

The background of the slide features a close-up, slightly blurred view of several laboratory glass beakers. Each beaker contains a liquid, with colors ranging from light blue to a pale green. The lighting is soft, creating a clean and professional scientific atmosphere.

How to do Research

Cliona Kirwan

Rigorous evidence is needed

mortality is low

thus

evidence-based medicine

Turn your idea into a research question

- ID an area of interest or problem
- Brainstorm
- Share
- Browse
- Tolerate uncertainty
- Formulate a question

- Focused
- Feasible
- Thought-provoking
- Contribute new information

Review the literature

Pubmed
Reviews
Citations

Assess current knowledge
Check it is novel /adding to knowledge
Build the case

Refine research question

Identify variables
Specify population
Clarify what / how tested

Type	Example
<i>QUANTITATIVE</i>	<i>To test a research hypothesis</i>
Correlative	Does grade correlate with tumour size
Comparative	Is AAA commoner in patients with scleroderma vs no scleroderma
Experimental	Does anal fissure heal quicker with diltiazem or with no intervention
<i>QUALITATIVE</i>	<i>Understand personal meanings / interpretations</i>

topic / focus

research problem

statement of purpose

research question

hypothesis

aims

Design study and develop methods

- Endpoints
- Prospective / retrospective
- Observational / interventional
- RCT / cohort / case-controlled
- Inclusion / exclusion
- Patient pathway
- Participant involvement
- Statistical help
- Power calculation

Writing your research proposal

- For funding
- For ethics
- For other researchers
- Ongoing guidance
- Documentary evidence

- Iterative
- Peer review
- NIHR RDS

D of H

£103.5 billion

NIHR

£921 million

Fund research

Infrastructure

MRC

RfPB

NCRN

CTU

IRAS

CRUK

i4i

CLRN

RDS

CSP

BBC

PGfAR

GMCCRN

BCC

training

GMCLRN

Governance

Partners

GCP

MHRA

HTA

Study Protocol

- Research team
- Title
- Research question
- Background to research question
- Plan of investigation
 - Study design
 - Population
 - Inclusion / exclusion
- Outcome measures
- Data collection
- Follow-up
- Planned analysis
- Power calculation
- Anticipated recruitment rates
- Ethics
- Timetable
- Anticipated benefits

Funding

No costs

Soft money – department / hospital

Non-commercial grant

Commercial funding

NIHR

RfPD

i4i

HTA

NIHR partner

Academy of Medical Sciences

Alcohol Research UK*

Association for International Cancer Research

Bowel Disease Research Foundation

Breakthrough Breast Cancer

British Thyroid Foundation

Diabetes UK

NHS Blood and Transplant

Pancreatic Cancer Research Fund

Royal College of Surgeons of England

PIS + Consent

- use templates
- use consumers
- simple english
- beware scary words
- think long-term

- refusal / withdrawal
- pathway
- risks
- benefits
- confidentiality
- harm
- complaints

Obtain ethical and Trust approval



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Navigation Page (Get to this page from anywhere in your project by clicking on 'Navigate')

Project Title: **TuFCIot in breast cancer v1**
 Project Type: **Research limited to working with human tissue samples and/or data**
 Full project dataset

Project Filter

[Click here to go directly to the Project Filter questions](#)

Full Set of Project Data (Select this dataset to answer all the questions for your project)

[Click here to access the integrated dataset for all project forms](#)

Project Forms (Select the relevant form to get menus for submission, amendments etc)

[NHS REC Form](#)

[NHS/HSC R&D Form \(project information\)](#)

Site-specific Forms (Create forms for each site from the REC or NHS R&D Form above)

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2. [NHS/HSC R&D Form \(SSI\) - \[Miss Cliona Kirwan \(University Hospital of South M...\)\] / NotTransferred](#)

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Project Form Navigation

[Print blank reference only PDF for the full project dataset](#)

Status enabled disabled completed

SECTION	QUESTION RANGE
Part A: Core study information	
Administrative details	Proj. Title-A1 A2 A3 A4-A5
Overview of the research	A6
Purpose and design of the research	A7 A8-A9 A10-A13 A14 A14
Risks and ethical issues	A15 A16 A17
Research procedures, risks and benefits	A18 A19 A20 A21-A22 A23 A24 A25-A26
Recruitment and informed consent	A27 A28-A30 A31 A32 A33 A34 A35
Confidentiality	A36-A38 A39 A40-A42 A43-A45 A46-A49

NCRN adoption

NB: The information displayed below does not replace the protocol. The latest protocol version should always be consulted before making clinical decisions.

CHAMPion

Is systemic or tissue coagulation a prognostic marker in cancer?

Topic

Cancer

Portfolio Eligibility

Automatically eligible

ISRCTN

EudraCT

MREC N° 09/H1011/47


UKCRN ID 8685

WHO ID

Research Summary

Prospective clinical cohort study investigating duration and significance of hypercoagulable response to surgery, correlated with tumour molecular phenotype and outcome. Pre and post-operative plasma markers of clotting cascade activation, platelet activation, fibronolytic activity and activation of coagulation will be compared to tissue expression of equivalent markers, development of clinical VTE, tumour clinicopathological prognostic factors, and survival in patients undergoing elective abdominal and breast cancer surgery. Patients undergoing non-cancer surgery (matched for age, sex and type of surgery to the cancer patients) will provide baseline response to surgery.

Study Type	Observational
Design Type	Cohort study
Disease(s)	All
Phase	N/A

Current Status	Open
Closure Date	04/08/2012
Global Sample Size	610
Global Recruitment to Date	 47%

Collect and collate the data

- MTA
- HTA
- data protection
- missing data

Analysis, interpretation and impact

Statistical advice

Impact for study population

Impact for wider population

Maximise - start small

Publish - salami or high impact
 - use research reporting guideline

REMARK

CONSORT