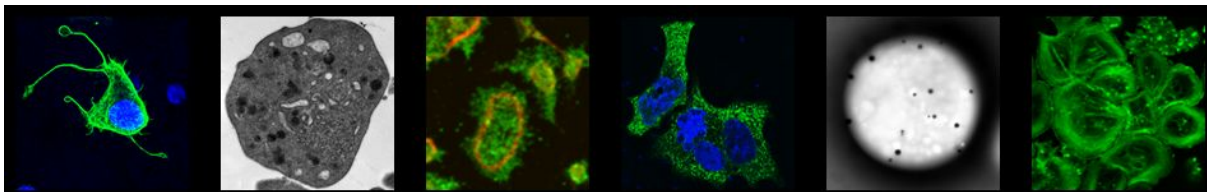


## Platelet Factsheets

### Platelets factsheets

- The series of Factsheets provide an easily understood overview of the known forms of platelet function disorders for patients and family members.
- Information is available on all of the major forms of platelet function disorders on the internet and in scientific publications. However, many of these use complex scientific terms and it is difficult to compare one disorder to another because of differences in content. The Factsheets provide a brief summary of each disorder in a unified format enabling comparison between disorders.
- The Factsheets are compiled by scientist and clinicians from the University of Birmingham Platelet Group.
- The first six Factsheets were released in February 2016. The Platelet Charity publishes one Factsheet every month.
- The following sheets are available:
  - ADP P2Y<sub>12</sub> receptor disorder
  - Bernard Soulier syndrome
  - Glanzmann Thrombasthenia
  - Grey Platelet syndrome
  - Hermansky-Pudlak syndrome (HPS)
  - MYH9-related disorder
- A single factsheet also describe commonly used terms



Helping people with bleeding disorders

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

Registered Charity Number: 1151168

Registered Address : Curo House, Greenbox, Westonhall Road, Stoke Prior, Bromsgrove, B60 4AL.

### Definition of commonly used terms

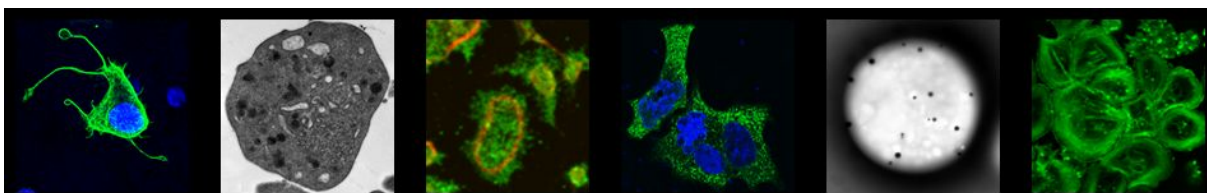
The definition of the major terms used to describe platelet function disorders is show below

- o **Born Aggregometry**

Born aggregometry is the most widely used clinical test to identify platelet function disorders. It was first developed by Prof Gus Born in 1962 and measures the clumping of platelets following the addition of a stimulant. The test does not detect all platelet function disorders.

- o **Storage Pool Disorder**

The term storage pool disorder is used to describe platelets that are associated with impaired ability to release the contents of a certain type of granule contained in the platelet cytoplasm known as a dense granule. The release of the granule contents plays an important role in mediating platelet activation by releasing agents such as ADP which activate other platelets. A storage pool disorder could be due to the absence reduced levels of granules or an impairment in the ability to release the contents of the granules. The term storage pool disorder covers a wide range of platelet disorders and additional work is required to establish the basis of the disorder. The most widely known platelet storage disorder is Hermansky-Pudlak syndrome (see Hermansky-Pudlak syndrome Factsheet).



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