

CORE FACILITIES ~ OTHER EQUIPMENT

Name	Use	Lab	Contact
Polwarth Cell Culture Suite	Cell culture facilities		Wallace, Prof. H
Nanodrop 2000c and Biorad c1000 PCR machine			D Massie / Y Turnbull Saka, Dr Y
Whole cell patch clamp rig	measurement of whole cell currents from single cells.	IMS 6.04	rod.scott@abdn.ac.uk
Phosphoimager FLA-3000, Fuji	chemoluminescent probe detection	IMS 2:36	w.j.pickford@abdn.ac.uk Ext. 7460
Bioanalyser 2000, Agilent	qualitative and quantitative analysis of nucleic acids	IMS 4:04	w.j.pickford@abdn.ac.uk Ext. 7460
Nanodrop, Labtech	DNA and RNA quantification	IMS 4:04	w.j.pickford@abdn.ac.uk Ext. 7460
Versamax plate reader spectrophotometer, Molecular Devices	wide range plate reader spectrophotometer	IMS 4:01	w.j.pickford@abdn.ac.uk Ext. 7460
UV gel imager, Syngene	visualising and photographing nucleic acids	IMS 4:02	w.j.pickford@abdn.ac.uk Ext. 7460
Phusion imager, Peqlab	qualitative and quantitative imaging	IMS 4:01	w.j.pickford@abdn.ac.uk Ext. 7460
Fast Prep, MP Biomedicals	mechanical cell disruption/ bead beating	IMS 4:04	w.j.pickford@abdn.ac.uk Ext. 7460
Ice machine, Scotsman	produces ice granules	IMS 4:02	w.j.pickford@abdn.ac.uk Ext. 7460
Freeze dryer, Edwards	lyophilisation	IMS 4:49	linda.robertson@abdn.ac.uk Ext. 7510
NanoDrop 1000 spectrophotometer	Measures 1ul samples with high accuracy and reproducibility over 220nm-750nm spectrum	IMS 4.08	Dr.Delyth. M. Reid (Lab manager) Ext. 7522 d.m.reid@abdn.ac.uk
Sonicator ultrasonic processor	Cell disruption, degassing, mixing, etc.	IMS 4.07	Dr.Delyth. M. Reid(Lab manager) Ext.7522 d.m.reid@abdn.ac.uk

BRIGHT Clinicut Cryostat	histology sectioning of biological material (e.g. Xenopus, zebrafish, chick and mouse embryos)	IMS 4:40	Yvonne Turnbull (lab manager IMS 4:59) 7519(lab), 7533(office desk in IMS :20), y.d.turnbull@abdn.ac.uk
Diagenode Bioruptor plus with water cooler and 1.5 and 0.5/0.6ml tube holders	disrupting DNA for high throughput DNA sequencing and Chromatin Imuno-Precipitation (ChIP) and ChIP-Seq	IMS 4:56	Yvonne Turnbull (lab manager IMS 4:59) 7519 (lab), 7533(office desk in IMS 5:20), y.d.turnbull@abdn.ac.uk and Dr Yukio Nakamura, 7519/7533, y.nakamura@abdn.ac.uk
Two Harvard Apparatus PLI-100 microinjectors, also temperature-controlled LMS incubators (different sizes, at different temperatures) and dissection microscopes (with teaching tube)	Microinjection, dissection, manipulation of embryos (mostly Xenopus and zebrafish) for mRNA overexpression or oligo antisense experiments and RNA-guided or TALEN-mediated targeted gene disruption	IMS 4:54	Yvonne Turnbull (NACWO, IMSARU 7304),(7533 office desk in IMS 5:20), y.d.turnbull@abdn.ac.uk
Micro volume digital pH meter / electrode	Low volumes approx. (20uL -100uL)	IMS 1:35	Ian Davidson Ext. 7419 ian.davidson@abdn.ac.uk
SpeedVac centrifugal concentrator, Savant	Concentrating and drying liquid samples	IMS 1:35	Ian Davidson Ext. 7419 ian.davidson@abdn.ac.uk
Ultrasonic baths (2), Decon/Ultrawave	Degassing solvents, cleaning	IMS 1:38:1	Ian Davidson Ext. 7419 ian.davidson@abdn.ac.uk
ImagePrep vibrational vapourisation spray device, Bruker	Coating microscope slides, spraying liquids	IMS 1:35	Ian Davidson Ext. 7419 ian.davidson@abdn.ac.uk
Biotek Synergy HT Plate reader		IMS 2.13	Denise Tosh Ext. 7457 d.tosh@abdn.ac.uk
Freeze Drier		IMS 2.13	Denise Tosh Ext. 7457 d.tosh@abdn.ac.uk