The Newcastle Academic Health Partners
Cancer
Our Vision

Dr Ian Pedley
Executive team:

• **Dr Ian Pedley**, Clinical Director, Department of Cancer Services, NUTH (Clinical Department)

• **Professor Neil Perkins**, Institute of Cellular and Molecular Biology (Basic Science)

• **Professor Ruth Plummer** (CR-UK Cancer Centre)

• **Professor Linda Sharp**, Institute of Health & Society (Epidemiology and Health Services Research)

• **Professor Naeem Soomro**, Assistant Medical Director, NUTH (Surgery)

• **Professor Josef Vormoor** (Lead)
The Newcastle Academic Health Partners Cancer theme (NAHP Cancer)

NAHP Cancer
- IGM
- ICaMB
- Cell cycle
- Apoptosis
- Single Cell Genomics

NAHP Cancer
- ICM
- Tumour Immunology:
  - Liver Cancer
  - Melanoma
- Tumour-specific
  - Research

NAHP Cancer
- NICR
- Tumour Immunology:
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Institute of Ageing
- Senescence

Delivery of Cancer Therapy to the Ageing Patient
- Clinical trials
- Biomarkers

Mental Health in Cancer Patients

working together as Newcastle Academic Health Partners

The Newcastle upon Tyne Hospitals NHS Foundation Trust

Newcastle University

Northumberland, Tyne and Wear NHS Foundation Trust
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>09:00 - 09:30</td>
<td>Arrival</td>
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<tr>
<td>09:30 - 09:45</td>
<td>Welcome</td>
<td><strong>Professor Steve Clifford – Professor of Molecular Paediatric Oncology &amp; NICR Postgraduate Co-ordinator</strong></td>
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<td>Introduction</td>
<td><strong>Professor Josef Vormoor, NICR Director</strong></td>
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<td>09:45 - 10:45</td>
<td>12 minute Oral Presentations by PGR students</td>
<td><strong>Chair: Katie Dormon (NICR)</strong></td>
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<td>‘Is the essential function of Dna2, a conserved nuclease/helicase, in telomere biology?’</td>
<td><strong>Marta Markiewicz (ICaMB)</strong></td>
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<td>‘Investigating the biology of Malignant Rhabdoid Tumours by whole genome CRISPR screening’</td>
<td><strong>Matt Selby (NICR)</strong></td>
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<td>‘DNA methylation as a mediator of early life exposures on risk of childhood acute lymphoblastic leukaemia (ALL)’</td>
<td><strong>Jessica Timms (IHS)</strong></td>
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<td>‘Audit of the Cancer Genetics Triage System at Great Ormond Street Hospital’</td>
<td><strong>Olivia Evans (NICR)</strong></td>
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*working together as Newcastle Academic Health Partners*
Building Research Collaborations in Academic Cancer Surgery
“Delivering Cancer Surgery to an Ageing Population”
Date: Friday, 20th May 2016, 12 – 17.00 hrs

12.30 - 13.15  An introduction to funding opportunities, and subject and methodological expertise within IHS (Cath Exley/Linda Sharp)
13.15 - 13.30  Examples of 2 projects to stimulate discussions (NUTH surgery – 5 min each) (Graig Gerrand/NN)
13.30 - 14.45  Break-out discussion groups to define a research questions (the discussion will be facilitated; number of discussion groups depending on number of attendees)
14.45 – 15.15 5 min feedback from the discussion groups and selection of 1 or 2 projects for further discussion
15.15 - 15.30  Interactive coffee break
15.30 - 16.30  Break-out discussion groups to define the projects, potential work streams and the necessary teams to develop a competitive research application
16.30 - 17.00  5 min feedback from the discussions groups and constitution of one or two project teams to develop the final application
Strategy is to ensure:

• Fewer people getting preventable cancers

• More people surviving for longer after diagnosis – 57% of pts surviving +/> 10 years

• More people having a positive experience

• More people having a better long-term quality of life
Peripheral Clinics

- Gateshead
- South Tyneside
- North Tyneside
- Sunderland
- Durham
- Carlisle
Pharmacy

- Production
- IT Technology
- Service development
- Increase Aseptic Capacity
- Integrate with trials Local Portfolio Management System
- Skill mix
Radiotherapy

- New treatment techniques
- Stereotactics
- Brachytherapy

Harness imaging technology
Increase opportunities for research in imaging

Increase opportunities for partnerships with other organisations

Skill mix
- Increase investigator-led studies
- Increase MDT research

Service impact
Agility to translate learning

Increase chemo-radiotherapy research
Palliative Care

Expectations

Patients Goals
Explore opportunities for network wide research

The Conversation

Multidisciplinary enablers
Increase national profile for research
Increase MDT capacity for research
Our Vision

- To facilitate collaborative multidisciplinary research by bringing together expertise in basic biology, cancer biology, epidemiology & health services research and clinical cancer research and care
- To ensure NE patients benefit sooner from new treatments, diagnostics and prevention strategies.
- Horizon Scanning: Biobanks, Genomics, Vaccine therapy, Immunotherapy, Technology
Focus on delivering scientific advances – service developments/planning

Delivery of Cancer therapies to Ageing population

To increase the internal and external profile of cancer research in Newcastle
website showcasing research portfolios
social media
involve patients in developing research
increase publishing culture increase publishing capacity
• To establish a **collaborative Cancer PhD training programme** with a remit to support multi-disciplinary cross-cutting projects, where one supervisor will be a clinical researcher (University or NHS) or a NICR based translational scientist and one supervisor either a basic scientist (ICM, ICamB or IGM) or NIHR researcher (IHS)
Collaboration - Multi Disciplinary Research

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