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

REA Site Visit 28th May 2018, Irish Research Council, Dublin
Cardiff University, School of Medicine, Institute of Cancer and Genetics
Trinity College Dublin, University of Dublin
Non-Small cell lung cancer (NSCLC)

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

The real reason dinosaurs became extinct
Non-Small cell lung cancer (NSCLC)

Treatments
- Surgery
- Radiotherapy
- Chemotherapy

Challenges
- Poor survival rate (17.4%)
- Recurrence
- Drug resistance
ICS

Project

ICS

Lab

Public Education

Drug Development

Prevention

Diagnosis
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
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