

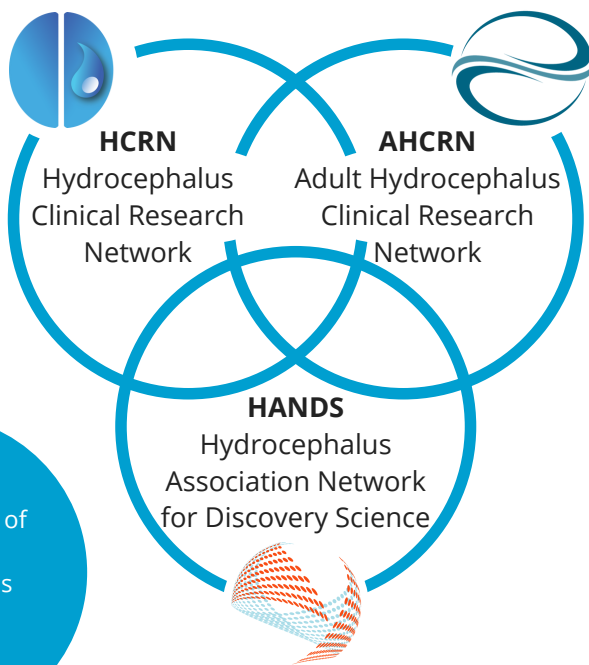


HYDROCEPHALUS IN MISSOURI

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.

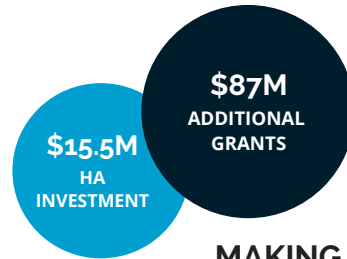


TOGETHER TOWARDS A CURE



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for a full listing of funded hydrocephalus research in Missouri



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
- 12 Preclinical Drug Therapies in testing
- 2 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. Castaneya-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

2023 Hydrocephalus Association
Principal Investigator: Strahle, Jennifer

MEMBER

Hydrocephalus Clinical Research Network
Washington University, St. Louis Children's Hospital