

Rare to Relevant

HOW FA RESEARCH DRIVES SCIENTIFIC PROGRESS

How FA lights the way

Fanconi anemia (FA) is a rare genetic disorder — but the insights it offers are anything but rare. FA research is helping scientists solve some of the biggest questions in medicine, from bone marrow failure to the development of cancer.



www.fanconi.org



Cancer Biology

CANCER STARTS HERE

Many of the faulty genes that cause FA are the same genes that drive the development of cancer in people without FA. Discoveries on FA cancer will shape cancer prevention, diagnosis, and treatment — for everyone.



DNA Repair

THE BLUEPRINT FOR FIXING DNA

FA is one of the best-understood DNA repair disorders. Research has mapped the FA pathway, an essential system for maintaining healthy cells. This work informs treatments for cancer, aging, and inherited diseases.



Gene Therapy

FROM THE LAB TO LIFE

FA research has paved the way for clinical advances, including gene therapy for genetic diseases. Lessons learned in FA are helping make these treatments safer and more effective.



Bone Marrow Failure and Blood Cancers

UNLOCKING SECRETS OF THE BLOOD

Studying bone marrow failure in FA has led to new approaches for treating leukemia, myelodysplastic syndromes, and other blood cancers. It's also improving bone marrow transplant outcomes worldwide.



Broader Scientific Impact

A MODEL FOR MEDICAL DISCOVERY

Because FA affects so many systems — cancer, genetics, hematology, reproduction, and more — it's a model disease that attracts multidisciplinary research. What we learn from FA benefits science as a whole.



FANCONI ANEMIA: UNIQUE DISEASE: UNIVERSAL CURES

**FA shows the way
to a better future
for all of us.**