

1. Record Nr.	UNINA9910963660903321
Autore	Pitt Sarah J
Titolo	An introduction to biomedical science in professional and clinical practice // by Sarah J. Pitt and James M. Cunningham
Pubbl/distr/stampa	Chichester, UK ; ; Hoboken, NJ, : Wiley-Blackwell, 2009
ISBN	9786612028236 9781118687710 111868771X 9781282028234 1282028235 9780470743591 047074359X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (241 p.)
Altri autori (Persone)	CunninghamJames M
Disciplina	616.07023
Soggetti	Medical scientists - Vocational guidance Pathologists - Vocational guidance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An Introduction to Biomedical Science in Professional and Clinical Practice; Contents; Preface; Acknowledgements; 1 Introduction to a career as a biomedical scientist; 1.1 What is a biomedical scientist?; 1.2 Early development of clinical laboratory sciences; 1.3 Development of the biomedical science profession; 1.4 Role of the IBMS as the professional body for biomedical scientists in the 21st Century; 1.5 Health Professions Council; 1.6 Education and training for biomedical scientists; 1.7 Codes of conduct; 1.8 Conclusion; Quick quiz; Coursework exercises; Suggested references 2 Organization of pathology departments and the role of pathology in healthcare2.1 Introduction; 2.2 Organization of pathology departments; 2.3 Staff groups within pathology; 2.4 Role of pathology in healthcare; 2.5 Users of the service; 2.6 Evidence-based laboratory medicine; 2.7 Improving the pathology service; 2.8 Point of care testing (POCT); 2.9 Role of POCT in patient care; 2.10 Conclusion; Quick quiz; Suggested exercises; Suggested references; 3 Communication for biomedical

scientists; 3.1 Introduction; 3.2 Communicating as a scientist; 3.3
 Communicating as a healthcare professional
 3.4 Delivering the message: applying principles of effective
 communication 3.5 Communication techniques; 3.6 Conclusion; Quick
 quiz; Suggested exercises; Suggested references; 4 Quality
 management in the clinical laboratory; 4.1 Introduction; 4.2 Quality in
 pathology; 4.3 Quality Control; 4.4 Quality Assurance; 4.5 Quality
 assessment; 4.6 Quality audit; 4.7 Clinical governance; 4.8 Quality
 management system (QMS); 4.9 Accreditation; 4.10 Factors affecting
 the quality of work in a pathology laboratory; Quick quiz; Suggested
 exercises; Suggested references
 5 Basic principles of working in a clinical pathology laboratory 5.1
 Introduction; 5.2 Working as a professional biomedical scientist in the
 laboratory; 5.3 Flow of work in a clinical laboratory; 5.4 Health and
 safety in the clinical laboratory; 5.5 Confidentiality, the Data Protection
 Act 1998 and the Caldicott Principles; Quick quiz; Suggested exercises;
 Suggested references; 6 Introduction to the biomedical science
 disciplines; 6.1 Introduction; 6.2 Haematology and transfusion science;
 6.3 Clinical biochemistry; 6.4 Histopathology and cytopathology; 6.5
 Medical microbiology
 6.6 Liaison between pathology disciplines 6.7 Evaluation of a new
 diagnostic test; 6.8 Sensitivity and specificity of an assay; Quick quiz;
 Suggested exercises; Suggested references; 7 Biomedical science
 laboratory techniques; 7.1 Introduction; 7.2 Haematology; 7.3 Clinical
 chemistry; 7.4 Medical microbiology; 7.5 Histopathology; Suggested
 references; 8 Development of knowledge and competency for
 biomedical scientists; 8.1 Introduction; 8.2 Gathering evidence of
 knowledge and competency for HPC registration; 8.3 Continuing
 professional development; 8.4 Professional body support for CPD
 8.5 Reflective practice for biomedical scientists

Sommario/riassunto

Biomedical Science in Professional and Clinical Practice is essential
 reading for all trainee biomedical scientists looking for an introduction
 to the biomedical science profession whether they are undergraduates
 following an accredited biomedical sciences BSc, graduate trainees or
 experienced staff with overseas qualifications. This book guides
 trainees through the subjects, which they need to understand to meet
 the standards required by the Health Professions Council for state
 registration. These include professional topics, laws and guidelines
 governing clinical pathology, basic labo