

ITRF/LhARA

Bridging Funds Application

Funds

			Yr1	Yr2	Yr 1&2 total
Radiobiological experimentation and modelling	WP A	WP A.7 - Radiobiology Experiment	83.0	83.00	166.00
		WP A.4 - Ion acoustic dose measurement	25.0	25.00	50.00
		WP A.5 - End station and novel diagnostics	75.0	80.00	155.00
		WP A.2 - Source for Radiobiology Expt	135.0	135.00	270.00
					641
ITRF/LhARA R&D	WP B	WP B.6 - FFA feasibility study	225.0	225.00	450.00
		WP B.2 - Source	160.0	160.00	320.00
		WP B.3 - Capture	190.0	195.00	385.00
					1155
PM	WP C	WP C.1 - Proj Man	85.0	85.00	170.00
		WP C.8- Outreach & Engagement	16.0	17.00	33.00
					203
Total			994	1005	1999

Documents

- <https://www.overleaf.com/project/668d207b855daa4d9eb49eea>
- <https://imperiallondon.sharepoint.com/sites/LhARA-PH/Shared%20Documents/Forms/AllItems.aspx?csf=1&web=1&e=bmUc63&CID=85691c84%2D1182%2D436c%2Dbd83%2D4c58c51bc851&FolderCTID=0x012000E0B6C52E86BB484EBAE8AA67EB58B787&isAscending=true&id=%2Fsites%2FLhARA%2DPH%2FShared%20Documents%2FBridging%20Period&sortField=LinkFilename&viewid=10079929%2D0a09%2D4851%2D9fe0%2Def3d3ecec670>

.... the goals for BP1 are to:

- Develop a proof-of-principle laser-driven radiobiology experiment (PoPLaR) on SCAPA at the University of Strathclyde as part of a radiobiology programme that exploits the novel techniques to be employed in LhARA; and
- Initiate the programme required to mitigate the principal risks in the development of LhARA to serve the ITRF: the laser-driven source, Gabor-lens capture, and fixed-field accelerator (FFA).

BP1 will be managed through three work packages:

- Work package A: Radiobiology programme;40
- Work package B: Initial ITRF/LhARA risk-mitigation programme; and
- Work package C: Project management, outreach and engagement.

