

LhARA WP5 – End Station R&D and beamline development Meeting minutes & Actions

Meeting Date & Time:		Tuesday 17 January 2023; 0900-0930h; Zoom: https://bham-ac-uk.zoom.us/j/86078899579?pwd=dmVleXpzOFVIZVRHV2c2Vjk2RkliZz09 Mailing list hosted on JISCMail: JISCMail: JISCMail: - CCAP-LHARA-ENDSTATION List at WWW.JISCMAIL.AC.UK				
Attendee(s):		Minutes: Ruth McLauchlan (RMcL) Tony Price (TP), Colin Whyte (CW), Narender Kumar (NK), Ken Long (KL)				
Issue/To	pic	Action	Owner	Deadline/ Status		
 Apologies Welcome 	&	Apologies received from those listed above.				
2. Review of	minutes	N/A	TP			
	Date of meeting					
06 Dos 36	022	Update Wiki and add meeting minutes.	TP			
06 Dec 20	022	[17 Jan 2023] – Partially done. RMcL added 2023 meetings folder and added minutes from meeting on 10 Jan 2023.	IP			
10 Jan 20	22	TP to write up notes/minutes from 14 Dec meeting.	TP			
10 Jan 20	J25	[17 Jan 2023] – TP working on today.	IP IP			
10 Jan 20	023	RMcL to send contact list of those registered to attend meeting to TP/KL.	RMcL	completed		
40.126	222	TP to send thank you and list of questions to those registered for 14 Dec meeting.				
10 Jan 2023	023	[17 Jan 2023] – TP working on as part of writing up notes from meeting.	TP			
10 la = 20	222	Overleaf document to be updated by 1 Feb 2023: https://www.overleaf.com/project/63af03296c308af24867a1b7				
10 Jan 2023	J25	[17 Jan 2023] – All should now have access to document.				



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4. Upcoming collaboration meetings	 Today @1400 - LhARA Fortnightly: https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr01.safelinks.protection.outlook.com/?url=https://gbr02568455684419e279b08dace5de91f%7C37c354b285b047f5b22207b48d774ee3%7C0%7C1%	All	
5. WP5 Consultation meeting plan	 Consultation 1: Imperial, Dec 2022/Jan 2023 Afternoon topic: User needs Consultation 2: Birmingham?, Feb/Mar 2023 Afternoon topic: Experimental constraints Consultation 3: Liverpool?, May/Jun 2023 Afternoon topic: Instrumentation and dosimetry Consultation 4: Manchester?, Sept/Oct 2023 Afternoon topic: ITRF WP1.5 and WP3 overlap Discussed timing, location and focus for next meeting: Meeting should probably be end of Feb/early March. Should it be in Birmingham when the main collaborative meeting will have just been held there earlier in February? What should the focus be? See Section 7. 	All	
6. CCAP/LhARA Wiki	 WP5 wiki pages require structuring (base on WP3) and meetings minutes etc to be added. Partly done by RMcL. Minutes from last meeting have been added. Make use of JISCMail list. Note there have been issues around emails to and from the JISCMail list. Not sure they are resolved yet. 	TP/RMc L	
7. Consultation Meetings	 Discussion of what the focus for the next meeting should be (see also Section 5). Focus perhaps could identify most appropriate location and approach to outside speakers (e.g., TP highlighted some US groups who presented at the recent FLASH meeting in Barcelona on animal/pet work; KL identified engagement required with those working on state-of-the-art instrumentation e.g., spectroscopists working with lasers). Agreed that group needs to define a clear set of activities and working groups with identified leads. In-vivo aspects discussed regarding access to animal house facilities, legislation, possibilities of treating pets. 		



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	 This is all much further down the line and would benefit from delegation to a working group rather than attempting to run it directly through the WP5 management. Focus for the group should be how we exploit the properties of such a novel beam with priorities to identify the instrumentation required to ensure suitable beam delivery, control, and through-put. Optimisation of throughput of in-vivo experiment is part of that but details of other aspects of animal handling, particularly as regards requirement for LhARA to have an animal house or be sited close to an existing facility, to be a consideration for associated working party. ACTIONS:		
	 Define clear set of activities, determine associated working groups, and identify suitable leads including: Beyond state-of-the-art instrumentation In-vivo programme considerations – discuss with Jason (and Mark Hill?) Determine focus for next Consultation meeting and thereby venue and agenda. 	ALL	
8. AOB	Group discussed need to plan for external review of end-station and proposed scheduling for Sept/Oct 2023. KL indicated that this needs to be planned well in advance to be able to obtain sufficient time commitment from the required external experts.		

Next meeting dates (2023)

Date	Time		
Tue 31 Jan	0900-1000		
Tue 14 Feb	0900-1000		
Tue 28 Feb	0900-1000		
Tue 14 Mar	0900-1000		
Tue 28 Mar	0900-1000		
Tue 11 Apr	0900-1000		



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Tue 25 Apr 0900-1000 Tue 9 May 0900-1000 Tue 23 May 0900-1000 Tue 6 Jun 0900-1000 Tue 20 Jun 0900-1000 Tue 4 Jul 0900-1000 Tue 18 Jul 0900-1000 Tue 1 Aug 0900-1000 Tue 15 Aug 0900-1000 Tue 29 Aug 0900-1000 Tue 12 Sep 0900-1000 Tue 26 Sep 0900-1000 Tue 10 Oct 0900-1000 Tue 24 Oct 0900-1000 Tue 7 Nov 0900-1000 Tue 21 Nov 0900-1000 Tue 5 Dec 0900-1000 Tue 19 Dec 0900-1000