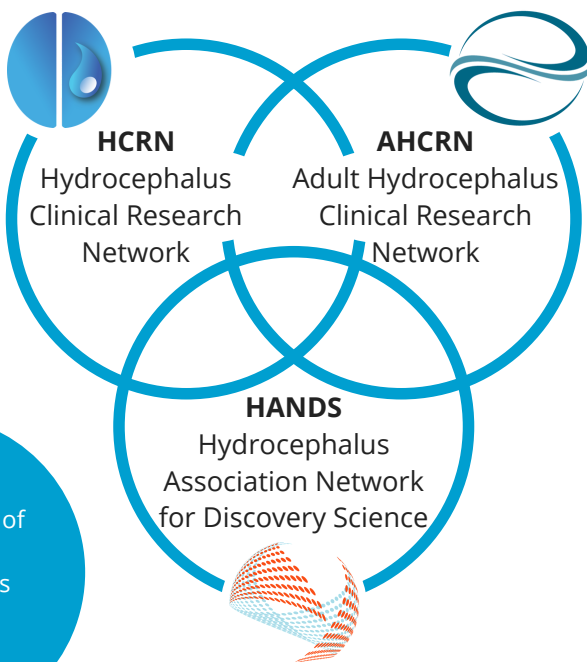


HYDROCEPHALUS IN MISSOURI

HYDROCEPHALUS IS A CHRONIC NEUROLOGICAL CONDITION THAT HAS NO CURE. ANYONE AT ANY TIME CAN DEVELOP HYDROCEPHALUS, FROM INFANTS TO SENIORS. THE ONLY TREATMENT REQUIRES BRAIN SURGERY.



TOGETHER TOWARDS A CURE



PAGE 2
for a full listing of
funded
hydrocephalus
research in
Missouri

\$13.8M
HA
INVESTMENT

\$73M
ADDITIONAL
GRANTS

MAKING AN IMPACT

The Big Picture

- 2 Clinical Research Networks
 - 1 Basic & Translational Research Network
 - 2 Biobanks
- 1 Hydrocephalus Patient-Powered Registry
- 36% Decrease in Shunt Infection Rates
- 11 Preclinical Drug Therapies in testing
 - 1 New Patent for a Drug Target
- 1 FDA Investigational New Drug Application

ST. LOUIS

WALK TO END HYDROCEPHALUS

Central Park Pavilion, Chesterfield
Saturday, October 12, 2024 at 9:00 am
hydroassoc.org/stlouiswalk



COMMUNITY SUPPORT GROUPS

St. Louis Community Network
State-wide Online Facebook Group
One-on-one Peer Support Volunteers



CONTRIBUTIONS TOWARD A CURE

WASHINGTON UNIVERSITY IN ST. LOUIS

2016 Hydrocephalus Association **\$50,000**

Early intervention for intraventricular hemorrhage (IVH). Principal Investigator: Strahle, Jennifer

2017 Hydrocephalus Association **\$50,000**

Understanding how blood is cleared from the ventricles following intraventricular hemorrhage. Principal Investigator: Strahle, Jennifer

2017 Hydrocephalus Association **\$50,000**

Pathogens and host immune response in post-infectious hydrocephalus. Principal Investigator: Limbrick, David

2018 Hydrocephalus Association **\$297,000**

Test a new drug to prevent the development of posthemorrhagic hydrocephalus by protecting the cells that line the ventricles. Principal Investigator: Limbrick, David

2018 Hydrocephalus Association **\$296,883**

Determine how the brain responds to infections that cause postinfectious hydrocephalus. Principal Investigator: Townsend, R. Reid

2018 Hydrocephalus Association **\$1,500**

Quantification and Differentiation of Periventricular White Matter (PVWM) Injury in Post-Hemorrhagic Hydrocephalus (PHH). Travel Award. Isaacs, Albert

2018 Hydrocephalus Association **\$1,500**

Impact of blood on the connections between the cells that line the ventricles. Travel Award. Castaneyra-Ruiz, Leandro

2019-2024 NIH NINDS **\$2,452,180**

Ependymal Dysfunction in Neonatal Post-Hemorrhagic Hydrocephalus. Principal Investigator: Strahle, Jennifer (follow on from HA funding)

2020 NIH NINDS through HCRN **\$1,497,695**

Endoscopic versus Shunt Treatment of Hydrocephalus in Infants. Principal Investigator: Limbrick, David

2021 NIH NINDS **\$187,675**

Experimental endoscopic third ventriculostomy with choroid plexus cauterization and its effects on brain development. Principal Investigators: McAllister, James P. & Limbrick, David

2021 Hydrocephalus Association **\$50,000**

A genome-wide assessment of noncoding risk variants in congenital hydrocephalus. Principal Investigator: Jin, Sheng Chih (Peter)

2022 NIH NINDS **\$3,097,940**

Effects of ventricular volume and cerebral connectivity on neurological outcomes in preterm intraventricular hemorrhage. Principal Investigator: Limbrick, David

2022 Hydrocephalus Assoc/Rudi Schulte

Research Institute **\$300,000**

Principal Investigator: Strahle, Jennifer

2022 DOD CDMRP **\$311,000**

Principal Investigator: Garcia Bonilla, Maria

2022 Hydrocephalus Association Innovator

Award

Principal Investigator: Haller, Gabriel

2022 Hydrocephalus Association Innovator

Award

Principal Investigator: McAllister, James

MEMBER

Hydrocephalus Clinical Research Network

Washington University, St. Louis Children's Hospital