CCAP
Centre for the Clinical Application of Particles

Update

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Incremental technical progress

Pace of progress has slowed, maintaining momentum on:

- Radiobiology programme development:
  - Pushed forward by Jason Parsons
- Particle production and capture:
  - Pushed forward by Colin Whyte
  - Particle production, H.T. Lau
  - Electron plasma simulation, T.S. Dascalu
  - Working towards ERC AdV Grant proposal
- Stuttering restart of experiment/simulation meeings:
  - Ajit Kurup and Will Shields;
  - Feeling lack of support for key contributors to simulation development

Working with stakeholders

Discussions initiated:

- Rosalind Franklin Institute:
  - Continue discussions with Director, J. Naismith
- STFC Laboratory:
  - Meeting Monday 06Jul20 with Department Directors:
    - ASTeC; J. Clarke
    - CLF; J. Collier
    - ISIS; J. Thomason (R. McGreevy may attend for summary)
    - PPD; D. Newbold
- Action Radiotherapy:
  - Will meet Pat Price, Director, 13Jul20

"Application and funding process"

Application process:

- Stage 1:
  - Intention to submit: October 2020
  - Outline proposal: November 2020
  - Outline proposal decision: December 2020
- Stage 2:
  - Full proposal – invited from successful outline proposals: March 2021
  - Panel assessment: June 2021
  - Award start date: August 2021

Funding mechanism:

- Development phase:
  - Identify projects that demonstrate readiness in order to deliver the research programme in the second "delivery" phase
- Delivery phase:
  - EPSRC is looking to fund 4–6 substantial programmes of research at the second phase

Overview costs table from 2019 submission

Work package Id	Name	1 Fraction	£k	2 Fraction	£k	3 Fraction	£k	4 Fraction	£k	5 Fraction	£k	Total FTE	£k
DPP-PBT-TwentyFifty													
Non-staff cost summary													
DPP-PBT-TwentyFifty													
1	*End-to-end simulation and performance validation*		3.00		3.00		3.00		3.00		3.00		15.00
2	*Laser-driven particle source*		3.00		3.00		1202.38		3.00		3.00		1214.38
3	*Capture*		3.00		71.31		30.85		3.00		3.00		111.16
4	*Beam transport and delivery*		3.00		3.00		3.00		1005.07		3.00		1017.07
5	*Diagnostics, dosimetry and simulation*		5.00		5.07		355.43		5.22		5.30		376.02
6	*Biological end-station*		15.00		15.00		15.00		12.00		433.76		490.76
7	*Management*		3.00		3.00		3.00		3.00		3.00		15.00
	Non-staff sub-totals		*35.00*		*103.38*		*1612.66*		*1034.29*		*454.06*		*3239.38*
	Non-staff totals		**35.00**		**103.38**		**1612.66**		**1034.29**		**454.06**		**3239.38**
Total staff and non-staff by work package													
DPP-PBT-TwentyFifty													
1	End-to-end simulation and performance validation		225.38		217.23		228.88		234.53		174.09		1080.11
2	Laser-driven particle source		63.17		80.26		1271.41		34.01		3.00		1451.86
3	Capture		55.05		134.97		115.26		77.47		20.94		403.69
4	Beam transport and delivery		43.11		106.97		98.80		1103.26		16.25		1368.38
5	Diagnostics, dosimetry and simulation		65.94		77.85		436.33		79.09		81.02		740.22
6	Biological end-station		76.04		98.20		161.21		200.66		646.18		1182.30
7	Management		88.50		90.64		92.83		95.07		97.38		464.42
	Sub-totals		*617.18*		*806.11*		*2404.73*		*1824.11*		*1038.85*		*6690.98*
Grand totals			**617.18**		**806.11**		**2404.73**		**1824.11**		**1038.85**		**6690.98**