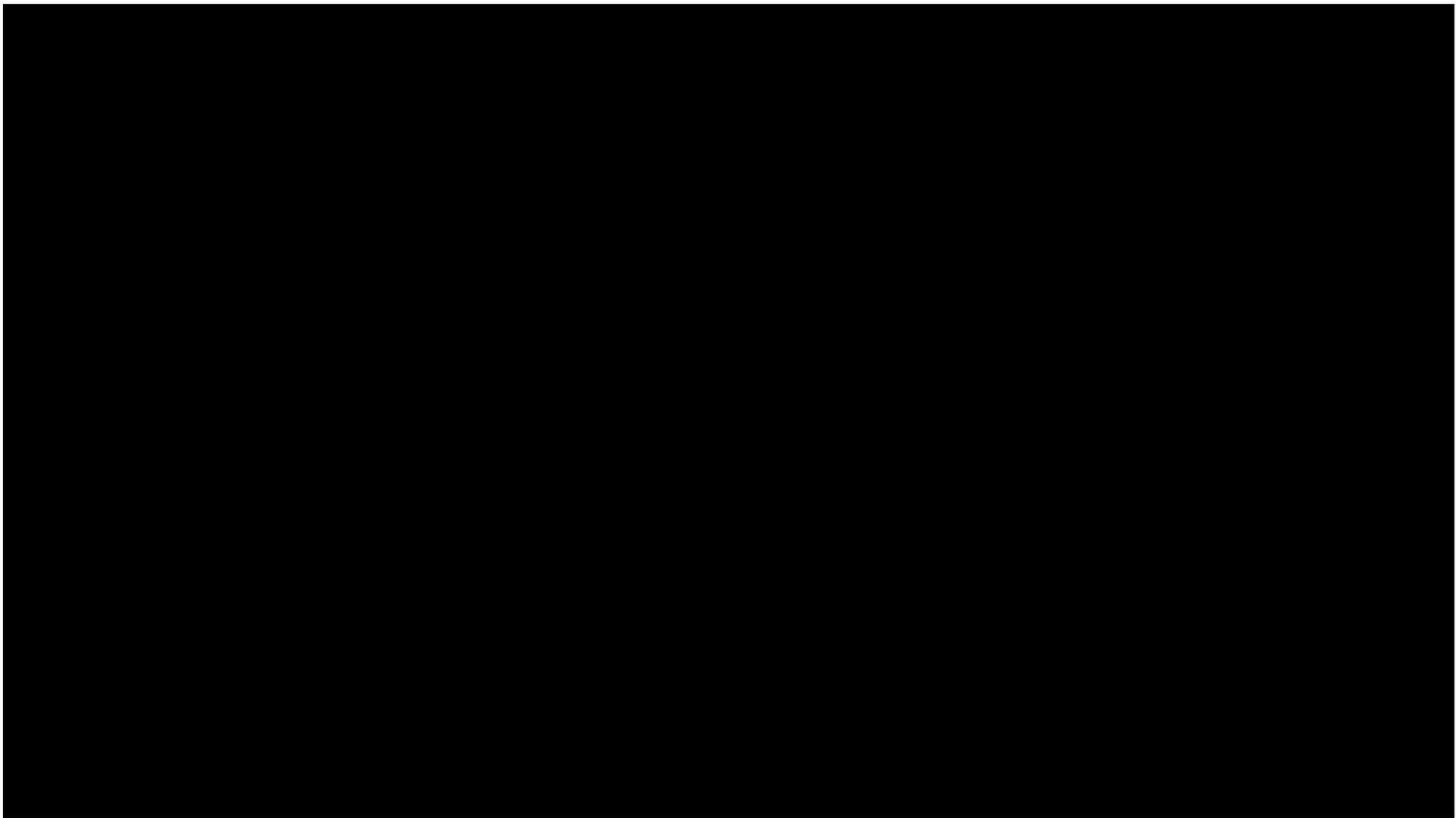
CANCER THERAPY



<http://www.cyberknife.com/technology>



THERAPY DELIVERY



<https://www.youtube.com/watch?v=0AX-sqaWEj4>

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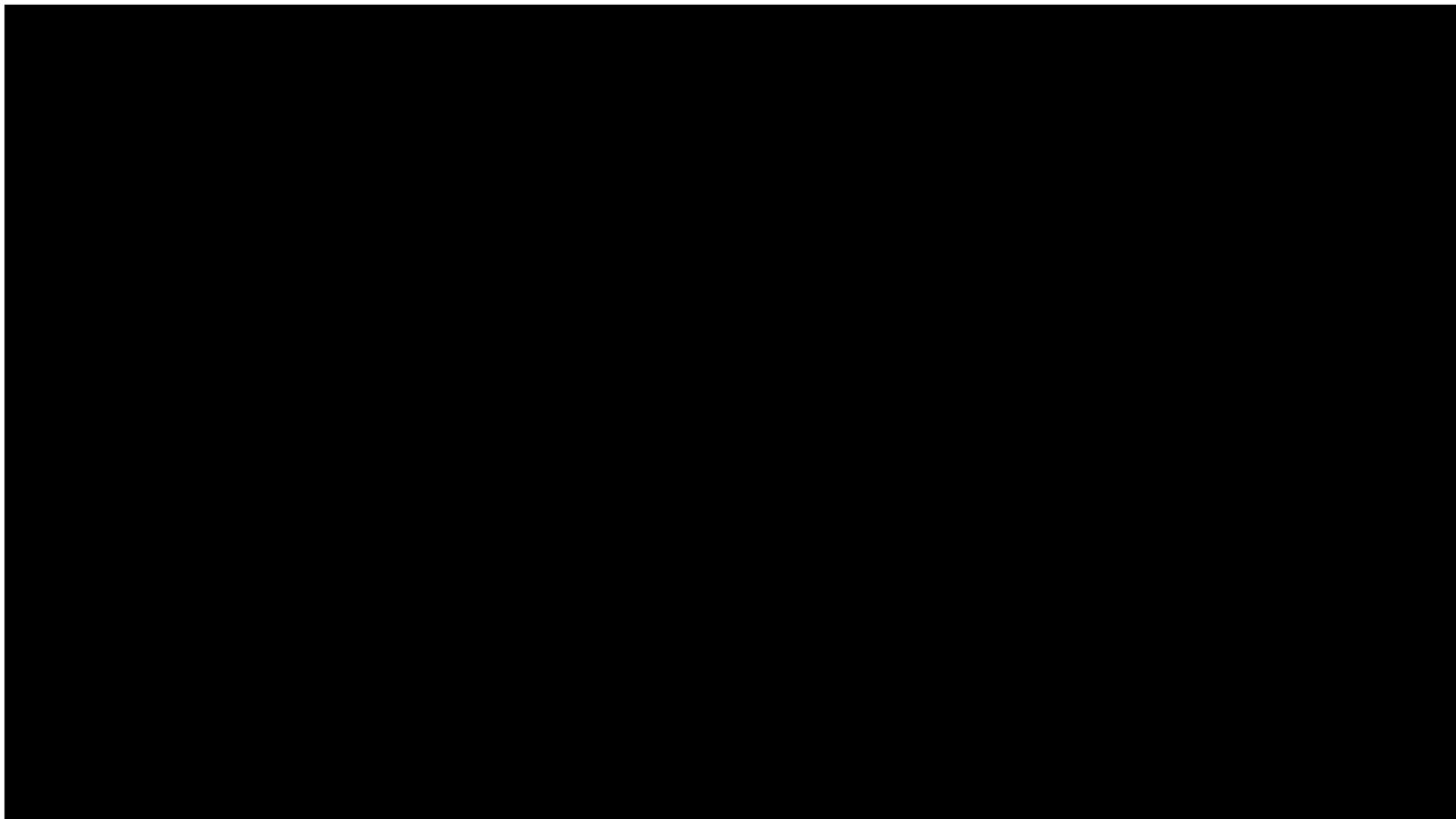
ASSISTIVE TECHNOLOGY



<http://rewalk.com/>



AIDED WALKING



<https://www.youtube.com/watch?v=2Xd27c-pz4Y>

REELER

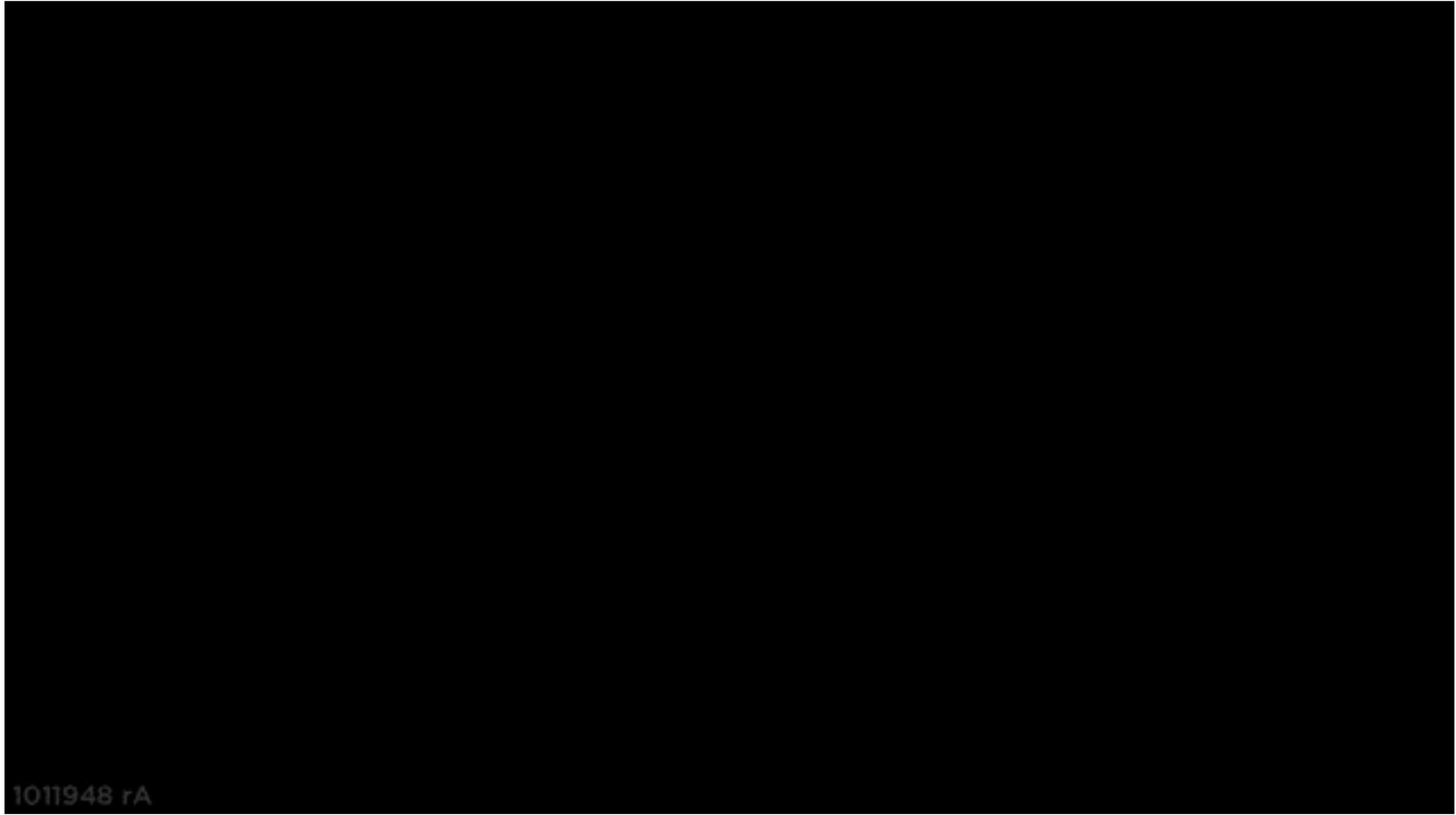
PRECISION SURGERY



<http://www.davincisurgery.com/da-vinci-surgery/da-vinci-surgical-system/>



SUTURING



1011948 rA

<http://www.dailymail.co.uk/video/news/video-1182603/Da-Vinci-surgery-robot-stitches-grape-together.html>



GENERAL REMARKS

- All shown videos are advertising material from the robots' producers.
- All the presented robots are on the market and widely diffused in the healthcare community.
- All of them are always used under human supervision, they are not able to work autonomously.
- All of them are aimed to overcome known issues in each operational area.