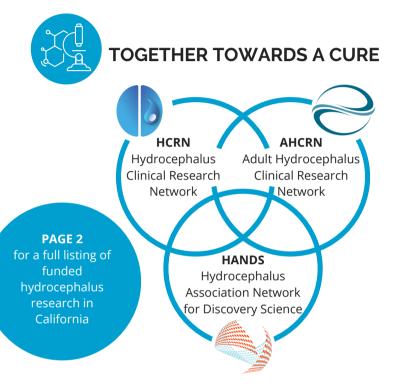


# HYDROCEPHALUS IN CALIFORNIA

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.



**MEMBER** Hydrocephalus Clinical Research Network (HCRN) Children's Hospital of Los Angeles, University of Southern California



# WALKS TO END HYDROCEPHALUS

Sacramento, Vernon St Town Sq, Roseville, Sept 14, 2024 SoCal, Downtown Redondo Beach, Date TBD San Francisco, Little Marina Green, Date TBD Fresno, Woodward Regional Park, Date TBD Orange County, Huntington Beach, October 20, 2024 hydroassoc.org/walk walk@hydroassoc.org





### **COMMUNITY SUPPORT GROUPS** Los Angeles Community Network | State-wide Online Facebook Group One-on-one Peer Support Volunteers

## WWW.HYDROASSOC.ORG





# CONTRIBUTIONS TOWARD A CURE

#### THE SCRIPPS RESEARCH INSTITUTE

2010 Hydrocephalus Association **\$110,000** Determine the role of the small lipid, lysophosphatidic acid or LPA, in fetal hydrocephalus. Principal Investigators: Yung, Yun & Chun, Jerold

#### 2014-2018 NIH NINDS \$2,556,511

Prenatal blood-borne lipids in post-hemorrhagic hydrocephalus. Principal Investigators: Yung, Yun & Chun, Jerold (follow on funding from HA grant)

#### 2016 DOD CDMRP **\$2,330,238**

New Hydrocephalus Therapies Through Interruption of Lipid Signaling and Inflammatory Pathways Using Novel Drug-Like Compounds. Principal Investigators: Yung, Yun & Chun, Jerold (follow on funding from HA grant)

#### **UNIVERSITY OF CALIFORNIA SAN DIEGO**

2011 Hydrocephalus Association **\$110,000** Determine the role of the peptide hormone augurin in CSF fluid homeostasis. Principal Investigator: Podvin, Sonia

#### 2021 NIH NICHD **\$1,417,141**

Developmental Mechanisms of Human Meningomyelocele. Principal Investigator: Gleeson, Joseph

#### LOMA LINDA UNIVERSITY

2017 Hydrocephalus Association **\$50,000** Understand how Germinal Matrix Hemorrhage (GMH) interferes with the CSF reabsorption process. Principal Investigators: Ding, Yan & Zhang, John

#### 2017-2022 NIH NINDS \$1,728,125

Cerebrospinal Fluid Dynamics in Posthemorrhagic Hydrocephalus in Neonates Principal Investigator: Tang, Jiping (follow on funding from HA grant)

#### 2021 NIH NINDS \$395,000

Harnessing blood clot clearance mechanisms after germinal matrix hemorrhage. Principal Investigators: Ding, Yan & Zhang, John

#### SCINTILLON INSTITUTE

2018 Hydrocephalus Association \$300,000 Test a new way to deliver drugs to the newborn brain. Principal Investigator: Yung, Yun

# SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE

2018 Hydrocephalus Association **\$1,500** Altered DNA content in Hydrocephalus. Travel Award. Principal Investigator: McDonald, Whitney

#### **STANFORD UNIVERSITY**

2021 NIH NIBIB **\$81,831** 

Flexible and Wireless Bioelectronics for Continuous Monitoring of Intracranial Pressure. Principal Investigator: Khalifehzadeh, Razieh

2022 Hydrocephalus Association Innovator Award Principal Investigator: Fame, Ryann

#### **UNIVERSITY OF CALIFORNIA BERKELEY**

2021 NIH NINDS **\$504,197** Choroid Plexus Multi-Sensory Cilia Regulate Production of Cerebrospinal Fluid. Principal Investigator: He, Lin

#### **UNIVERSITY OF CALIFORNIA AT DAVIS**

2021 NIH NIGMS **\$314,000** EFHC gene function in ciliary axomenes. Principal Investigator: Winey, Mark

#### **UNIVERSITY OF CALIFORNIA, SAN FRANCISCO**

#### 2021 NIH NINDS **\$125,010**

– Investigating Functional Ependymal Cell Heterogeneity in the Ventricular System. Principal Investigator: Redmond, Stephanie

#### 2021 NIH NINDS \$477,471

Structure and function of a novel population of regenerating ependymal cells. Principal Investigator: Alvarez-Buylla, Artuto

#### 2021 NIH NINDS **\$666,598**

Defective heme transport in the development of congenital hydrocephalus. Principal Investigator: Arnold, Thomas Darmody

#### UNIVERSITY OF CALIFORNIA, DAVIS PACIFIC NEUROSCIENCE INSTITUTE KECK MEDICINE AT USC

2021-2026 NIH NINDS Grant **\$14,000,000** Placebo-Controlled Effectiveness of Idiopathic Normal Pressure Hydrocephalus Shunting

#### **SENSEER HEALTH INC.**

2023 DOD CDMRP

Develop internal device that monitors information about a shunt's intracranial pressure. Principle Investigator: Lee, Sascha

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