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**CAROLINE**  
Collaborative Research Fellowships  
for a Responsive and Innovative Europe



**CAROLINE: Collaborative Research Fellowships for a Responsive and Innovative Europe**  
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**Dr. Ellie Rad**  
Trinity College Dublin, University of Dublin

Towards improving the outcomes for lung cancer patients through better understanding of  
disease mechanisms

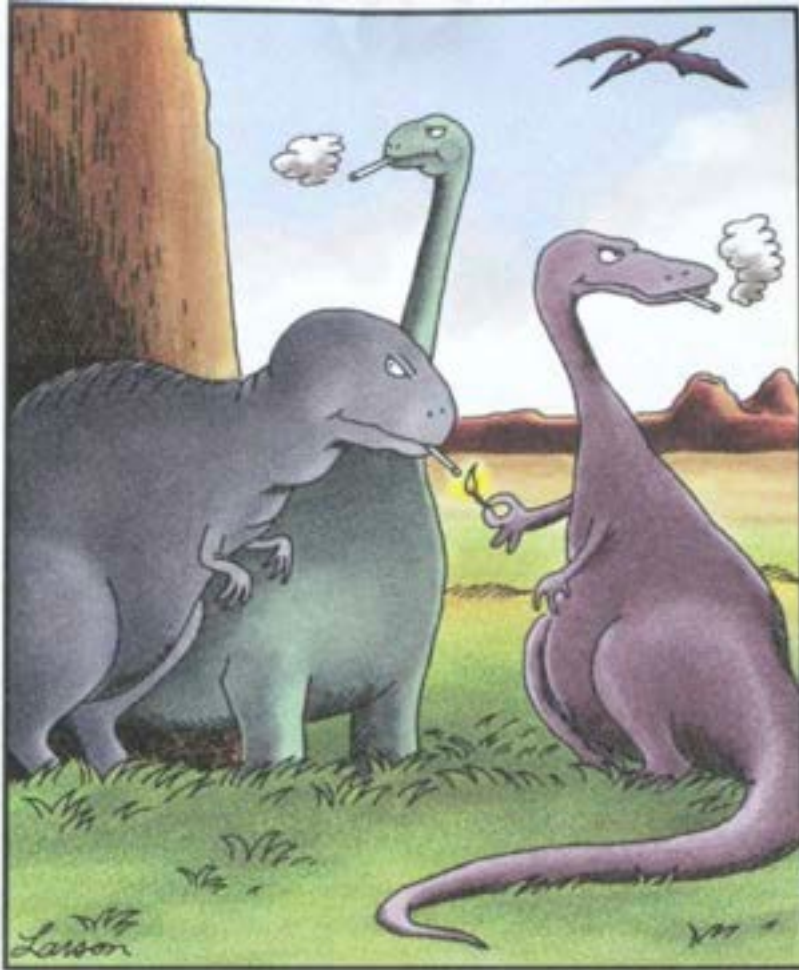
**REA Site Visit 28<sup>th</sup> May 2018, Irish Research Council, Dublin**



**Cardiff University, School of Medicine, Institute of Cancer and Genetics**  
**Trinity College Dublin, University of Dublin**





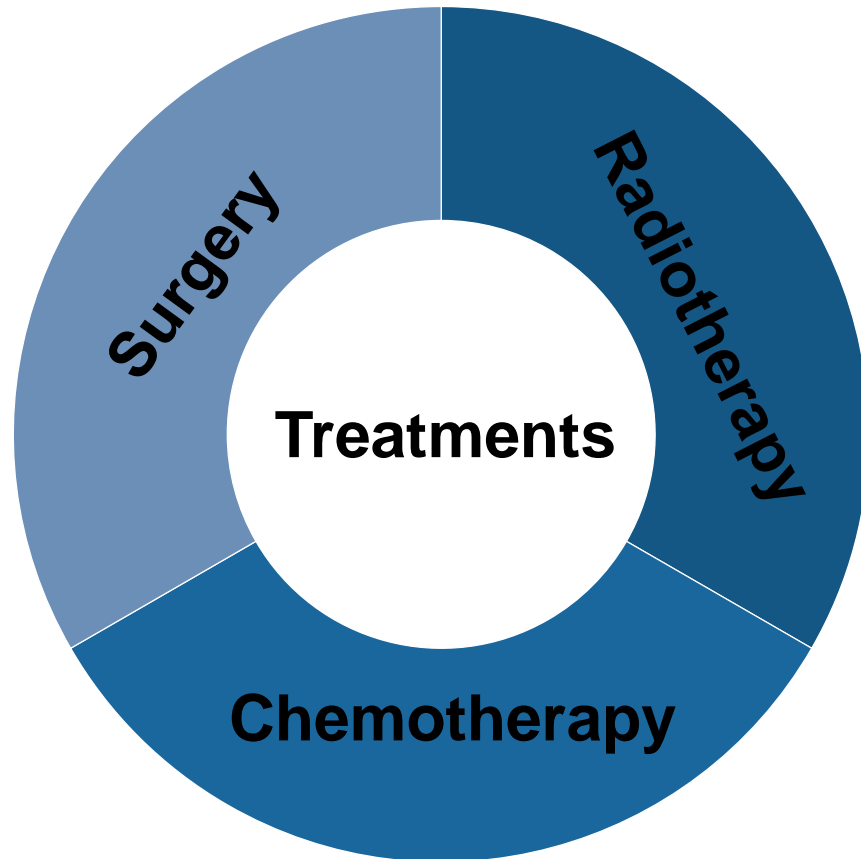


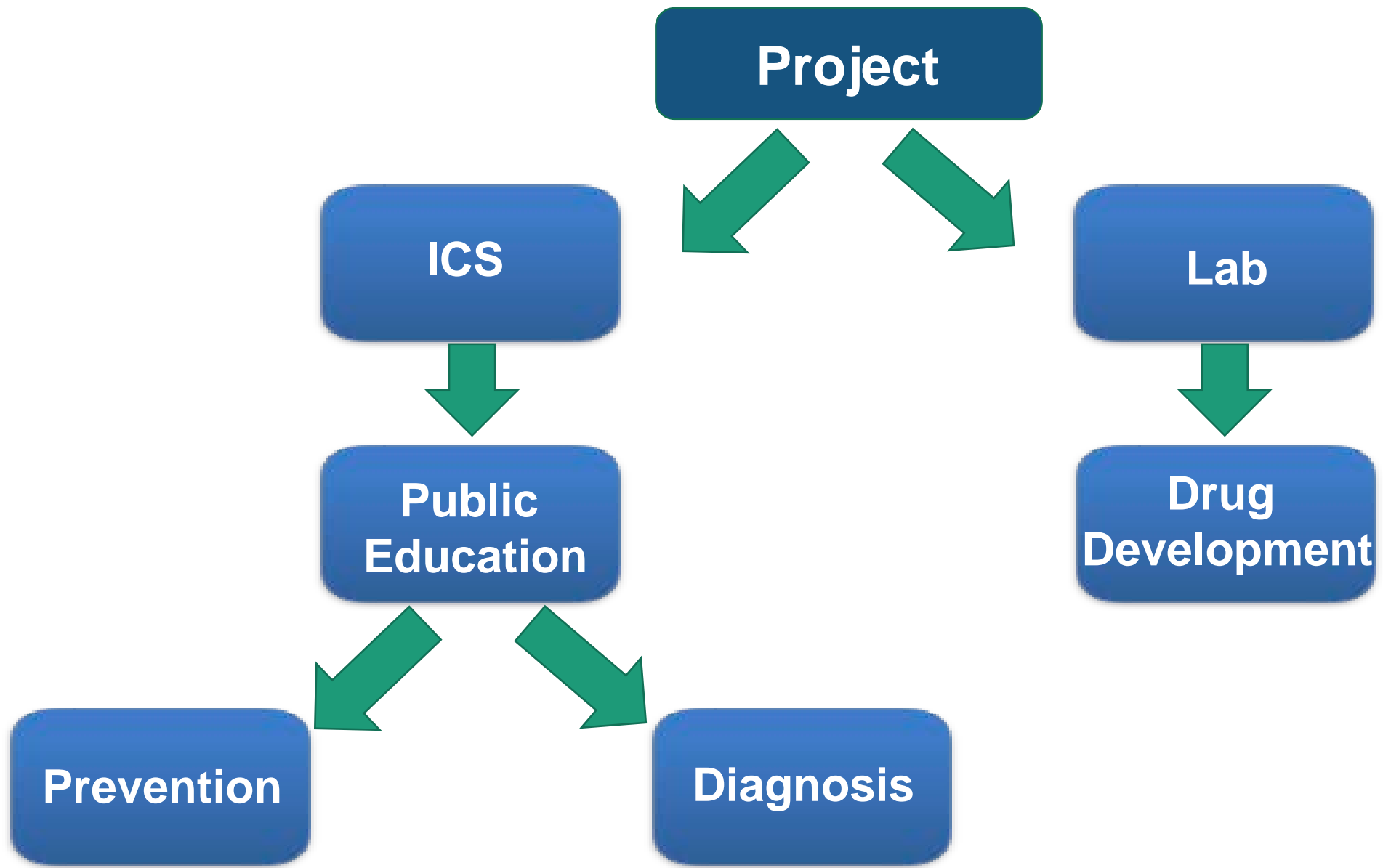
The real reason dinosaurs became extinct

## Non-Small cell lung cancer (NSCLC)

- Smoking ( 9 out of 10 lung cancer cases)
- Second hand smoking
- Chemicals
- Radiation
- Pollution

# Non-Small cell lung cancer (NSCLC)





# Progress

## ICS :

- Systematic review paper
- Public engagement
- Media training

## Laboratory:

- Validation of drug efficacy on lung cancer cell lines
- Blockage of invasion using novel drug targets in lung cancer cell lines
- Review paper

# Acknowledgements



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Marie Skłodowska-Curie  
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