

# Online Short Courses in Blood Sciences

- Blood Transfusion
- Applied Haemostasis and Thrombosis
- Diagnostic Haemostasis and Thrombosis
- Haemoglobinopathies
- Haemolytic Anaemias
- Haematological Malignancies

[www.biomedonline.co.uk](http://www.biomedonline.co.uk)



# Overview

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BioMed Online is pleased to offer the following online short courses in the Blood Sciences field:

- Blood Transfusion
- Applied Haemostasis and Thrombosis
- Diagnostic Haemostasis and Thrombosis
- Haemoglobinopathies
- Haemolytic Anaemias
- Haematological Malignancies

Each 12-week online course is tailored to meet workplace needs and comes with full support from an experienced practitioner. The courses have been created by NHS Trusts, Pathology Joint Ventures, the UK Health Security Agency (formerly Public Health England) and the University of Greenwich, and are approved by the Institute of Biomedical Science (IBMS).

The courses have been designed for:

- Biomedical Scientists
- Clinical Scientists
- Haematology Registrars
- Clinical Nurse Specialists
- Allied healthcare professionals

‘Blood Transfusion’ will additionally support those seeking to become transfusion practitioners, and those who are embracing management of the broader aspects of a pathology service or moving into managerial positions including nurses and doctors involved in transfusion.

# Blood Transfusion

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Students who are not currently working in a transfusion laboratory will need to arrange access to/ support via a transfusion laboratory to complete assessed assignments successfully.

## Course Content

The course material is organised into seven topics:

- Blood Group Serology
- The Provision and Safety of Blood Components
- Patient Blood Management
- Blood Transfusion Management
- Education, Training and Competency
- Legislation, Standards and Guidelines
- Governance in Blood Transfusion

[Course Information | Postgraduate prospectus | University of Greenwich](#)



## Student Comments

“ The course content is excellent, and I have benefited from my learning already at work. The course has helped my understanding of all aspects of transfusion.”

**Wendy Morrison**

Nuffield Health Warwickshire Hospital

“ The course filled in knowledge gaps from my bench training, allowing me to gain an in depth understanding of the guidelines influencing blood transfusion. I now feel I have the ability to question and improve current practices in my laboratory.”

**Wendy Callan**

Forth Valley Royal Hospital

“ I thoroughly enjoyed the course: there was lots to learn with excellent tutors. It is a must for those seeking greater knowledge of the legislation and policies surrounding blood transfusion.”

**Amie Ann Coxedge**

Royal Free Foundation Trust London

“ I found the course very interesting and informative. It gave me a great understanding of blood transfusion, and I would highly recommend it.”

**Sonya Rutherford**

The Doctors Laboratory

“ The course was really useful on a practical level. It covered theoretical and practical applications of current blood transfusion legislation and guidelines. I believe it would be particularly useful for biomedical scientists working within the NHS as the coursework directly applies to everyday practical procedures utilised within a blood transfusion lab.”

**Claire Robinson**  
Milton Keynes Hospital

“ The BioMed Online Blood Transfusion course found a way to view the topic from new perspectives. The tutors were supportive and very helpful. I also gained an insight to other transfusion labs through discussions with fellow students via the chat nights and discussion forums. I would highly recommend this course.”

**Emma Naylor**  
Specialist Biomedical Scientist  
Chesterfield Royal Hospital

“ I have recently completed the Blood Transfusion module, which was my first module. It was an awesome platform where a lot of knowledge was shared. The tutors were excellent and very helpful. I have learnt a lot from them and from my fellow students.

Since I am from a small island state there are so many things that we are lacking, and this module has given me an insight to see what is missing and how I can plan ahead for a better service in my country.”

**Khadheeja**  
Senior Laboratory Technologist  
Indira Gandhi Memorial Hospital  
Malé, Republic of Maldives

# Applied Haemostasis and Thrombosis

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# Course Content

- Introduction to Applied Haemostasis and Thrombosis
- Hereditary Platelet Disorders – performance and interpretation
- Rare Bleeding Disorders – performance and interpretation
- Laboratory Aspects of Antiphospholipid Syndrome and Lupus Anticoagulant
- Acquired disorders of Haemostasis and Thrombosis

[Course Information | Postgraduate prospectus | University of Greenwich](#)



# Student Comments

“ I have recently completed the Applied Haemostasis and Thrombosis module and would fully recommended it to other students. The tutor was excellent at teaching content and also available for any questions you may have at any time. The content of the module was comprehensive and the multimedia approach to learning material helped to keep it interesting and keep your interest throughout. Very worthwhile module!!”

**Rachel Freeburn**

Specialist Biomedical Scientist, Southern Health and Social Care Trust

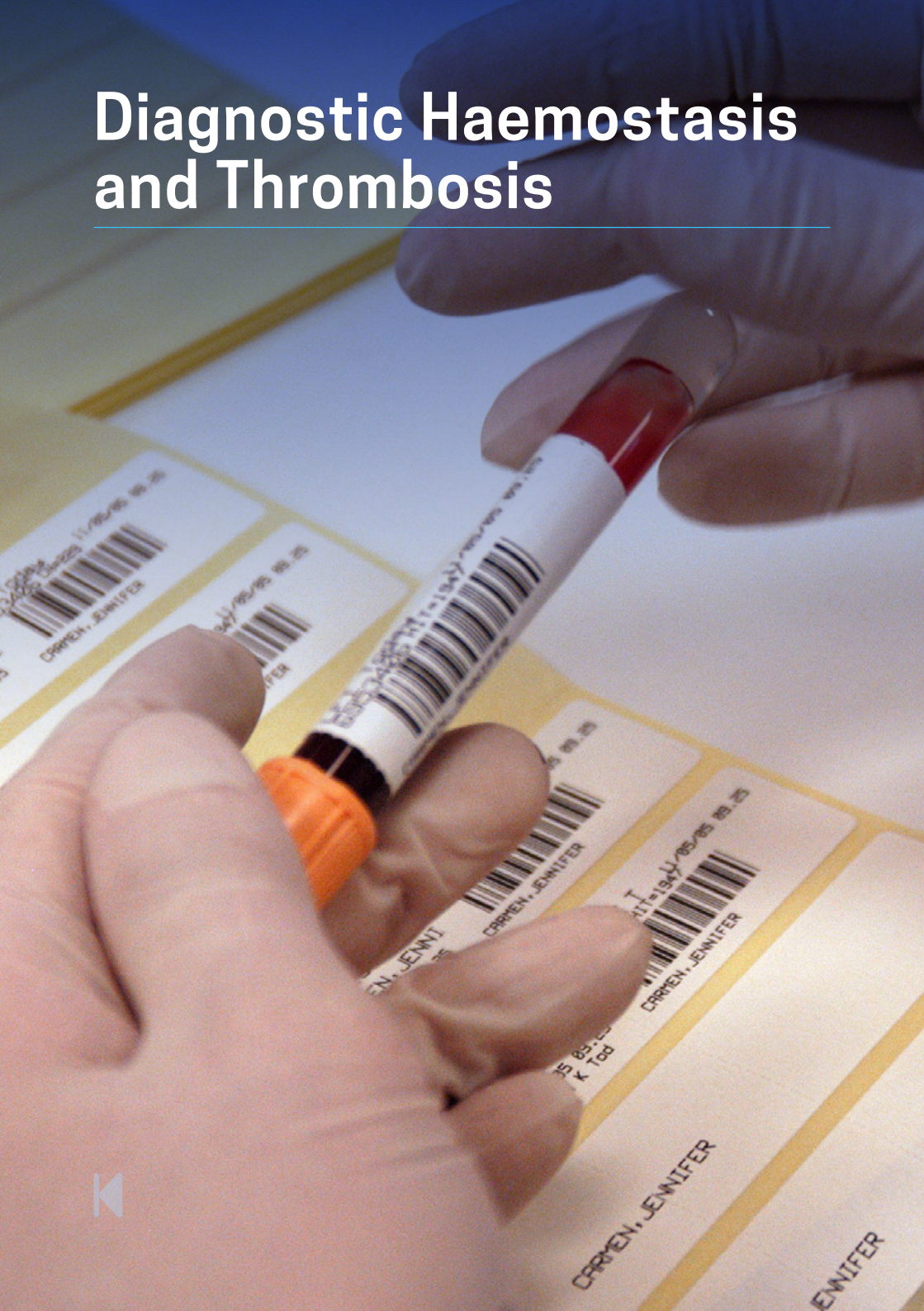
“ I found the course to be tailored in a well-suited manner for a full-time NHS employee like myself. The modules I undertook gave me an expandable theoretical and practical work-based knowledge to further my career aspects. The course material provided by the tutors were relevant and applicable to my area of specialism.”

**Liya Eliza John**

Specialist Biomedical Scientist  
Haematology and Blood Transfusion, NHS  
Oxford University Hospitals Foundation Trust

# Diagnostic Haemostasis and Thrombosis

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CARRÉN, JENIFER

JENIFER



# Course Content

- Introduction
- Normal and pathophysiological haemostasis and thrombosis
- Coagulation screening tests – performance and interpretation
- Laboratory aspects of hereditary and acquired bleeding disorders
- Laboratory aspects of thrombophilia testing and anticoagulation

[Course Information | Postgraduate prospectus | University of Greenwich](#)

# Student Comments

“ I learned extensively in this module, the assignments and quizzes were extremely beneficial to the thorough learning process. This course is extremely helpful to understand the subject and latest developments in the field of haemostasis.

Our tutor is highly knowledgeable in this field and was extremely helpful.”

## **Sathwendran Mohan**

Specialist Biomedical Scientist  
Hywel Dda University Health Board,  
NHS Wales

“ I found this course very useful and it helped me to understand the different haemostatic and thrombotic disorders. Also, it has contributed to my working career as I now understand the different disorders and the diagnostic tests that are required and how to interpret the results.”

## **Apostolia Barmpoudi**

Biomedical Scientist  
The Leeds Teaching Hospitals NHS Trust



“ I thoroughly enjoyed this course as it broadened my knowledge and was engaging through chat discussions and activities. It allowed me to balance work, home life and this module. The course content related to work-based practice and allowed us to build on our knowledge to level 7 standard. The course tutor was approachable and always happy to help.”

**Sadia Ahmed**

Specialist Biomedical Scientist  
The Christie Pathology Partnership

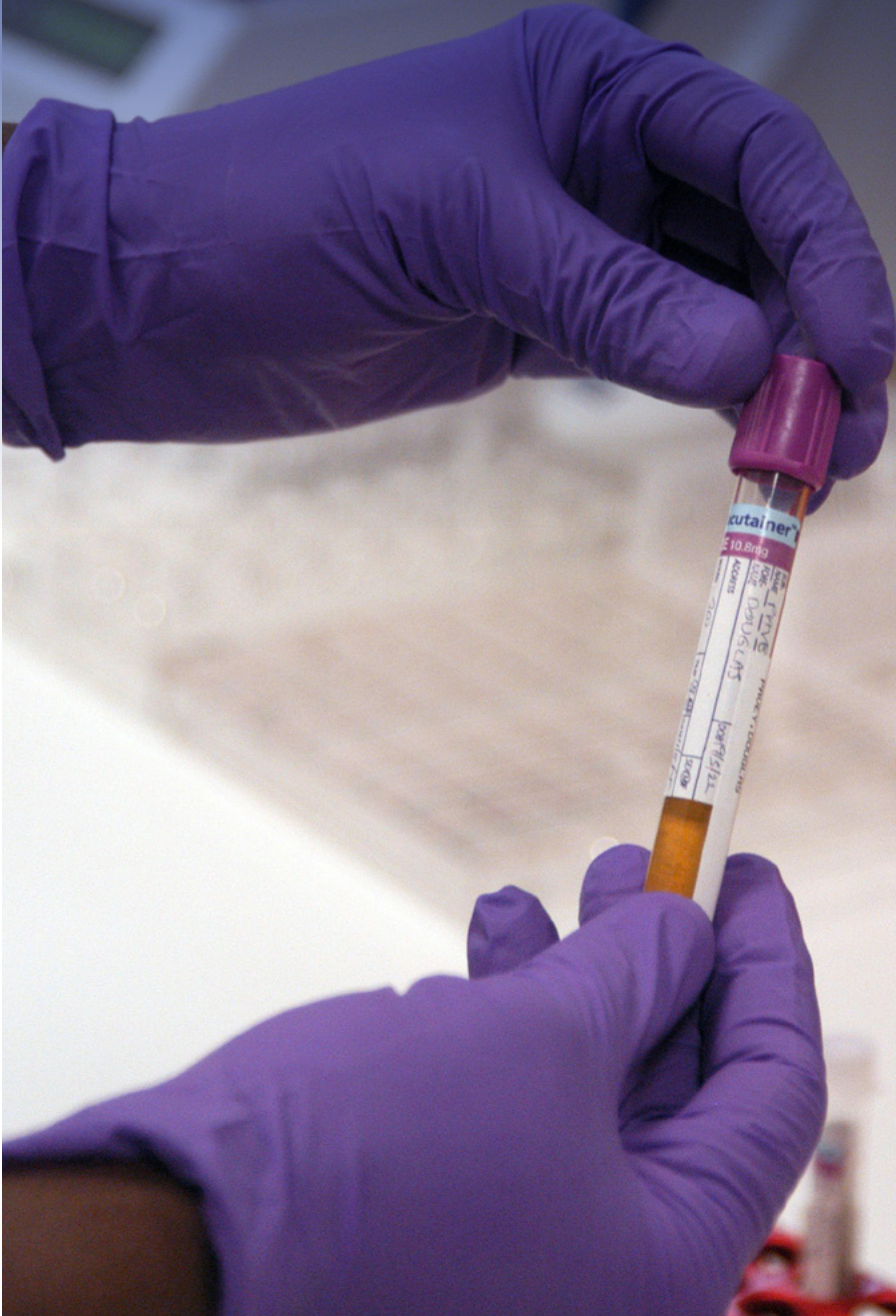
“ I took this module as it is by far my weakest area in Haematology, but together we worked through the course content (which is so applicable to life as a Biomedical Scientist in Haematology) and applied the new skills to working through case studies and the assignments. The tutor is amazing and guided us through the course. Thoroughly enjoyed it and would recommend to anyone who is a Specialist Biomedical Scientist in Haematology, or wants to have the in-depth knowledge to Haemostasis and Thrombosis. I have already applied knowledge gained to real life situations in my working laboratory.”

**Katie McGregor**

Senior Specialist Biomedical Scientist  
NHS Tayside

# Haemoglobinopathies

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# Course Content

- Introduction to Haemoglobinopathies
- Haemoglobin Variants
- Thalassaemias
- Laboratory Investigation of Haemoglobinopathies
- Differential Diagnosis, Screening & Management

[Course Information | Postgraduate prospectus | University of Greenwich](#)

# Student Comments

“Excellent course, helped me to gain an in depth understanding of haemoglobinopathies and its laboratory identification techniques. I thoroughly enjoyed the weekly chat sessions where I was able to engage with and learn from other professionals as well as the tutor.”

**Toyibat Joaquim-Runchi**

Senior Biomedical Scientist - Blood Transfusion, North Middlesex University Hospital - HSL Pathology

“I found this course very useful as it is directly involved in what I do on a daily basis and I can implement it in my practice as a biomedical scientist. The course tutor is well experienced and knowledgeable which helped me to broaden my knowledge and understanding of haemoglobinopathies, especially the importance of antenatal screening.”

**Prasanthi Ratnaraj**

Specialist Biomedical Scientist  
Frimley Health NHS Foundation Trust



# Haemolytic Anaemias

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# Course Content

- Introduction to Haemolytic Anaemias
- Hereditary and Acquired Haemolytic Anaemias
- Laboratory Methods used to Investigate Haemolytic Anaemias
- Laboratory Methods used to Investigate Enzyme Abnormalities
- Laboratory Methods used to Investigate Membrane Abnormalities
- Differential Diagnosis and Patient Management

[Course Information | Postgraduate prospectus | University of Greenwich](#)



# Student Comments

“ I recently completed a course on ‘Haemolytic Anaemias’ and I can definitely say that I found this course really helpful to me as a biomedical scientist working in haematology. My biggest takeaway from this course is that I have learnt about the pathogenesis of different acquired and inherited haemolytic anaemias, laboratory tests and its principles, treatment, and management. This is a great course to pick if you have an interest in haematology and the tutor is really supportive which is always a plus.”

## **Rivima Rai**

Biomedical Scientist Specialist  
Maidstone and Tunbridge Wells NHS Trust

“ The knowledge and practical, real-life experience of the tutor was second to none which really elevated the learning experience. The content of the course and learning outcomes have had a positive impact on my job and given me more confidence in the haematology laboratory.”

## **Lee Ford-Huggins**

Senior Biomedical Scientist in Coagulation  
South Tees Hospitals NHS Foundation Trust

# Haematological Malignancies

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# Course Content

- Introduction to Haematology Malignancies
- Myeloid Malignancies / Neoplasms
- Lymphoid Malignancies / Neoplasms
- Laboratory Methods used to Diagnose Haematological Malignancies
- Differential Diagnosis and Patient Management

[Course Information | Postgraduate prospectus | University of Greenwich](#)

“The Haematological Malignancies course was presented in a competent manner to explain the complexity in diagnostic techniques used in haematological malignancy cases. In addition, through the course the tutor showed us methods to analyse cases that are applicable for any case scenario. I had an excellent experience throughout the module.”

**Radina Chouytzova**

Trainee Biomedical Scientist  
Kettering General Hospital



# Why study with BioMed Online?

Each tutor is an expert who has been selected for their knowledge and experience of the healthcare workplace and trained by us to support students online, with a typical tutor: student ratio of 1:10

Courses are approved for CPD by the Institute of Biomedical Science, the leading body for those working in the field.

Our courses offer you a flexible, practical way to learn, for CPD or towards a PG Cert, PG Dip or full MSc.



# Key facts

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**Attendance:** 12 weeks (online)

## Entry requirements:

Our courses are aimed at employees across the health sector. You may already have a qualification in a science such as biology, biochemistry, chemistry or pharmacy at a range of levels, from HNC or BSc to PhD.

## Qualifications:

Each of our online short courses is worth 30 credits at FHEQ Level 7 (Master's level). You can complete four online short courses plus a workplace-based project in up to seven years for an MSc accredited by the Institute of Biomedical Science.

We also offer Postgraduate Certificates for successful completion of two online courses, or a Postgraduate Diploma for four courses. Please see our website at [www.biomedonline.co.uk](http://www.biomedonline.co.uk) for details of the course options for our programmes in Biomedical Science (Online), Haematology, Healthcare Management and Healthcare Quality Management.

## How to apply:

To make a booking, or to find out more, please contact us:

E-mail:

[biomedoffice@gre.ac.uk](mailto:biomedoffice@gre.ac.uk)

Website:

[www.biomedonline.co.uk](http://www.biomedonline.co.uk)

## Fee information

The schedule of fees is available at [www.biomedonline.co.uk](http://www.biomedonline.co.uk).

A discount is available for members of the Institute of Biomedical Science and students who work at an organisation that is part of the BioMed Online Consortium (please see our website for the Consortium members).

# More online courses

- Advanced Human Genetics
- Analysis of Nucleic Acids
- Antibiotics
- Chromatography-Mass Spectrometry Analysis in Healthcare Settings
- Clinical Data Interpretation
- Diabetes and the Clinical Laboratory
- Diagnosis of Breast Cancer
- Governance and Risk Management
- Healthcare Law and Ethics
- Immunocytochemistry in Diagnostic Cellular Pathology
- Implementing Advanced Quality Management (Change Management)
- Lung Disease
- Management of Healthcare Associated Infection
- Managing Learning and Development in Healthcare
- Medical Mycology
- Parasitology
- Point of Care Testing
- Quality Systems Management
- Renal Disease
- Robotics and Automation (in Laboratory Science)

**More courses coming soon...**



# BioMed Online Learning

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Faculty of Engineering and Science

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Website:

[www.biomedonline.co.uk](http://www.biomedonline.co.uk)



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