



CPD Profile

- 1.1 Full Name: Specialist Practitioner
- 1.2 Profession: Biomedical Scientist
- 1.3 Registration No: BS XXXX

2. Summary of recent work/practice

I am a Biomedical Scientist employed in an NHS teaching hospital laboratory with a throughput of approximately 2000 specimens per day. I am a member of the Institute of Biomedical Science (IBMS), registered on the IBMS CPD scheme.

I work in the Clinical Biochemistry Department and rotate on a three monthly cycle through the integrated immunoassay and automation section, special chemistry section (toxicology, protein chemistry and special reference) and immunology department.

Most of my training has been carried out on a one-to-one basis by the specialist section manager, senior specialist biomedical scientists and training officers. Having completed the Specialist Diploma in Clinical Biochemistry, I am currently undertaking an MSc in Medical Immunology in order to specialise in this field and qualify as a Chartered Scientist.

As a specialist biomedical scientist employed on Agenda for Change band 6 I undertake a range of complex investigations using a variety of techniques, including manual, semi-automated and automated techniques on highly specialised analysers to assist in the diagnosis of disease, and monitoring of treatment. I am a member of the departmental emergency out-of-hours service team, which provides a 24-hour service to the Accident and Emergency department, acute wards, and high dependency and transplant units.

During the past two years I have had extensive training on the Roche Modular P800s, E170 and MPA which I can now successfully operate without supervision for the sample separation, aliquoting and diagnostic analyses of all clinical chemistry and endocrine profiles. The average throughput of samples on this analyser is 1800 samples per day. I now have been responsible for daily, weekly and monthly maintenance of the analyser, supervision of sample loading and unloading, validation of abnormal results and analysis of quality assurance samples.

In the immunoassay laboratory I perform manual radioimmunoassay techniques and analyse screening samples for Down's Syndrome on the Wallac Autodelfia analyser. I perform weekly maintenance to monitor radioactivity and perform

maintenance on the Advantage analyser, which is used to measure IGF1 and growth hormone

In the immunology laboratory, I have been involved in the automated processes in autoimmunity using the Griffols Tritaurus, an automated ELISA analyser. I also prepare immunofluorescence slides and perform manual ELISAs and analyse external quality control samples. I assist in the training of other staff working within the laboratory Standard Operating Procedures

Total words: 380 (Maximum 500)

3. Personal Statement

Standard 1

A registrant must maintain a continuous, up-to-date and accurate record of their CPD activity.

As a member of the CPD scheme operated by my professional body I have an IBMS CPD portfolio which contains a validated list of CPD activities undertaken in the past two years, hand-outs of PowerPoint presentations and personal notes relating to the a wide range of IBMS validated records of reflective learning statements. I have nearly completed my first CPD diploma (see evidence 1).

Standard 2

A registrant must identify that their CPD activities are a mixture of learning activities relevant to current or future practice.

The CPD activities I have undertaken range from day-to-day work based learning, supervision of trainees for pre-registration training, incident reporting, involvement in the development and implementation of new methodologies, participation in audit trails, peer reviews, one-to-one discussions with my line manager on routine methodologies, specific errors and quality matters and attendance of relevant short courses and seminars relating to the area in which I work.

I have completed the IBMS journal-based learning activities in my relevant specialties within biomedical science which has tested and improved my knowledge and understanding of current developments.

I occasionally give presentations at lunchtime meetings.

I am undertaking a postgraduate qualification in Medical Immunology and currently preparing a poster on my project 'The Predicative Value of anti Cyclin Citrullinated Peptide (CCP) antibody in the Diagnosis of Recent Onset Rheumatoid Arthritis' to present to the IBMS Congress (see evidence 2). The qualification will provide specialist knowledge to enable me work in a supervisory and training capacity in the immunology laboratory. Subsequently I hope to undertake the IBMS Higher Specialist Diploma in Immunology in order to attain a Fellowship grade membership of the professional body.

During the past two years I have maintained a reflective journal (see evidence 3). This is a log of reviews of my day-to-day work and discussions with peers/mentors. I have used my journal to record my thoughts on the formal CPD activities, that I have undertaken. This has been a useful tool in writing reflective statements, which are assessed by the IBMS as part of the validation and monitoring process of the CPD scheme.

I attended a training programme in the use of the WinPath IT system (see evidence 4). The recent implementation of this computer system across the Primary Care Trusts was to replace the former data management system.

Standard 3 and Standard 4

A registrant must seek to ensure that their CPD has contributed to the quality of their practice and service delivery.

A registrant must seek to ensure that their CPD benefits the service user.

I gave a presentation on my MSc project to Consultant Rheumatologists, junior doctors and nurses as part of a programme of lunchtime seminars. The questions raised prompted me to revisit some aspects of my proposed poster presentation and I also feel that I have helped the clinical team in advising on test requesting and result interpretation processes which will contribute to the service this hospital provides for the patients (see evidence 2).

In response to audits, reviews and discussions relating to the usefulness of performing frequent quality control checks on assay techniques within immunology, we have made changes to increase the efficiency of the service to the requesting clinician and improved our own understanding of their requirements. These have been recorded in my reflective diary (see evidence 3).

The training I received for the Roche Modular P800s, E170 and MPA analysers has benefited my practice by enabling me to take day to day responsibility for this section of the department with regard to routine functions such as sample analysis, equipment maintenance and quality assurance. I have also been able to take over some of the basic training in this area for more junior staff and provided witness testimonies as evidence for their training portfolios (see evidence 4).

Following my training with WinPath, I am able to access patient files and diagnostic details with ease and speed. I can check and input patient demographics, and use the computer system to provide statistics for audit purposes. The WinPath IT system training programme I attended has led to great benefits to the clinicians, primary care practitioners and all wards and departments resulting from vastly improved communications with the link laboratories and enabled us to provide a co-ordinated pathology result reporting service (see evidence 4).

I have completed the IBMS Journal-based learning activities in my relevant specialties within biomedical science which has tested and improved my knowledge and understanding of current developments. This is a benefit to my practice as it has helped me contribute effectively to the weekly departmental

CPD meetings which are based on issues within pathology. The meetings range from practical and theoretical aspects of my area of work, departmental briefings by the Laboratory Manager and diagnostic developments (see evidence 5).

These meetings encourage group participation and sharing of ideas and experiences. Following a session in which we discussed the Department of Health's Knowledge and Skills Framework we are now in a position to link this to the current staff appraisal and performance review structures by mapping competency to changing practice and identifying new training requirements that maintain professional standards of practice (see evidence 6).

I have undertaken a Brighton Healthcare fire warden's course. This gives me formal responsibility for ensuring that staff members are well versed in departmental fire regulations and safety procedures. I now conduct regular briefing meetings with staff to promote communication links with all grades of employees to address their requirements and to address the implications of current European legislation relating to fire safety. My role as a fire warden supports the department in providing a safe and effective working environment to the pathology staff (see evidence 7).

I attended the scientific programme at the IBMS Congress 2005 and had an opportunity to look at new equipment being demonstrated at the trade show. This contributed to my reflective practice records. My practice has benefited as I am more aware of new developments and opportunities in Near Patient Testing and its potential application in the primary care setting as part of the pathology modernisation agenda. I have ensured that I have kept up-to-date with relevant European legislation and current assay techniques which are available for use. As an individual and as team member in my department I have therefore endeavoured to improve the service offered to our users who are the clinician, wards, departments and, indirectly, the patient (see evidence 8).

Total words: 1080
(Maximum 1500)

4. Summary of supporting evidence submitted

| Evidence number | Brief description of evidence | Number of pages or brief of description of evidence format | CPD Standards this Evidence relates to |
|-----------------|---|--|--|
| 1 | CPD Portfolio contents | 4 pages | Standard 1 |
| 2 | Project presentation and abstract: 'The predictive value of anti CCP antibody in the diagnosis of early onset rheumatoid arthritis' | 1 page | Standards 2, 3 and 4 |
| 3 | Extracts from reflective journal | 6 pages | Standards 1, 2, 3 and 4 |
| 4 | Witness testimonies from WinPath analyser training and presentation | 3 pages + 4 pages | Standard 3 and 4 |
| 5 | Departmental CPD meetings | 3 pages | Standards 2, 3 and 4 |
| 6 | Examples sheets from updated training programme in Immunology. | 6 pages | Standard 3 and 4 |
| 7 | Presentation and certificate of attendance from Fire Wardens Training Course | 5 pages | Standards 3 and 4 |
| 8 | Reflective practice summarising what I learned from lectures attended at IBMS Congress | 5 pages | Standard 1, 2, 3, and 4 |