

CAREER ESSENTIALS

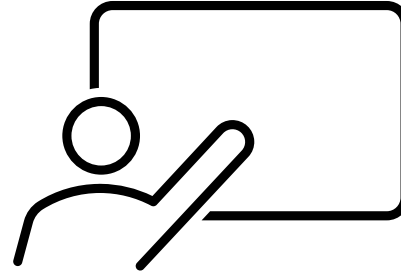
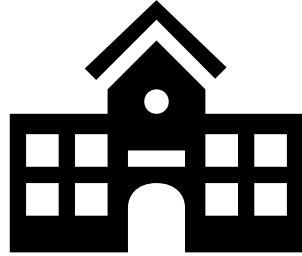
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**CAREERS
SERVICE**

Faculty interview preparation:
Chalk talk: examples of text and diagrams

Chalk talk examples of text and diagrams



How to structure a chalk talk taking my own research as an example

Prof. Jason S. Carroll

Cancer Research UK Cambridge Institute
University of Cambridge



The chalk talk – example in practice

Overall: We want to understand estrogen mechanism in cancer

Goal 1: Explore the functional interplay between hormones in cancer

Goal 2: Develop methods for studying protein-DNA interactions

Goal 3: Chemical screens and in vivo validation

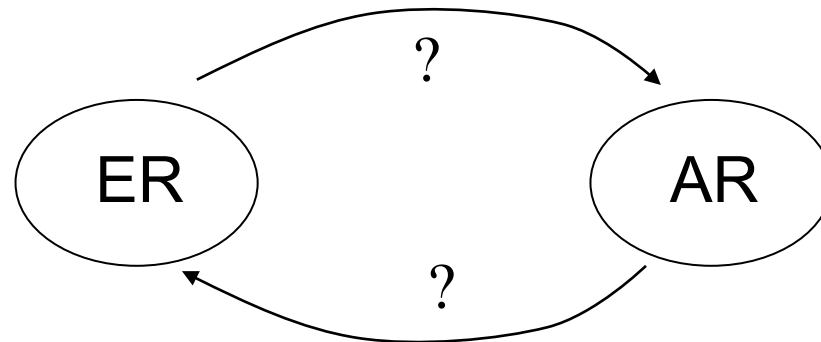
The chalk talk

What do I do when I give a chalk talk?

Goal 1: Explore the functional interplay between hormones in cancer

- *Briefly, what do we currently know?*
- *Understand how estrogen receptor and androgen receptor interact*
- *Assess role of other proteins in breast cancer*

What does ER do to AR gene regulation?



- Assess different isoforms
- Transcription factor binding
- Response to drugs

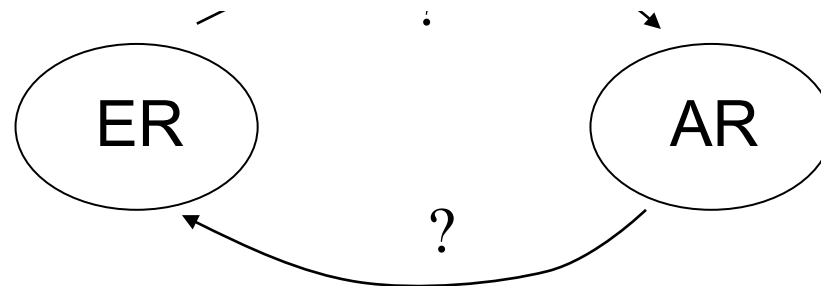
2. The chalk talk

What do I do when I give a chalk talk?

Goal 1: Explore the functional interplay between hormones in cancer

- *Briefly, what do we currently know?*
- *Understand how estrogen receptor and androgen receptor interact*
- *Assess role of other proteins in breast cancer*

What if that fails?

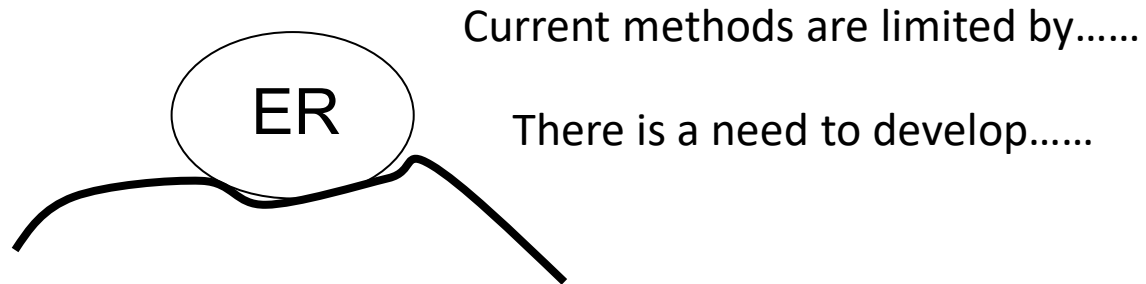


- Assess different isoforms
- Transcription factor binding
- Response to drugs

The chalk talk

What do I do when I give a chalk talk?

Goal 2: Develop methods for studying protein-DNA interactions



We will develop a new system for protein-DNA interactions

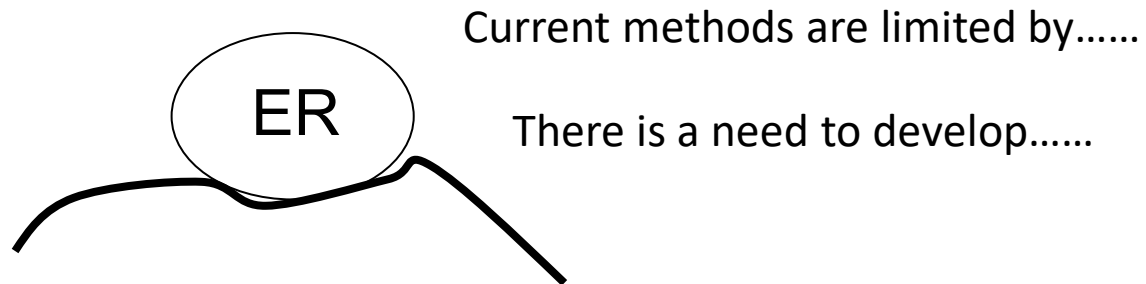
Preliminary data

Contingency plans

The chalk talk

What do I do when I give a chalk talk?

Goal 2: Develop methods for studying protein-DNA interactions



We will develop a new system for protein-DNA interactions

Preliminary data

Contingency plans

What if that fails?

Goal 2 should benefit from insight gained from Goal 1, but not be completely dependent on its success

The chalk talk

What do I do when I give a chalk talk?

Goal 3: Establish novel system to identify chemical inhibitors

Goal 3: In vivo validation of candidates

Long term aim is.....

Why it's needed.....

This will generate future projects.....

Goal 3 should benefit from insight gained from Goal 1 and 2, but not be completely dependent on their success

Goal 3 can be more ambitious and potentially risky

GOOD LUCK



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