

## CMCA Groups – Appendix

### Technique Group Membership – 2017

| Technique Group      | Leader                               | Members  |
|----------------------|--------------------------------------|--|
| <b>BMMS</b>          | <i>Michael Clarke</i>                | Dorothee Hahne, Maike Bollen, Laila Abudulai                             |
| <b>CYTOMETRY</b>     | <i>Andrea Holme</i>                  | Irma Larma, Jahmila Parthenay  |
| <b>DMAV</b>          | <i>Andrew Mehnert</i>                | Dean Taylor*   |
| <b>EM</b>            | <i>Martin Saunders</i>               | Peta Clode, Aaron Dodd, Lyn Kirilak, Malcolm Roberts, Alexandra Suvorova |
| <b>LM</b>            | <i>Paul Rigby</i>                    | Alysia Buckley   |
| <b>MCT/XRM</b>       | <i>Jeremy Shaw</i>                   | Diana Engineer   |
| <b>MRI/BMI</b>       | <i>Kirk Feindel</i>                  | Diana Engineer, Bhedita Seewoo   |
| <b>NMR</b>           | <i>Mark Howard</i>                   | Gareth Nealon  |
| <b>SPM</b>           | <i>Tom Becker<sup>^</sup></i>        |  |
| <b>SIMS</b>          | <i>Matt Kilburn</i>                  | Paul Guagliardo, Heejin Jeon, Haibo Jiang, Laure Martin, Malcolm Roberts |
| <b>XRD - Powder</b>  | <i>Aaron Dodd</i>                    | Andrew Johnson   |
| <b>XRD - Crystal</b> | <i>Alexander Sobelov<sup>‡</sup></i> |  |

#### Abbreviations:

BMMS – Biological and Molecular Mass Spectrometry

CYTOMETRY – Flow and Mass Cytometry

DMAV – Data Management, Analysis and Visualisation

EM – Electron Microscopy

LM – Light Microscopy

MCT/XRM – Micro-computed Tomography/X-ray Microscopy

MRI/BMI – Magnetic Resonance Imaging/Biomedical imaging

NMR – Nuclear Magnetic Resonance

SIMS – Secondary Ion Mass Spectrometry

SPM – Scanning Probe Microscopy

XRD – X-ray Diffractometry

\* Seconded

<sup>^</sup> Part time

<sup>‡</sup> Temporary



**Application Group Membership – 2017**

| <b>Biomedical Sciences</b>           | <b>Biological Sciences</b>        | <b>Earth Sciences</b>                 | <b>Physical Sciences/Engineering</b>     |
|--------------------------------------|-----------------------------------|---------------------------------------|--|
| <i><b>Leader: Laila Abudulai</b></i> | <i><b>Leader: Jeremy Shaw</b></i> | <i><b>Leader: Malcolm Roberts</b></i> | <i><b>Leader: Alexandra Suvorova</b></i> |
| Maike Bollen                         | Laila Abudulai                    | Heejin Jeon                           | Aaron Dodd                               |
| Alysia Buckley                       | Maike Bollen                      | Matt Kilburn                          | Kirk Feindel                             |
| Michael Clarke                       | Alysia Buckley                    | Laure Martin                          | Paul Guagliardo                          |
| Diana Engineer                       | Michael Clarke                    | Dave Wacey                            | Mark Howard                              |
| Kirk Feindel                         | Peta Clode                        |                                       | Andrew Johnson                           |
| Dorothee Hahne                       | Diana Engineer                    |                                       | Gareth Nealon                            |
| Andrea Holme                         | Kirk Feindel                      |                                       | Martin Saunders                          |
| Haibo Jiang                          | Dorothee Hahne                    |                                       |  |
| Irma Larma                           | Andrea Holme                      |                                       |  |
| Andrew Mehnert                       | Mark Howard                       |                                       |  |
| Jahmila Parthenay                    | Lyn Kirilak                       |                                       |  |
| Paul Rigby                           | Andrew Mehnert                    |                                       |  |
|                                      | Gareth Nealon                     |                                       |  |
|                                      | Paul Rigby                        |                                       |  |

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**Platforms – (last updated May 2017)**

| Instrument  | Technique Group | Owner    |
|---|-----------------|----------|
| CAMECA NanoSIMS 50                                | SIMS            | MK       |
| CAMECA NanoSIMS 50L                               | SIMS            | MK       |
| CAMECA IMS 1280                                   | SIMS            | MK       |
| JEOL JXA-8530F Microprobe                         | SIMS            | MR       |
| FEI Verios 460 XHR                                | EM              | AS       |
| Zeiss 1555 VP                                     | EM              | PC       |
| TESCAN VEGA3                                      | EM              | MR       |
| FEI Titan G2 80-200                               | EM              | MS       |
| JEOL 2100   | EM              | MS       |
| FEI Helios FIB                                    | EM              | MS       |
| Leica TCS SP2                                     | LM              | PR       |
| Nikon A1Si  | LM              | PR       |
| Nikon A1RMP                                       | LM              | PR       |
| Olympus IX-81 Inverted Fluorescence Microscope    | LM              | PR       |
| Zeiss AxioPlan                                    | LM              | PR       |
| Leica (Aperio) Scanscope XT Digital Slide Scanner | LM              | PR       |
| Leica (Aperio) Scanscope OS Digital Slide Scanner | LM              | PR       |
| PALM Axiovert 135 Laser Microdissector            | LM              | PR       |
| WiTEC Alpha 300 AFM/Raman                         | SPM             |          |
| Digital Instruments Dimension-3000                | SPM             |          |
| Hysitron TriboIndenter                            | SPM             |          |
| Trio Keysight STM/AFM                             | SPM             | Paul Low |
| BD FACSCalibur Flow Cytometer - Bayliss           | CYTOMETRY       | AH       |
| BD FACSCalibur Flow Cytometer - IOMRC             | CYTOMETRY       | AH       |
| Beckman Coulter Z2                                | CYTOMETRY       | AH       |
| BD FACSCanto II Flow Cytometer                    | CYTOMETRY       | AH       |
| BD FACSCanto II Flow Cytometer                    | CYTOMETRY       | AH       |
| BD FACSCanto II Flow Cytometer (sold to Murdoch?) | CYTOMETRY       | AH       |
| BD SORP LSRFortessa Flow Cytometer                | CYTOMETRY       | AH       |
| Fluidigm CyTOF II Mass Cytometer                  | CYTOMETRY       | AH       |
| BD Influx Cell Sorter                             | CYTOMETRY       | AH       |
| Luminex 200 Bead Array                            | CYTOMETRY       | AH       |
| 10X Chromium Genomics Platform                    | CYTOMETRY       | AH       |
| FACS Machine –likely BD Melody                    | CYTOMETRY       | AH       |
| Zeiss Xradia VERSA XRM 520                        | MCT/XRM         | JS       |
| BRUKER MRI 9.4T Biospec                           | MRI/BMI         | KF       |
| CRI Maestro 2                                     | MRI/BMI         | KF       |
| SkyScan 1176 Micro CT                             | MRI/BMI         | KF       |
| Caliper IVIS Lumina II                            | MRI/BMI         | KF       |
| Thermo Fusion Orbitrap                            | BMMS            | MC       |
| Shimadzu GCMS QP2010                              | BMMS            | MC       |
| Waters GCT Premier                                | BMMS            | MC       |
| Waters LCT Premier XE                             | BMMS            | MC       |
| Bruker Avance 600 MHz NMR Spectrometer            | NMR             | MH       |
| Bruker Avance 500 MHz NMR Spectrometer            | NMR             | MH       |
| Varian 400 MHz NMR Spectrometer                   | NMR             | MH       |
| Varian INOVA 300 MHz NMR Spectrometer             | NMR             | MH       |
| Oxford Diffraction Xcalibur S XRD                 | XRD             | AS*      |
| Oxford Diffraction Gemini R Ultra XRD             | XRD             | AS*      |
| Panalytical Empyrean XRD                          | XRD             | AD       |
| Data and Visualization Systems                    | DMAV            | AM       |