

The Case for Support for the American Association for the Study of Liver Diseases Foundation





# Making the Impossible Possible: A World Without Liver Disease

In our lifetime, advancements in liver disease research and care have become extraordinary promises of hope for those suffering from the devastating effects of liver disease. From liver transplantation to HCV cures, the lives of countless patients have been transformed through outstanding patient care and innovative cures.

However, liver disease continues to be a major health problem. To get closer to a world without liver disease, a consistent, stable source of funding is required. As the largest private supporter of liver disease research and training in the United States, AASLD Foundation will continue to be that stable source of funding, **but we need your support.** 

Whether you are a researcher fueled by a passion to pursue discovery leading to the next liver disease cure, a clinician making a difference in the lives of patients and their families, or an industry partner committed to new treatment options — you share this vision of a world without liver disease.

Your contribution to the *Tomorrow's Cures* campaign will demonstrate your investment in bringing about tomorrow's cures and delivering on the hope and promise hepatology holds for millions of patients.

Your partnership with AASLD Foundation will lay the groundwork for a world without liver disease.



Approximately 15,000 children are hospitalized for liver disease and over 500 require transplants each year in the US\*



In 2016, liver disease was cited among the top five causes of death for people aged 45-54 in the US \*\*



Viral hepatitis has resulted in a loss of 101,800 years of potential life before age 75\*



Rates of ambulatory care have increased more than fourfold \*



If liver disease visits were combined with the 3.5 million evaluations of viral hepatitis, it would be the third leading diagnosis in the US\*

Sources: \* Everhart, James E., and Constance E. Ruhl. "Burden of Digestive Diseases in the United States Part III: Liver, Biliary Tract, and Pancreas." Gastroenterology, vol. 136, no. 4, 2009, pp. 1134-1144

<sup>\*\*</sup> National Vital Statistics System, National Center for Health Statistics, CDC



Since AASLD Foundation's inception in 2014, an average of

**85**%

of Foundation spending has directly supported research and career development awards and programs

## **A Bold Vision for the Future**

AASLD Foundation was created to fill the void between bright, talented researchers and the funding needed to encourage their discoveries.

We seek to save lives by aggressively pursuing the prevention and ultimate cure of liver disease and aim to inspire the next generation of hepatologists by supporting innovative research and connecting young investigators to essential training resources that they otherwise would not be able to attain.

We provide essential resources to train health care professionals in providing care for patients with liver disease. Our leaders are the health care professionals providing direct care to patients. We know hepatology, and its challenges, better than anyone.

"It is my pleasure to support AASLD Foundation. It's amazing to see the progress in liver disease over the last 30 years — when no good treatment other than steroids for autoimmune hepatitis and abstinence for alcoholic liver disease were available, to more and more liver diseases having become curable (HCV) or at least controllable (HBV)."

Hans L. Tillmann, MD, FAASLD

Duke University

#### A Brief History of AASLD and AASLD Foundation Awards

**AASLD Foundation Provides Critical Funding to Young Scientists** 

AASLD is legally incorporated in Illinois. The first awards are given for summer fellowship and travel to the Annual Meeting. The inaugural Jan Albrecht
Commitment to Clinical Research
Award is conferred.





The AASLD Governing Board established the Foundation

to invest in innovative hepatology research and in the people who study and treat liver disease.

1950 1977 1997 2014

Today, we are expanding the Foundation's impact through a bold, focused plan.

# The Foundation seeks to raise \$12.5 million or more in philanthropic support to:



Build **stable funding resources** to bring us closer to the vision of **100% meritorious** award funding



Raise more **unrestricted funds**, allowing flexibility to address new research needs in hepatology



Enhance training and education to build a robust workforce that is ready to care for our patients

RIGHT:
Christina C. Lindenmeyer, MD
Cleveland Clinic

2013 AASLD Emerging Liver Scholar 2017 AASLD Foundation Advanced/ Transplant Hepatology Award Recipient



Increase public awareness of liver disease

# AASLD Foundation funds a record-breaking \$4.06 million

in career development and research awards, the highest amount funded in the history of AASLD and AASLD Foundation.



## **TODAY**

AASLD Foundation anticipates growing its resources to be able to fund closer to 100% of meritorious awards for finding innovative ways to treat all forms of liver disease.



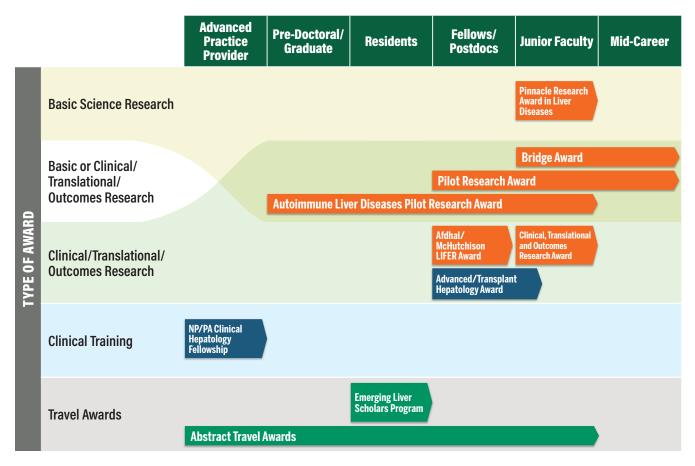
2018

# **Investing in Life-Changing Discovery and Cure**

AASLD Foundation is the largest private supporter of liver disease research and training in the United States.

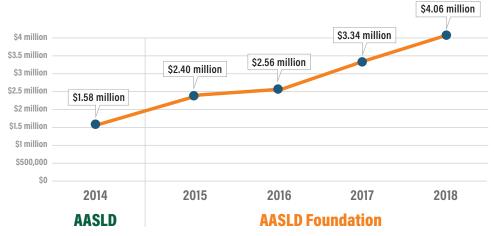
Through its Research and Career Development Awards, aimed at basic, clinical and translational researchers from student to mid-career, as well as front-line providers who want to pursue advanced clinical training in hepatology, AASLD Foundation provides funding for liver research, encourages young investigators new to the field, secures education and training for clinicians and increases access to trained hepatology providers.

#### **AASLD Foundation Awards Portfolio**



The Foundation continues AASLD's legacy of supporting research and career development — together, we have invested more than \$47 million in awards since 2000. This funding has had a remarkable impact on the careers of researchers and health care providers who study and treat liver disease. It has pushed the boundaries of what's possible in the world of liver disease research and care.

# Five-Year Funding Levels for Research and Career Development Awards Funding\*



\*Does not include funding for travel and abstract awards

#### **AASLD and AASLD Foundation Awards Impact**





RESEARCH AWARDS \$20.49 million



390
CAREER DEVELOPMENT AWARDS
\$26 million



774
ABSTRACT AWARDS
\$613,000



"After applying for a VA Merit Award and being close to a funded score, I knew our research into epigenetic mechanisms of NAFLD was of interest but needed a mechanism to generate a bit more preliminary data. With the Bridge Award, we now have the means to expand our initial findings and successfully re-submit not only a VA Merit but also future independent NIH funding. Thank you AASLD Foundation!"

Cynthia A. Moylan, MD, MHS

Duke University

2018 AASLD Foundation Bridge Awardee

(Pictured left in photo)

In 2018, in response to the continued growth in highly meritorious applications, the introduction of new Pilot and Bridge funding mechanisms and increased funding levels across the portfolio, AASLD Foundation committed to the highest awards investment in the history of the Research and Career Development Awards program — \$4.06 million to support 36 awards.

The Foundation plans to invest more than \$170,000 in travel awards in 2018, including the Emerging Liver Scholars Program and the Abstract Travel Awards. These awards enable young investigators to present their work to an international audience at The Liver Meeting®.

Through the *Tomorrow's Cures* campaign, we hope to continue to fund \$3 million or more annually and to sustain this major source of investment and opportunity for bright and promising liver disease researchers and clinicians. In addition to these awards, AASLD Foundation will dedicate additional funds to Abstract Awards and Emerging Liver Scholars Awards — demonstrating commitment to encouraging more early career investigators to pursue careers in hepatology.



#### 100% of awardees

report funding through
AASLD Foundation had a
positive impact on their career



Every dollar the Foundation invests in research awards leads to

**\$2.49** 

in subsequent funding from the NIH, DoD or VA\*

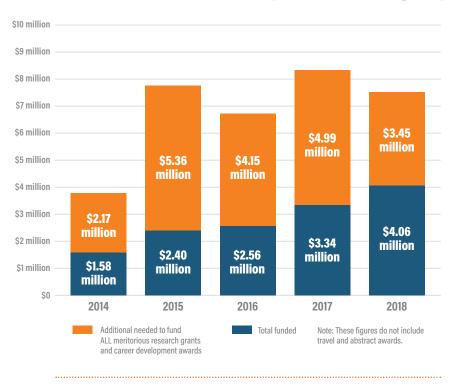
\*AASLD/AASLD Foundation Research Awardees funded in Award Years 2009–2016. Data obtained from Federal RePorter.

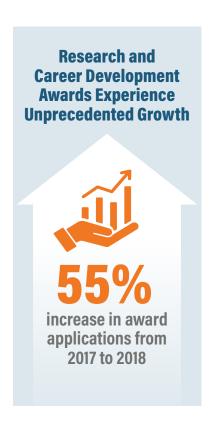
# **Help Us Bridge the Funding Gap**

Despite AASLD Foundation's increasing funding, we still have a sizable gap. This funding gap — in 2018, a gap of \$3.45 million — represents lost discovery and ultimately lost lives.

We continue to see competition for NIH liver research funding rise, making it even more challenging for young hepatologists to receive the grants that enable them to pursue a career in research. Without funding, we may lose prospective researchers to other career paths, and all the potential they had for improving the lives of those afflicted with liver disease is lost.

#### **Research and Career Development Funding Gap**





# Only 60% of meritorious research award applications could be funded in 2018

#### **Our Awards Make Research Possible**

AASLD Foundation's Research and Career Development Awards have been crucial in helping young researchers create a body of work that makes them competitive for scarce NIH grants and more likely to establish research careers that will transform the lives of patients.

Anthony Derencius, PA-C Texas Liver Institute 2018 AASLD Foundation NP/PA Clinical Hepatology Fellowship Awardee



PICTURED RIGHT IN PHOTO ABOVE:

Negin Karimian, MD, PhD

Massachusetts General Hospital

2014 AASLD/LIFER Clinical and Translational
Research Fellowship Awardee

"The AASLD Foundation Pinnacle Research Award plays an instrumental role in my ability to eventually become an independent investigator. It also supports basic science, which is crucial to enabling the discovery of innovative translational and therapeutic strategies that may improve and ultimately prevent the progression of liver disease. It is an impactful and meaningful award that supports the important work of future

generations of liver disease researchers and experts in the field."

Cristina Llorente, PhD
University of California, San Diego
2018 AASLD Foundation Pinnacle Research Awardee
(Pictured right)

Brian Kim, MD Mount Sinai School of Medicine 2013 AASLD Foundation Advanced/ Transplant Hepatology Award Recipient





Our research funding has had a tremendous impact on advancing hepatology — and our investment in young researchers is showing real returns. AASLD Foundation Research Award recipients reported that:

46%
have gone on to receive federal funding during or post award



Researchers held over \$5 million in NIH funding in fiscal year 2017 alone



7 R Series Awards were received





They collectively have received over \$24 million in federal funding during or post AASLD/AASLD Foundation Award

Research awardees funded by AASLD Foundation are published in major scientific journals and present at scientific meetings worldwide



AASLD/AASLD Foundation Research Awardees funded in award years 2009–2016. Data obtained from Federal RePorter.

## We have an opportunity to act now

Investing in AASLD Foundation today means we are better positioned to achieve our vision for tomorrow, including:

- Funding closer to 100% of meritorious award applications
- Enhancing training and educational opportunities to build a robust workforce that is ready to provide exceptional care for patients
- Developing resources for public awareness of liver care and health



# **Training and Education Opportunities**

We are investing in innovative liver disease research and in the people who treat liver disease patients.

Through initiatives like the Foundation's Fundamentals of Liver Disease online learning curriculum, Nurse Practitioner/Physician Assistant Fellowships and career development programs, we continue to build resources for primary care physicians, physician assistants, nurse practitioners and other health care providers on the front lines of implementing screening recommendations for liver diseases.

Our commitment to encouraging the brightest minds to pursue a career in hepatology is demonstrated by our Emerging Liver Scholars Awards, our Abstract/ Travel Awards, and the Memorial Travel Awards. These innovative and popular programs recognize excellence within the early career investigator community while providing unparalleled opportunity for mentoring, education and networking as well as stipends to attend AASLD educational events.



LEFT TO RIGHT: Julius M. Wilder, MD, PhD Duke University

2018 Recipient of the AASLD Foundation Clinical, Translational, and Outcomes Research Award in Liver Transplantation in Memory of the University of Michigan Transplant Team

Andrew J. Muir, MD, FAASLD Duke University Mentor to Dr. Wilder

# AASLD Foundation is leading the way, bringing tomorrow's cures today

Join us as we embark on a transformational initiative to shift the landscape of liver disease. Your support for the *Tomorrow's Cures* campaign will:

- Advance the specialty and bring about innovative treatments for liver disease patients
- Attract the best and brightest minds to the field
- Facilitate collaboration with patients leading to improved awareness about liver health
- Showcase your strong commitment to, and belief in, the research, education and training
  programs that underlie all the great advances and discoveries in the field of hepatology

In return, you can count on AASLD Foundation to be thoughtful stewards of your donation. Rest assured, any gift you give will be used to meet our mission, and it will have a tremendous impact on the future of patients and hepatology.

By convening partners in research, clinical practice, industry, philanthropy and the large liver disease community, the Foundation is actively working to ensure new discoveries that could positively impact the lives of millions of patients.

Together, we can make great strides in our shared vision of a world without liver disease.

For more information about the *Tomorrow's Cures* campaign, contact:

Julie Deal, Executive Director, AASLD Foundation (703) 299-9766 or foundation@aasld.org

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