

LCRI SYMPOSIUM'21

Liverpool Cancer
Research Institute

The Inaugural Liverpool Cancer Research Institute Symposium

18/19 November 2021 | The Spine, Liverpool



Image © AHR Architects

A focal point for Cancer Research
in the Liverpool City Region



**Liverpool Cancer
Research Institute**

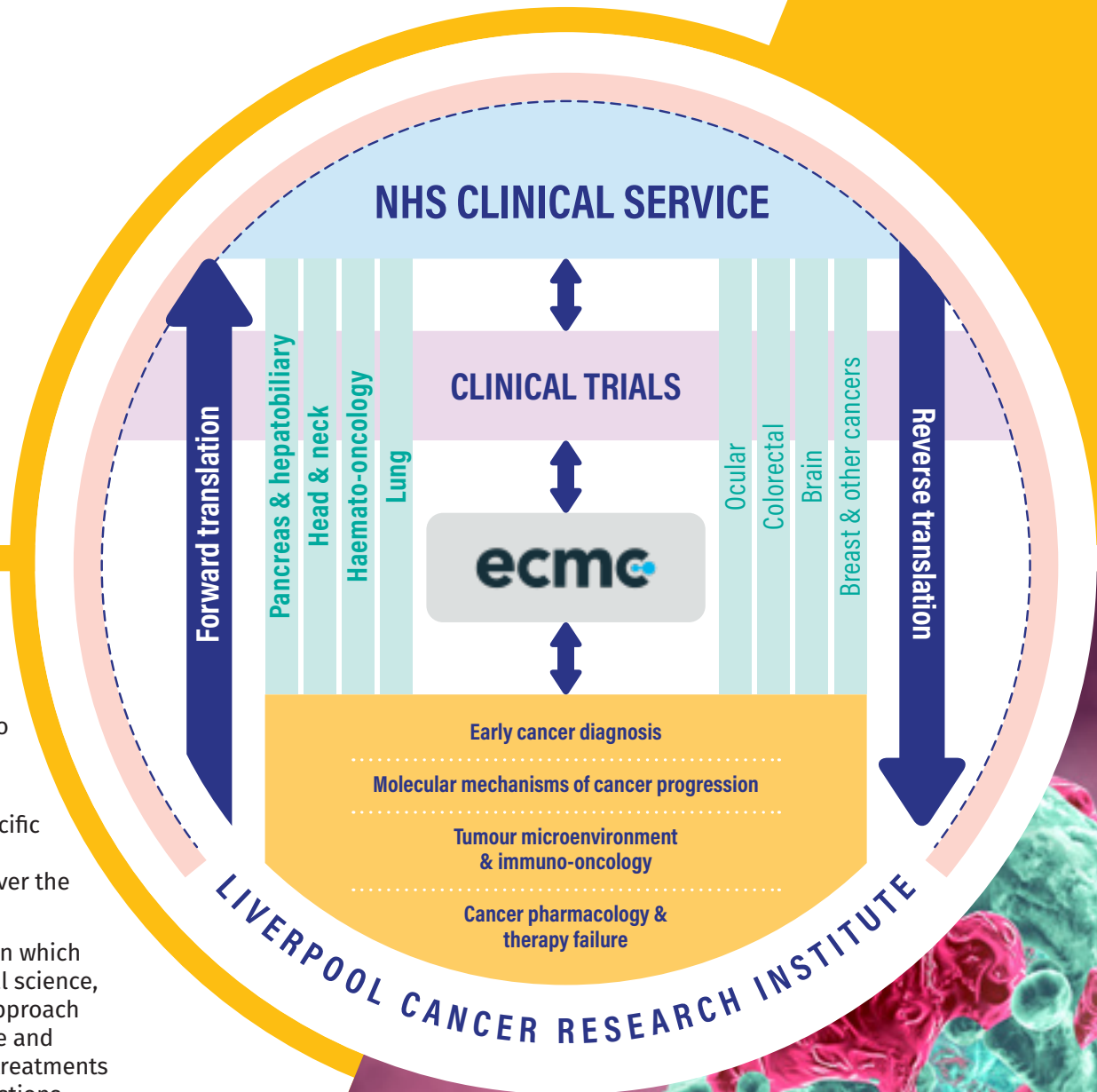
By bringing together our excellent multidisciplinary research community in a purposeful way, we aim to maximise the potential of collaborative cancer research in Liverpool for the benefit of patients both locally and beyond.

The Liverpool Cancer Research Institute (LCRI) builds on the success of previous initiatives in the region and aims to further consolidate Liverpool's existing strengths in cancer research, grow its capability and accelerate the translation of research findings into improved patient outcomes.

In addition to providing an overarching framework for collaboration and strategic alignment, the LCRI aims to drive and co-ordinate specific cancer-related initiatives that require collaboration across multiple disciplines or organisations, whilst at the same time helping to deliver the research strategies of individual stakeholders.

To do this, the LCRI is envisaged as a translational research engine in which clinical themes provide a bi-directional conduit linking fundamental science, experimental medicine and clinical research. Through this matrix approach and supported by local funding streams, the LCRI aims to encourage and support the translation of scientific discoveries into new tests and treatments (forward translation), whilst at the same time providing clinical questions and patient samples to guide and facilitate fundamental research (reverse translation). The ultimate goal of our research is to generate the knowledge that will translate to patient benefit and improve clinical practice.

Find out more: www.liverpool.ac.uk/liverpool-cancer-research-institute/about/



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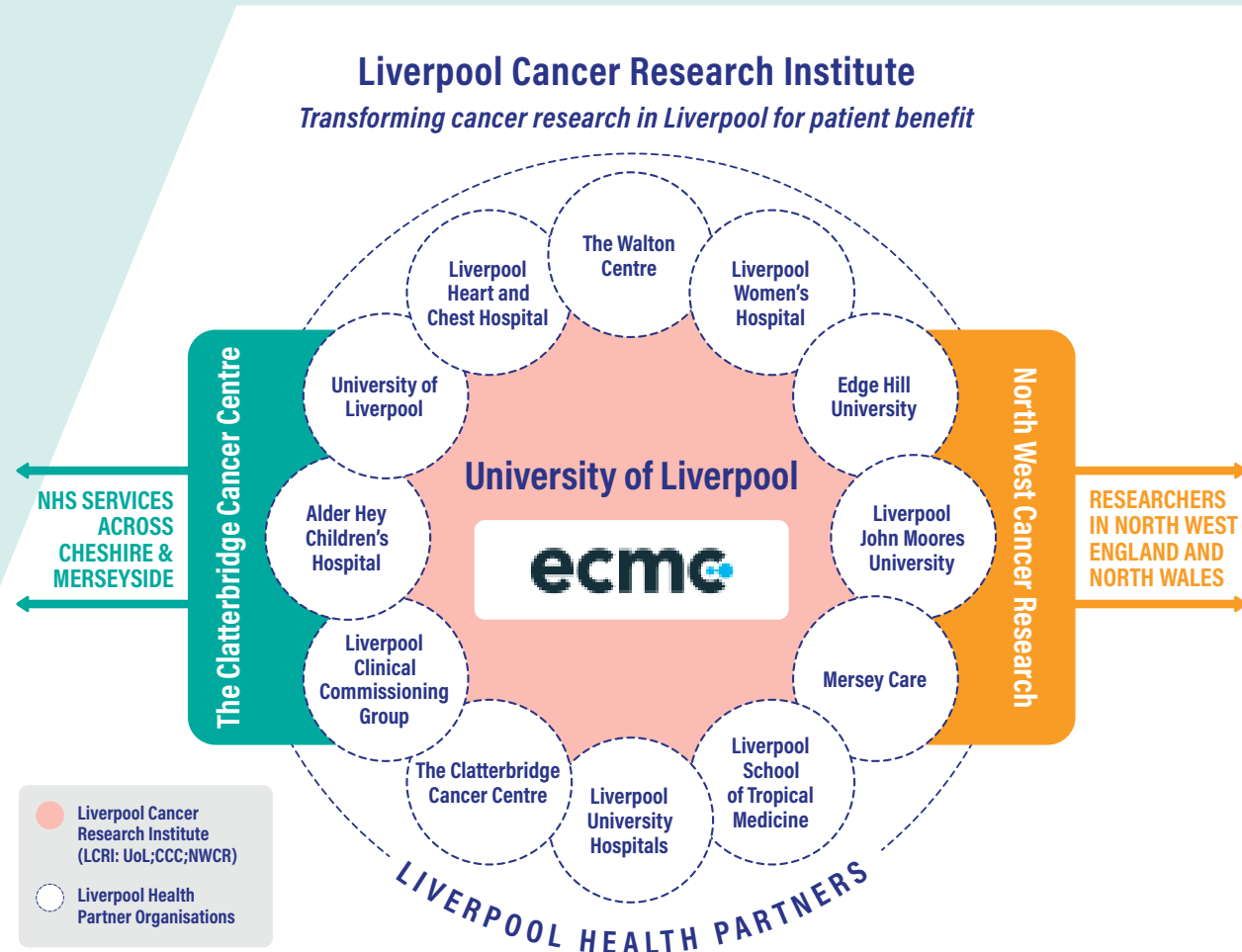
The overall aim of the inaugural LCRI Cancer Research Symposium is to showcase cancer research in Liverpool, raise awareness about LCRI within the regional research community and engage and inform external partners about LCRI and the breadth and potential of cancer research in Liverpool.

To find out more about our research visit:

www.liverpool.ac.uk/liverpool-cancer-research-institute/research/

Day 1 Thursday 18th November

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|-------|---|
| 16.00 | Registration |
| 16.30 | <p>Welcome and Introduction to LCRI and the Symposium</p> <p>Prof. Andy Pettitt LCRI Director</p> <p>Dr Matina Tsalavouta LCRI Head of Strategic Planning and Engagement</p> |
| 16.45 | <p>Aligning key cancer research strategies in the region</p> <p>Short Panel session Chaired by Prof. Pettitt</p> <p>Prof. Tom Walley University of Liverpool</p> <p>Dr Sheena Khanduri The Clatterbridge Cancer Centre NHS Foundation Trust</p> <p>Prof. Tony Marson Liverpool Health Partners</p> <p>Mr Alastair Richards North West Cancer Research</p> |
| 17.00 | <p>Keynote address one</p> <p>Cellular immunotherapy for cancer: lessons from haemopoietic stem cell transplantation</p> <p>Prof. Paul Moss University of Birmingham</p> |
| 17.45 | <p>Keynote address two</p> <p>Lessons learnt and ideas to develop: a concept for cancer immunotherapy in Liverpool</p> <p>Prof. Christian Ottensmeier University of Liverpool and The Clatterbridge Cancer Centre</p> |
| 18.30 | Drinks Reception |



Day 2 Friday 19th November

09.00 **Welcome Day 2**

09.05 **Research for patient benefit: challenges and opportunities for LCRI**

Panel presentation
Chaired by **Prof. Ian Prior**
University of Liverpool

Clinician perspective
Mr Dale Vimalachandran
Countess of Chester Hospital

Research management and sponsorship
Dr Maria Maguire
The Clatterbridge Cancer Centre

Cancer screening programme participant
Ms Karen Manby

Placing patients at the heart of head and neck cancer research
Prof. Jo Patterson
University of Liverpool

Mr Vincent Killen
Patient

Pancreatic cancer patient perspective on research participation
Dr William Swindlehurst
Patient

Discussion
Q&A and Chair's closing remarks

10.05 **Early cancer diagnosis**

Chaired by **Prof. Eithne Costello**
University of Liverpool

From nuclear physics to cancer diagnosis
Prof. Laura Harkness-Brennan
University of Liverpool

Detection of bladder cancers by volatile organic compounds
Dr Rachael Slater
University of Liverpool

Applying metabolites for early detection: discovery metabolomics to translation
Prof. Rick Dunn
University of Liverpool

Discussion
Q&A and Chair's closing remarks

11.10 **Coffee break**

11.30 **Molecular mechanisms of cancer progression**

Chaired by **Mr Rob Jones**
Aintree University Hospital

The fascinating world of hypoxia signalling, a feature of cancers
Prof. Sonia Rocha
University of Liverpool

Non-coding RNAs and regulation of cancer epigenome
Dr Aditi Kanhere
University of Liverpool

Meiosis and Cancer – two sides of the same coin?
Dr Urszula McClurg
University of Liverpool

Discussion
Q&A and Chair's closing remarks

12.30 **Lunch**

12.30 **Poster viewing and judging**

14.00 **Tumour-micro-environment and Immuno-oncology**

Chaired by **Prof. Sarah Coupland**
University of Liverpool; The Royal Liverpool University Hospital

Integrin-RTK crosstalk in breast cancer invasion and drug resistance
Dr Mark Morgan
University of Liverpool

Working towards understanding the tumour microenvironment of metastatic uveal melanoma
Dr Helen Kalirai
University of Liverpool

Regulation of tumour metastasis and immunity by macrophages and fibroblasts.
Dr Ainhua Mielgo
University of Liverpool

Discussion
Q&A and Chair's closing remarks

15:00 **Coffee break**

15:20 **Cancer pharmacology and therapy failure**

Chaired by **Prof. David MacEwan**
University of Liverpool

Tracking evolution of the malignant cells in chronic lymphocytic leukaemia
Prof. Joe Slupsky
University of Liverpool

Investigating the radiobiology of protons versus photons and other high-LET particles in head and neck cancer models
Dr Jason Parsons
University of Liverpool and The Clatterbridge Cancer Centre

The many reasons why cancer drugs may not work in children
Dr. Dan Hawcutt
University of Liverpool; Alder Hey Children's Hospital

Discussion
Q&A and Chair's closing remarks

16.20 **Presentation of poster competition prize**

Prof. Claire Eyers University of Liverpool

16.30-16:45 **Conference closes**
Prof. Andy Pettitt
LCRI Director

To find out more about our research visit:

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LOCATION

The Spine is located in Paddington Village at the heart of the Knowledge Quarter in Liverpool's City Centre.



To find out more and register visit:
www.liverpool.ac.uk/liverpool-cancer-research-institute/events/upcomingevents/

TRANSPORT

By train:

- Nearest train station:
Liverpool Lime Street
19-minute walk – £5-6 taxi

By car:

From M6 onto M57, M62 or M58

Motorway connections put the majority of UK cities within a four-hour drive time.

- 45 minutes from Manchester and Chester
- 2 hours from Birmingham
- 3 hours 40 minutes from Glasgow
- 4 hours from London

Parking arrangements:

The Spine is within walking distance of the University of Liverpool (UoL) and The Clatterbridge Cancer Centre (CCC). If you are not from either UoL or CCC and require information for parking arrangements please contact Ms Jackie Henderson at lcric@liverpool.ac.uk

Disabled access:

- The building is fully DDA compliant with entry on a single ground floor level either via the undercroft with an adequate number of DDA compliant car parking bays or via the main front entrance with a DDA compliant entry door.
- There are six lifts and a disabled refuge system.

DISABLED REFUGE SYSTEM

- A two-way voice communication system complying with BS5839-9:2011 is provided at each of the disabled refuge locations within the protected lobbies (this may be the same system as the refuge points);
- Guidance for people with Personal Evacuation Plans and their buddies can be sought by contacting the RCP Workplace Manager in the first instance or Liverpool City Council Facilities Manager.
 - There are hearing induction loop facilities in all of the event spaces.
 - There is a disabled WC on each of the 13 floors.

If you have any individual specific requirements just let us know and we will be happy to talk them through.

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We look forward to hearing from you about your interest in our research and opportunities to collaborate.

Email: lcric@liverpool.ac.uk

Web: [liverpool.ac.uk/
liverpool-cancer-research-institute](https://www.liverpool.ac.uk/liverpool-cancer-research-institute)

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