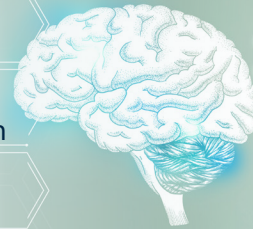


Spotlight on Brain and Central Nervous System Cancers

Approximately 25,000 new cases of brain or central nervous system cancers were diagnosed in the U.S. in 2025.

The cause of most adult brain and spinal cord tumors is not known.

The five-year survival rate for these types of cancers is roughly 33%.



Our Impact on Brain and Central Nervous System Cancer Research

We've funded

31 grants totaling over \$11.9 million.[†]

V Foundation funded researchers, over their careers, have:

Received

486 grants and over \$6.73 billion in funding.*

Produced

over 6,800 publications.*

Worked on

60+ clinical trials.*

[†]adult cancers

^{*}adult and pediatric cancers

V Foundation Funded Researchers – Proven Positive Impact

- **Hossein Khiabani, Ph.D.**, a 2019 Translational Grantee from Rutgers, focuses on mutations in aggressive cancers, particularly chronic lymphocytic leukemia (CLL). But his research has also had a significant impact in other aggressive cancers, including brain cancers and specifically, gliomas.
- Like CLL, gliomas are notoriously aggressive. Dr. Khiabani's recent study introduced a new approach to identify genetic complexities in tumors, called biclustering.
- He and his team studied cilia (tiny hair-like structures on cells) in brain tumors called gliomas.
- They found a group of genes linked to cilia, and when these genes were very active (overexpressed) in the tumors, patients tended to have worse outcomes.
- This suggests that cilia might play a role in how aggressive these brain tumors are.
- By understanding this connection, scientists might be able to develop new treatments that target cilia or the genes that control them.
- This is exciting because it offers hope for more effective ways to fight these difficult brain tumors.



*Hossein Khiabani, Ph.D.,
2019 Translational Grantee*