



HYDROCEPHALUS IN INDIANA

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.



CONTRIBUTIONS TOWARD A BETTER TOMORROW

INDIANA UNIVERSITY - PURDUE UNIVERSITY INDIANAPOLIS

2015 Hydrocephalus Association **\$50,000**
 Preclinical Testing for the Pharmacological Regulation of Cerebrospinal Fluid. Principal Investigator: Blazer-Yost, Bonnie

2016 DOD CDMRP **\$1,826,477**
 Development of Pharmacotherapies for the Treatment of Hydrocephalus. Principal Investigator: Blazer-Yost, Bonnie

2018 Hydrocephalus Assoc Travel Award **\$1,500**
 Preventing hydrocephalus in genetic animal models. Principal Investigator: Hochstetler, Alexandra E.

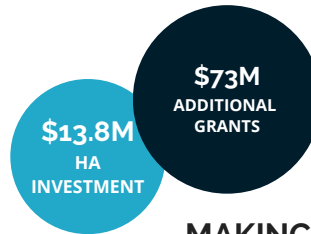
2021 Hydrocephalus Association **\$50,000**
 Pharmacokinetic and Pharmacodynamic Characterization of a Novel Pharmacotherapy for the Treatment of Hydrocephalus. Principal Investigator: Blazer-Yost, Bonnie

2021-2026 NIH NINDS Grant **\$14,000,000**
 Placebo-Controlled Effectiveness of Idiopathic Normal Pressure Hydrocephalus Shunting. Principal Investigator: Savage, Jesse

2022 Hydrocephalus Assoc Travel Award **\$1,500**
 Rapid removal of blood clot using self-cleaning catheters for treatment of intraventricular hemorrhagic and posthemorrhagic hydrocephalus. Principal Investigator: Enriquez, Angel

2022 DOD CDMRP **\$7,800,000**
 Development of Pharmacotherapies for the Treatment of Hydrocephalus. Principal Investigators: Blazer-Yost, Bonnie, Robinson, Shenandoah, and Jantzie, Lauren (MD)

2022 DOD CDMRP **\$3,900,000**
 Funding to create a lab dedicated to hydrocephalus research at Indiana University. Principal Investigator: Blazer-Yost, Bonnie.



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



COMMUNITY SUPPORT GROUP

- Indianapolis Community Network
- State-wide Online Facebook Group
- One-on-one Peer Support Volunteers