**PTP Blood Sciences Portfolio –Year 2 and 3 Training Programme**

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| 1. **Progress meetings:**   Date 1:  Date 2:  Date 3:  Date 4: | | Meetings with mentor and/or project supervisor – dates TBC (recommended every 6 weeks): | | | |
| 1. **PTP Year 2 assessments:**   4 x (DOP)  1 x (CBD)  1 x (OCE)  PTP Year 3 assessments:  4 x (DOP)  2 x (CBD)  2 x (OCE) | | PTP portfolios (Life sciences + departmental specifics)   * Clinical experiential learning sign off * Gather evidence whilst in the departments for portfolios (x 10 for life sciences x 10 departmental specific) * Evidence can be used for IBMS portfolio (x 30 total)   Assessments key:   * DOP: Direct Observation of Practice skills * CBD: Case-based Discussion * OCE: Observed Clinical Event | | | |
| 1. **Project discussion**   To commence towards end of year 2 | | See project proposal for details (complete proposal in year 2)  Title:  Project supervisor: | | | |
| 1. **Departments / Areas Timetable** | | | | | |
| **Training period** | **Area (put in dates)** | **Learning Outcomes** | **Assessment method + Notes** | **List PTP evidence** | **✓ Outcome complete** |
| Biochemistry  Year 2:  From:  To:  M T W T F  Year 3:  From:  To:  M T W T F | Beckman Automate | Load samples on Automate | Competencies, discussions and observations | DOP or Evidence |  |
| Daily maintenance |  |
| Change parafilm |  |
| Basic troubleshooting |  |
| Sample path through Automate |  |
| Sorting drive |  |
| Housekeeping |  |
| Beckman AU5800 | Load samples AU5800 | Competencies, discussions and observations | DOP or Evidence  Attend QC meeting |  |
| Daily Internal QC |  |
| External QC |  |
| Basic AU5800 upkeep and troubleshooting |  |
| Daily maintenance |  |
| Beckman DxI 800 | Load samples DxI800 | Competencies, discussions and observations | DOP or Evidence |  |
| Daily Internal QC |  |
| External QC |  |
| Basic DxI800 upkeep and troubleshooting |  |
| Daily maintenance |  |
| Blood gas | Locate and read SOP | Competencies, discussions and observations | CBD or Evidence |  |
| Internal QC |  |
| Perform analysis / result interpretation |  |
| Osmolality | Locate and read SOP | Competencies, discussions and observations | CBD or Evidence |  |
| Internal QC |  |
| Perform analysis / result interpretation |  |
| HbA1c  See Osmolality dates (combined) | Locate and read SOP | Competencies, discussions and observations | CBD or Evidence |  |
| Internal QC |  |
| Perform analysis / result interpretation |  |
| Urine analysis  See Beckman AU5800 | Locate and read SOP | Competencies, discussions and observations | CBD or Evidence |  |
| Internal QC |  |
| Perform analysis / result interpretation |  |
| Haematology  Year 2:  From:  To:  M T W T F      Year 3:  From:  To:  M T W T F | Full Blood Counts | Locate and read SOP | Competencies, discussions and observations | DOP or Evidence or CBD |  |
| Load samples on DxH900 |  |
| Daily internal QC |  |
| External QC, i.e. NEQAS |  |
| Basic DxH900 and SMS maintenance and troubleshooting |  |
| Authorisation |  |
| Coagulation: | Locate and read SOP | Competencies, discussions and observations   * PT * APTT * INR * correction studies * D-Dimer * FXa | DOP or Evidence or CBD |  |
| Load samples on STAGO R STA Max3 |  |
| Daily Internal QC |  |
| External QC, i.e. NEQAS |  |
| Basic STAGO R STA Max3 maintenance and troubleshooting |  |
| Authorisation |  |
| ESR | Locate and read SOP | Competencies, discussions and observations  + see morphology dates | DOP or Evidence |  |
| Load samples onto Alifax analyser |  |
| Basic Alifax maintenance and troubleshooting |  |
| Daily Internal QC |  |
| External QC, i.e. NEQAS |  |
| Morphology | Locate and read SOP |  | DOP or Evidence |  |
| Prepare manual and automated blood films |  |
| Recognise common morphological features |  |
| Perform a manual WBC differential |  |
| External QC, i.e. NEQAS |  |
| Malaria  Concurrent with morphology | Locate and read SOP | Competencies, discussions and observations  If requests received + perform NEQAS (check dates) | DOP or Evidence |  |
| Perform a malaria parasite screen |  |
| Prepare and review thick and thin films |  |
| External QC, i.e. NEQAS |  |
| Sickle cell screen  Concurrent with morphology | Locate and read SOP | Competencies, discussions and observations  If requests received + perform NEQAS (check dates) | DOP or Evidence |  |
| Perform assay |  |
| Internal QC |  |
| External QC, i.e. NEQAS |  |
| Infectious mononucleosis  Concurrent with ESR | Locate and read SOP | Competencies, discussions and observations | DOP or Evidence |  |
| Perform assay |  |
| External QC, i.e. NEQAS |  |
| Blood transfusion  Year 2:  From:  To:  M T W T F  Year 3:  From:  To:  M T W T F | Blood grouping | Locate and read SOP | Competencies, discussions and observations | DOP or CBD |  |
| Manual method |  |
| Automated method |  |
| Result interpretation |  |
| Antibody screening  Concurrent with blood grouping | Locate and read SOP | Competencies, discussions and observations | DOP or CBD |  |
| Perform assay |  |
| Result interpretation |  |
| Antibody ID | Locate and read SOP | Competencies, discussions and observations | DOP or CBD |  |
| Perform assay |  |
| Result interpretation |  |
| Phenotyping  Concurrent with antibody ID | Locate and read SOP | Competencies, discussions and observations | DOP |  |
| Perform assay |  |
| Crossmatching | Locate and read SOP | Discussions and observations | CBD |  |
| Result interpretation |  |
| Kleihauer Test | Locate and read SOP | Discussions and observations | **Clinical experimental learning (H6)** |  |
| Result interpretation |  |
| Additional | POCT |  |  | 2 +  **Clinical experimental learning (H5)** |  |
| Year 2:  From:  To:  M T W T F | Specimen reception | **List learning Outcomes Completed** | Competencies, discussions and observations | Evidence |  |
| 1. **Notes:**   Additional to this there are departmental competencies for all staff which should be completed and countersigned, along with performance profiles as appropriate throughout the training procedure.  Life sciences PTP portfolio to be completed in year 2  Departmental specific PTP portfolios to be completed in years 2 and 3  Red boxes: include dates – students to co-ordinate year 3 dates  Agreed OCE Year 1   * Sweat test   Agreed OCE Year 2 | | | | | |