

Item 3.3.1b

R&I strategy 2020-2023 working plan

Strategic objective	Sub-objective	Action	Timeframe
1. Build on and invest in our identified current international strengths including in clinical trials on surgical interventions in cardiovascular disease	1.1 growing the number of new LHCH-led clinical trials and studies	<p>1. Promote research within the Trust and encourage research in non- traditional areas such as therapies.</p> <p>2. Increase the research workforce capacity (clinical and non-clinical) through increased income, to be able to facilitate more study activities allowing an increase in trials and studies supported.</p>	<p>Dec 2021</p> <p>Dec 2021</p>
	1.2 growing the number of successful grants	<p>1. Encourage and publicise staff to approach the R&I dept. at an early stage for advice. The dept. can support or if more appropriate signpost to the relevant support such as Research Design Service or Liverpool CTU and use the expert advice to lead to more successful grants.</p> <p>2. All grants and bids will have costings support from the SPARK grants and costing team.</p> <p>3. Develop more research collaborations with partners such as other NHS trusts.</p>	<p>Ongoing</p> <p>Dec 2020</p> <p>March 2022</p>
	1.3 supporting the allocation of research time as part of job plans aligned to research performance	1. To work with the Medical Director and Division leads to build research into all medical and surgical job plans.	April 2021

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		2. To add research performance and activity as part of clinical and medical appraisals.	Dec 2021
2. Attract and deliver high quality commercial research	2.1 establish links with ABPI and other medical devices organisations	<p>1. Establish links with ABPI and other medical device organisations by attending events (virtual) and making contacts.</p> <p>2. Connect with the MedTech cluster in Daresbury and the Innovation Agency and make use of their contacts and connections.</p> <p>3. Scope medical device organisations the trust already don't have links with and explore potential collaboration</p>	<p>April 2021</p> <p>April 2021</p> <p>Dec 2021</p>
	2.2 improving the governance process for clinical trials, aligned to LHP JRS	<p>1. Establish updated governance processes for clarity on how LHCH links to LHP SPARK and have agreed by the R&I committee</p> <p>2. Update intranet, knowledge hub and internet with governance process information. Communication on updated process distributed to all CI/PIs at LHCH.</p>	<p>July 2020</p> <p>Oct 2020</p>
3. Increase our resources	3.1 becoming an University Hospital part of UKUHA	1. Increase the number of bids/ grant applications that LHCH are the NHS partner in to attract relevant NIHR funding to meet the UKUHA criteria	April 2021

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	3.2 establishing new clinical academic positions	1. To work with the HEIs to identify gaps and establish funding arrangements for new clinical academic positions for LHCH staff	April 2022
	3.3 continuous development of our research staff	1. To establish what training or learning needs there are from all research staff through appraisals 2. Source most appropriate learning and training opportunities to offer staff, involve the Education/ OD teams 3. Provide opportunities for nurse and AHP led research with the NIHR and HEIs	Ongoing Ongoing April 2021
4. embed and grow the Liverpool Centre for Cardiovascular Science	4.1 Expansion of basic science and translational medicine	1. Grow the research activity at the LHCH labs to support LCCS work. 2. Develop the LHCH lab staff to design and deliver new research projects.	Dec 2020 Dec 2021
	4.2 delivering Phase II clinical trials at LHCH	1. To connect with companies and attract Phase II trials 2. To have the resource and facilities to allow successful undertaking of Phase II trials. 3. Developing protocols that adhere to MHRA and GCLP regulation for phase II trials.	April 2021 April 2021 April 2021

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	4.3 maximise the use of big data to build a CVD related collaboration with PHE and Epidemiology	1. working with LHP team to explore the utilisation of Civic Data	Aug 2021
	4.4 applied health research and patient centred research	1. developing new studies in collaboration with patient groups 2. embedding the role of the Research Patient Ambassador in all research at LHCH and also across LHP	April 2022 ongoing
	4.5 develop research in other clinical areas: exercise and AF, congenital heart disease	1. deliver research studies for ACHD in collaboration with Alder Hey 2. Deliver research studies within the community service.	Dec 2021 April 2022
	4.6 community engagement and involvement	1. Continue to be part of the LCCS Community Engagement group and its planning of activities to raise awareness of LCCS and the research that happens. 2. Delivery of activities to celebrate World Heart Day at LHCH and in the community. 3. working with the SURE group at the Trust to maximise their involvement in research	Ongoing Sept 2020 March 2021
5. grow our own	5.1 forming the next generation of chief and principal investigators	1. Supporting and signposting clinicians to opportunities such as NIHR research scholars. The trust will endeavour to have at least one scholar per cohort.	March 2022

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		2. To develop nurses and AHP to be PIs on research studies by forging links with HEIS.	March 2022
	5.2 leading new NIHR portfolio studies	1. The R&I dept. will support clinicians to take the lead on NIHR portfolio studies in areas that historically haven't been considered.	ongoing
	5.3 comparative effectiveness studies run by ICECAP	1. Design new clinical trials utilising the data systems available at ICECAP 2. Embedding the clinical trial management system developed by ICECAP through LHCH-led studies	Dec 2021 Dec 2021
6. develop new areas of research	6.1 cardiac imaging	1. To support Dr Tim Fairbairn in his delivery of NIHR research studies, continuing on from his research scholar status.	ongoing
	6.2 cardio-oncology	1. To develop research collaborations that are aligned to the joint service led by Dr Rebecca Dobson with CCC. 2. To deliver clinical studies in cardio-oncology	Ongoing March 2022
	6.3 new lung cancer therapies	1. Continue to link with CCC and UoL through bimonthly research to discuss opportunities and research studies.	Ongoing

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		2. To build a relationship and work with Prof Ottensmeier and his research team.	Dec 2020
		3. Develop new research studies led by Prof Ottensmeier at LHCH.	Dec 2021
	6.4 Artificial Intelligence	1. To support Dr Caroline McCann to lead on the use of AI to facilitate radiology reporting. 2. Develop AI studies with industry to support research into CVD prevention	Ongoing March 2022
	6.5 Genomic Research	1. To support and work with Dr Victoria McKay to develop the Cheshire and Merseyside Cardiac and Respiratory Genomic Unit.	April 2022
7. increase our financial position	7.1 growing the number of commercial studies	1. Increase the number of commercial trials by 10% year on year.	March 2023
	7.2 providing evaluation services to external partners	1. Develop links with industry to pilot and assess innovations working with the Innovation Agency. 2. To become a centre of reference for heart and chest innovations developed by industry partners.	Dec 2022 April 2023
	7.3. creating a seed fund for promotion of research and innovation among LHCH staff	1. To have 2% of research income ring-fenced to create a seed fund for promotion of research and innovation among LHCH staff.	March 2022

