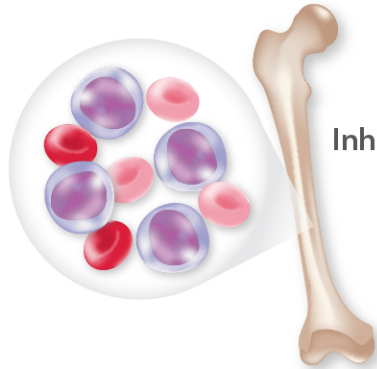


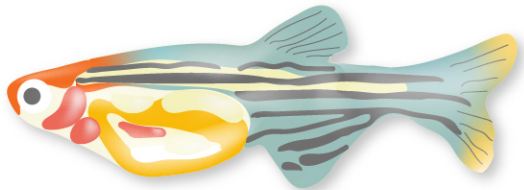
Zebrafish as a model organism for inherited bone marrow failure syndromes



Inherited bone marrow failure syndromes

Model organism

Zebrafish



- Fanconi anemia
- Diamond-Blackfan anemia
- Dyskeratosis congenita
- Shwachman-Diamond syndrome
- Congenital amegakaryocytic thrombocytopenia
- Severe congenital neutropenia

Advantages

- Rapid development of transparent embryos
- High fecundity → large numbers of mutant and normal siblings
- Large collection of mutant and transgenic lines

Developmental hematopoiesis in zebrafish

