UNIVERSITY SAFETY OFFICE
10 Parks Road, Oxford OX1 3PD

URPO AUTHORISATION TO UNDERTAKE RADIATION WORK

Wellcome Trust Centre for Human Genetics, ORC

Subject to the completion of suitable and sufficient risk assessments and the availability of appropriate local rules, the department is authorised by the University Safety Office to undertake the following work with ionising radiation on the premises. **The department is not permitted to undertake any work that is not specifically detailed in this document.**

Work with open sources

Isotopes	EPR Permit details or exemption	Departmental limits
^{3}H, ^{14}C, ^{32}P, ^{35}S, ^{51}Cr, ^{125}I	BF4300/CE0753 (registration) BF4296/CE0745 & CE0753 (authorisation)	OUSO/LIM/H5/1 (2012/08) OUSO/LIM/H5/2 (2012/08)
^{238}UAc	U/Th EPR exemption conditions	See local rules

Any proposal to work with unlisted isotopes or other work that cannot be carried out in accordance with the conditions of the University's EPR Permits or departmental limits must be approved in writing by the URPO.

Work with exempt closed sources

Isotope	Serial No	Declared Activity	Exemption category
^{133}Ba	(426966) BA-133-E-888	696 kBq	Small sealed source, less than 4 MBq
^{137}Cs	7068794	1.11 MBq	Small sealed source, less than 4 MBq
^{129}I	713717A	936 Bq	Small sealed source, less than 4 MBq
^{3}H, ^{14}C	1450.471	9.41 kBq	Small sealed source, less than 4 MBq

No closed sources may be brought onto the premises without the prior written approval of the URPO. No closed source listed above may be removed from the premises without the prior written approval of the URPO.

Work with permitted closed sources

Isotope	Serial No	Declared Activity	EPR Permit number
None authorised	-	-	-

No closed sources may be brought onto the premises without the prior written approval of the URPO.

Work with radiation generators

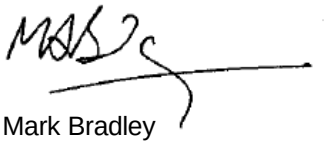
Equipment	Serial number	Maximum operating parameters
Oxford Diffraction PX Plate Scanner	RSD-016/08	50 kV, 1 mA
Bruker Skyscan 1172	TBC	100 kV, 250 μA
FEI Technai Spirit electron microscope	M00131 D1239	120 kV
FEI Tecnai G2 electron microscope	M00088 Pt5 D269	120 kV
FEI Tecnai electron microscope	D265	120 kV
Faxitron Cellrad A02	2328A50147	150 kV, 5 mA

Any proposal to work with x-ray generators within the department must be approved in writing by the URPO.

Work at other institutions

Institution	Description of activity
Diamond Light Source, Harwell, UK BESSY II, Berlin ESRF, Grenoble SLS, Switzerland	Synchrotron particle accelerator Synchrotron particle accelerator Synchrotron particle accelerator Synchrotron particle accelerator

Any departmental staff intending to work with ionising radiation at other institutions must register with the Safety Office specifically in relation to the institution they intend to visit and must comply with any requests made by the URPO regarding radiation safety arrangements in connection with that work.



Mark Bradley
University Radiation Protection Officer
8 June 2015