

INVEST IN HOPE

HOPE HAPPENS
PROMOTES RESEARCH
AT THE HOPE CENTER
FOR NEUROLOGICAL
DISORDERS.

... UNTIL CURES
ARE FOUND

BECAUSE OF FRIENDS
LIKE YOU, HOPE HAPPENS
HAS FUNDED CUTTING-EDGE
SCIENCE THAT LEADS TO NEW
TREATMENTS AND CURES
FOR MANY NEUROLOGICAL
DISORDERS SINCE 2004.

hope
happens
for neurological disorders



INNOVATIVE RESEARCH
WITH PERSONAL IMPACT

Hope Happens for Neurological Disorders

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*“Innovation through
Collaboration and
Shared Resources”*



Learn more about Hope Center Pilot Projects

Each year, scientists at the Hope Center for Neurological Disorders at Washington University are invited to request up to \$100,000 for collaborative research projects. The projects are selected by an independent faculty review panel for their scientific merit, innovation, and ability to advance the mission and translational neuroscience goals of the Hope Center. Your gift will help to support more of these innovative projects!

Principal Investigator:

Valeria Cavalli, PhD

(WashU Dept. of Neuroscience)

Collaborator: Amy Moore,

MD (WashU Dept. of Surgery)



Dr. Cavalli's team project

addresses debilitating pain that often follows trauma or amputation. They propose a surgical intervention to remove a neuroma (a bundle of nerve cells and scar tissue) and insert a cap to inhibit growth of sensory nerve cells – cells that mediate pain.

Principal Investigator: Joseph

Dougherty, PhD *(WashU Dept.*

of Genetics) Collaborators: John

Cirtito, PhD (WashU Dept. of

Neurology), Carla Yuede (WashU

Dept. of Psychiatry)



Dr. Dougherty and his team are testing the idea that a normally-occurring water channel in the brain can be harnessed to clear out excess amyloid-beta, which builds up in the brain in the course of Alzheimer's disease.

Principal Investigator:

Wilson (Zack) Ray, MD

(WashU Dept. of Neurosurgery)

Collaborator: Dan Moran, PhD

*(WashU Dept. of Biomedical
Engineering)*



Dr. Ray's team aims to improve function and quality of life in patients with upper limb prosthetics following amputation. Traditional prosthetics enable motor control. Here, the goal is to enhance that control by providing sensory input – a sense of touch.

For more information about scientific teams and pilot projects, please visit the Hope Center's website at hopecenter.wustl.edu.

Your Donation Makes a Difference



Your contribution to Hope Happens is an investment that supports collaborative research at the Hope Center, and will lead to new treatments for many neurological disorders. GIVE HOPE

Levels of Recognition

HOPE SOCIETY MEMBER	\$1,000 - \$25,000 and over
FRIEND OF HOPE HAPPENS	\$500 - \$999
SUPPORTER	\$100 - \$499
ANNUAL FUND DONOR	\$1 - \$99

hope happens *Moving for a Cure*
for neurological disorders