

Foreword

I want to introduce this latest update on the research and innovation activity in the Welsh Blood Service.

As we move to Autumn, we are looking forward to supporting the Component Development Research Laboratory launch.

We also present our contributions to the British Blood Transfusion Society conference. This conference is at the forefront of transfusion practice in the UK. We were able to represent the NHS Wales in several different areas of excellent practice.

We thank you for reading this update and, as ever, thank you for your donation and support of the Welsh Blood Service.

Sian James RD&I Facilitation Lead Welsh Blood Service

About this document

This document has an up-to-date summary of all planned, ongoing or completed research, development and innovation activity within the Welsh Blood Service.

This version of the document has been specially adapted so the donors, patients and the public can see the Research, Development and Innovation activity they support through the gift of blood, stem cell and organ donation.



Launching the Component Development Research Laboratory

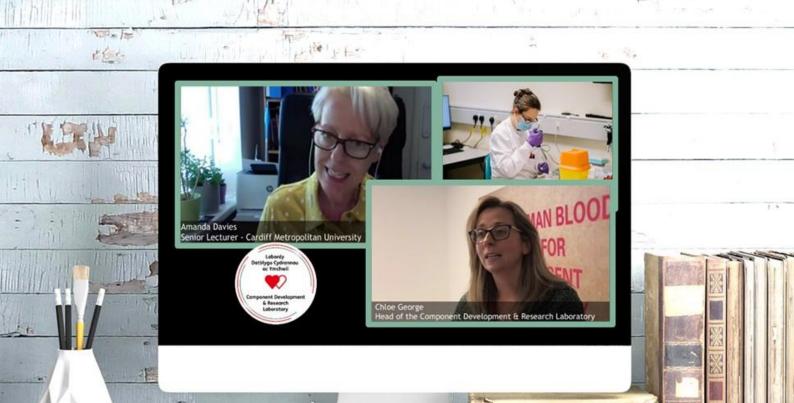
This Autumn, the Welsh Blood Service will launch a new facility. The Component Development Research Laboratory will provide us with the facilities and capacity to realise our ambition of being a centre of excellence in blood component advancement.

The launch marks an investment that has been made to provide dedicated capacity to deliver such work. Manufacturing space has been transformed into a dedicated facility and state-of-the-art equipment has been commissioned. Formal staffing will also develop over 2021, with several new and evolving posts being added to the laboratories.

The laboratory will perform a wide range of functions. It will lead the service on the implementation of changes to components regulations. It will also research and develop innovative technologies for blood manufacturing, investigating new methodologies, and producing novel components.

The laboratory work will also be able to advise the organisation on horizon scanning and potential future strategies for component development.

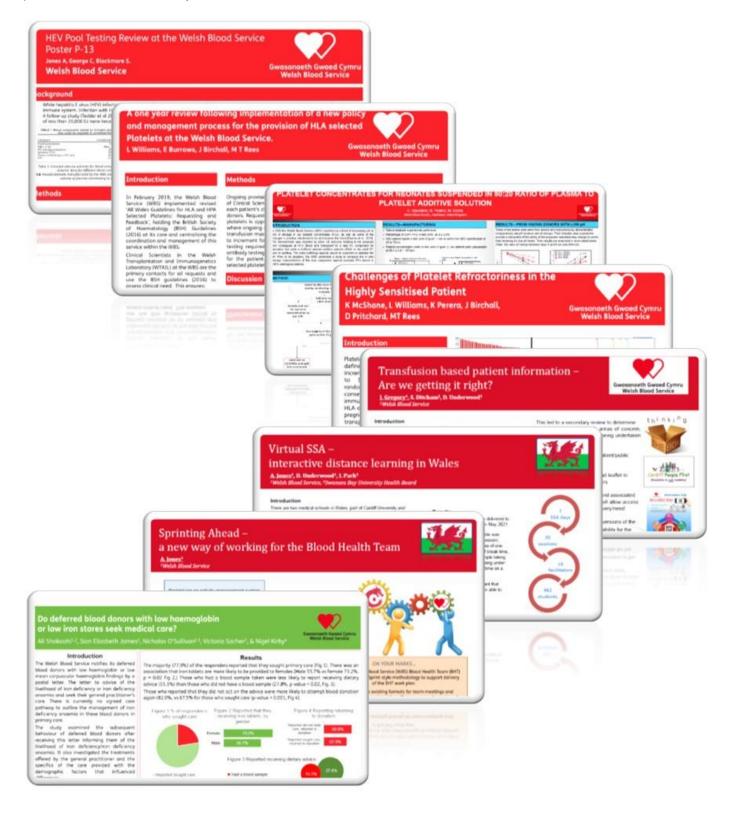
Even though this is a formal launch the laboratory already has a history of success. It has been delivering the Products theme of the Welsh Blood Service's RD&I Strategy for some time now.



Welsh Blood at



The British Blood Transfusion Society conference (BBTS) 2021 was held virtually this year. Many Welsh Blood Service staff attended the conference and we also exhibited eight posters. The conference provided a great opportunity to share some of the brilliant RD&I that the WBS has produced over the last year.



We have 14 open projects

Transplantation

in Donor Care & **Public Health**

in Products

in Therapies



solid organ and and donor



surveillance





cellular and other

45 Staff involved in research

Staff who undertake WBS research or provide service support of others' research. This also includes those performing research as part of a qualification. We also collaborate with other organisations globally, working with universities and international blood services in shared areas of interest.



25 Publications* including conference presentations and journal articles

WBS publishes in journals and presents at conferences to share our findings and build our reputation within the research community. Producing publications also provides our staff with opportunities to develop their skills and build professional reputations.

Publications

Impactful publications from the Welsh Blood Service colleagues and our collaborators in the previous 3 months.

Journal Articles

Lessons learnt from syphilis-infected blood donors: a timely reminder of missed opportunities

Stuart Blackmore in the journal Sexually Transmitted Infections

Citation: Harvala H, Reynolds C, Blackmore S, Fabiana A, et al. (2021) Lessons learnt from syphilis-infected blood donors: a timely reminder of missed opportunities. *Sexually Transmitted Infections*. Published online first: 11 August 2021. doi: 10.1136/sextrans-2021-055034

BSHI / BTS Guidance on Crossmatching before Deceased Donor Kidney Transplantation

Tracey Rees in the journal International Journal of Immunogenetics

Citation: Peacock S, Briggs D, Rees T, et al. (2021). BSHI/BTS Guidance on Crossmatching before Deceased Donor Kidney Transplantation. *International Journal of Immunogenetics*, 00, 1–8. https://doi.org/10.1111/iji.12558

Conference Proceedings

HEV Pool Testing Review at the Welsh Blood Service (Poster)

Ann Jones at the conference SHOT Symposium 2021 and

British Blood Transfusion Society Annual Conference 2021

Verification of Patient Triplicate Tests in FMH Estimation by Flow Cytometry (Poster)

Lynne Porter at the conference British Blood Transfusion Society Annual Conference 2021

Do deferred blood donors with low haemoglobin or low iron stores seek medical care? (Poster)

Sian James at the conference British Blood Transfusion Society Annual Conference 2021

Platelet Concentrates for Neonates Suspended in 80:20 Ratio of Plasma to Platelet Additive Solution (Poster)

Christine Saunders at the conference British Blood Transfusion Society Annual Conference 2021

Transfusion Based Patient Information – are we getting it right? (Poster)

Joanne Gregory at the conference British Blood Transfusion Society Annual Conference 2021

Virtual SSA – interactive distance learning in Wales (Poster)

Alister Jones at the conference British Blood Transfusion Society Annual Conference 2021

Sprinting Ahead – a new way of working for the Blood Health Team (Poster)

Alister Jones at the conference British Blood Transfusion Society Annual Conference 2021

A one-year review following implementation of a new policy and management process for the provision of HLA selected Platelets at the Welsh Blood Service (Poster)

Laura Williams at the conference British Blood Transfusion Society Annual Conference 2021

Challenges of Platelet Refractoriness in the Highly Sensitised Patient (Poster)

Kim McShane at the conference British Blood Transfusion Society Annual Conference 2021

Establishing Serosurveillance of COVID-19 in Wales

Sian James at the conference 4th European Conference on Donor Care and Management

This report is prepared by



Document valid until February 2021



