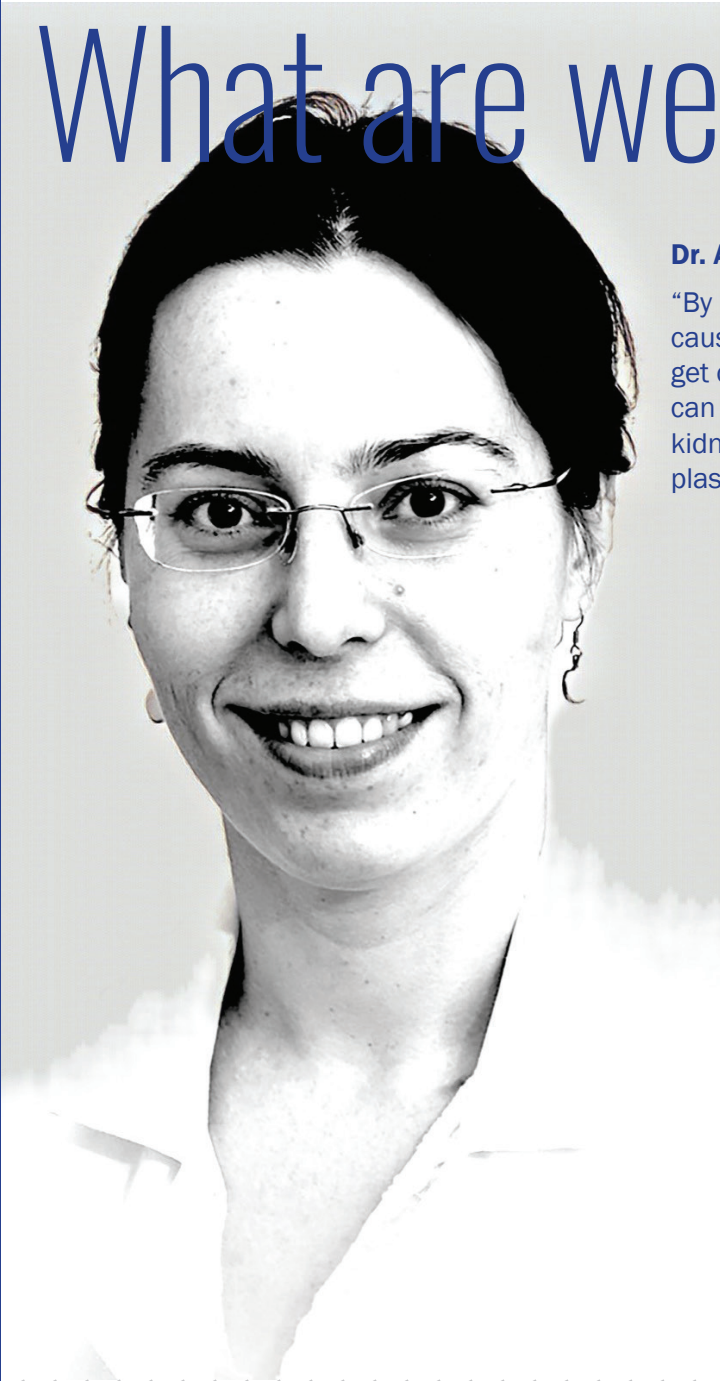


Amyloidosis

WINTER 2018 | ISSUE 31 | bu.edu/amyloid

What are we up to?



Dr. Andrea Havasi -

“By understanding the mechanism causing kidney cell toxicity we will get closer to finding a therapy which can potentially prevent or cure kidney damage in patients with plasma cell dyscrasia.”

**Letter from the
Director**

Center Visitors

**New Research
Initiatives**

Information Corner

Family Fundraisers

Social Media

**Fundraising
Salute**



Amyloidosis Center



Letter from the Director

Vaishali Sanchorawala, MD



Dear Friends,

Best wishes from the Amyloidosis Center at Boston University School of Medicine and Boston Medical Center for 2018. I hope you will join us in celebrating the many accomplishments of our faculty, trainees and staff described in this edition of our newsletter.

Our Amyloid Clinical Program continues to grow. Each week, 25 or more patients are evaluated by a multidisciplinary team of clinical experts and given opportunities to participate in standard and novel therapies for AL, AA, and ATTR amyloidosis. We are able to offer innovative treatments tailored to each patient's need and disease type. This is truly a new era of expanding therapeutic landscape for systemic amyloidosis. We welcome several new physicians who have joined our dedicated clinical team this year: Dr.

Vina Nguyen and Dr. Pooja Phull (internists), Dr. Deepa Gopal (cardiologist), Dr. Hanni Menn-Josephy (nephrologist) and Lisa Mendelson (nurse practitioner).

We continue to build our basic laboratory research programs in the Alan and Sandra Gerry Amyloid Research Laboratory and to collaborate with investigators across our university and at other medical centers. We are confident that the treatments of the future will be guided by basic research studies. We are pleased to announce several new research awards. Dr. Celia Torres-Arancivia, a post-doctoral fellow with Dr. Connors, has been awarded an Amyloidosis Foundation Research Grant for studies of Clusterin in ATTRwt amyloidosis. Dr. Lawreen H. Connors is the recipient of an NIH High Priority, Short-term Project Award (R56) from the National Institute on Aging which will help fund the continuation of her research project, "Molecular mechanism of ATTRwt cardiac amyloidosis." Dr. Connors has also been awarded grants from the Wildflower and Carpenter Foundations for studies on AL and ATTR amyloidosis. Congratulations to Dr. Connors and her team extraordinaire! We are so proud of them. Our laboratory research has expanded with two clinician scientists, Drs. Andrea Havasi and Shayna Sarosiek. They are featured in this edition (page 4).

The XVIth International Symposium on Amyloidosis will be held in Kumamoto, Japan this coming March 2018. Many members of our research and clinical teams will attend and present research at this meeting. It will be a wonderful opportunity to meet with investigators from around the world. We firmly believe that collaboration with other amyloid teams will enhance discovery and lead to a cure for amyloid diseases.

I hope you enjoy reading this report and learning more about our past year. During 2018, we will continue to focus on the three pillars of our vision: excellence, innovation and collaboration.

Our hopes for this year are high; progress is only possible with your generous and steadfast support. I take this opportunity to thank you for your support and friendship. We send our best wishes for a happy, healthy and prosperous 2018 to you and yours.

Sincerely yours,

Vaishali Sanchorawala
Vaishali Sanchorawala, MD

Center Visitors

The David C. Seldin, MD, PhD Amyloid Research Training Fund

The purpose of this training fund, established in 2016, is to provide support to investigators in the early stages of their careers who are conducting amyloidosis research.

Roberta Mussinelli, MD

As previously reported, Roberta Mussinelli, MD was the first recipient of this prestigious award. Dr. Mussinelli is a researcher and an Internal Medicine Fellow at the University of Pavia, in Pavia, Italy. She arrived in Boston in January 2017 and returned to the University of Pavia in July. While here at the Amyloidosis Center, her work focused on analyses of serial echocardiograms, to detect the characteristics of abnormalities in wild type amyloidosis. She also studied the effect of treatments on the progression of other amyloid heart disease. Dr. Mussinelli worked very closely with Dr. Frederick Ruberg, who served as her mentor during her time here.



Drs. Stefano Perlini and Roberta Mussinelli

Stefano Perlini, MD

During Dr. Mussinelli's stay, we were visited by her mentor and our friend, Dr. Stefano Perlini. Dr. Perlini is a highly respected amyloid cardiologist from Italy. He is a Consultant Cardiologist of the Center for Research and Treatment of Systemic Amyloidosis at the University of Pavia, Italy. He is the Head of the Metabolism and Cellular Pathology Laboratory of the Internal Medicine Department at the university. Dr. Perlini's main research areas are studies of the mechanisms underlying systolic and diastolic dysfunction evident in myocardial hypertrophy and in different cardiomyopathies, in both clinical and experimental setting. While here he also presented to the Amyloidosis Center Research Group. His talk was entitled "Cardiac TTR-Amyloidosis: new insights on genotype/phenotype correlations".

Christopher Mueller, MD

Dr. Mueller visited the Amyloidosis Center in early May of this year. Dr. Mueller is an Assistant Professor within the Department of Cardiology, Medical College of Wisconsin, in Milwaukee, WI. Dr. Mueller is a board certified cardiologist interested in amyloid diseases that affect the heart. He plans to start an amyloid clinic in Milwaukee and visited to learn more about how we function here at the Amyloidosis Center. He worked closely with our cardiologists, Drs. Frederick Ruberg and Omar Siddiqi, during his visit.

Analiese Fernandes

This summer Dr. Lawreen Connors and the Gerry Amyloid Research Laboratory hosted Analiese Fernandes, a sophomore from the University of Pennsylvania. Analiese is double majoring in Biology, with a concentration in Neurobiology and Economics from the Wharton School. She is very interested in learning more about research while developing new skills and more details about how drug therapy is discovered for specific diseases.

On her final day she presented to our amyloidosis research group. Her presentation was entitled "Studying AL Amyloidosis" in which she highlighted her achievements during this internship. She learned the disease process of AL (Light Chain) Amyloidosis, how the diagnosis is made and the possible treatments. She was fascinated by the various processes used to identify amyloid deposits.



*Above: Analiese Fernandes
Below: with research group*

New Research Initiatives

Andrea Havasi, MD

I am a nephrologist and have worked in the Center since 2010. My research in the Gerry Amyloid Research Laboratory focuses on the toxic effects of light chains in the kidney. Light chains are components of antibodies and are secreted in excess from plasma cells (antibody producing cells) in a group of malignant diseases called plasma cell dyscrasia. These circulating light chains are deposited in different organs in the body, including the kidneys, causing organ damage by both architectural destruction and direct cell toxicity. We aim to determine the mechanisms involved in direct kidney cell toxicity focusing on autophagy, the main recycling process in the cells. We hypothesize that autophagy is impaired in renal cells exposed to excess light chains.

We will expose primary mouse and human kidney cells in culture to light chains obtained from urine of patients with renal involvement, and test which steps in the autophagic process are affected. We will use pharmacologic and molecular biological techniques, including an innovative method based on nanoparticles to increase autophagy, and examine if this ameliorates cell toxicity.

By understanding the mechanism causing kidney cell toxicity we will get closer to finding a therapy which can potentially prevent or cure kidney damage in patients with plasma cell dyscrasia.

Shayna Sarosiek, MD

As a hematologist at our Center, I enjoy being involved in the clinical care of our patients. I also take great pride in conducting research that will improve the care of AL amyloidosis patients.

Most recently, I have had the opportunity to lead three research projects that are studying different aspects of AL amyloidosis. The first project uses a sample of bone marrow to perform a detailed genetic test to detect very small amounts of disease which might persist after treatment and would not be detected on a standard bone marrow test. I am hopeful that this type of testing will be a better way to assess if a patient's disease is in remission and allow us to make more informed decisions about treatment.



The second research study uses the clonal plasma cells in the bone marrow (the cells that produce the abnormal protein which leads to organ damage) to study the specific mechanisms that cause death in those cells when they are exposed to traditional or new innovative therapies.

The third research project is a clinical trial studying propylene glycol-free melphalan, a newer and potentially less toxic formulation of the high-dose chemotherapy that is typically given prior to a stem cell transplant. This trial will determine if patients have fewer side effects to already damaged organs (such as the kidneys) when this new drug is used prior to stem cell transplantation. These results could potentially lead to the development of new treatment strategies.

I look forward to completing enrollment in these trials and I am very hopeful that the results from these studies will improve care for patients with AL amyloidosis.

Celia Torres Arancivia, PhD, Post-Doctoral Fellow

CLUes to a possible role for clusterin in ATTRwt amyloidosis

Acquired wild-type transthyretin (ATTRwt) amyloidosis is an underappreciated cause of heart failure in older adults. With symptoms that can manifest as early as 60 years of age, this fatal disease features infiltration of the heart by amyloid fibrils composed of the plasma protein, transthyretin (TTR).



In familial TTR amyloidosis, mutations in TTR are responsible for destabilization of the protein's native state. However, in acquired ATTRwt amyloidosis, TTR lacks destabilizing alterations and it is plausible that other factors may be responsible for the onset and progression of the disease. Thus, I believe that clusterin (CLU), a plasma circulating glycoprotein known to exhibit chaperone-like activity, may play a role in wild-type TTR amyloid fibrillization.

I plan to define such a role with the generous support of the 2018 Amyloidosis Foundation David Seldin, MD, PhD Memorial Research Grant that I was awarded in November of this year. I will compare the structure of CLU derived from patient and healthy control sera, and characterize disease-specific structural elements that may be responsible for limited chaperone capacity towards non-native forms of TTR. In addition, I will evaluate whether serum levels of CLU have utility in monitoring disease progression and their response to treatment.

These studies are novel and could potentially advance a previously unexplored therapeutic approach that considers CLU as a key component in this pathologic process.

Information Corner

Genetic Counseling

Familial amyloidosis patients might notice some new faces at our Center. We are joined this year by genetic counseling students, who are learning more about how best to help patients navigate their genetic health. The students are in their first year of a two-year program at Boston University School of Medicine. In cooperation with Boston Medical Center, they rotate through different clinics such as the Amyloidosis Center, prenatal clinic, pediatric clinic, Down syndrome clinic, and Cancer Center, so they can gain exposure to different areas of clinical medicine and learn the full scope of what hereditary disease means for patients and their families.

Genetic counselors are healthcare professionals, trained in both medical genetics and counseling. They interpret the complicated system of genetic testing for patients by helping determine which genetic tests they should take, and make informed decisions about their healthcare, and they explain the implications of genetic testing. They provide emotional support, while educating patients and their families on inherited diseases and the genetic risks. Genetic counselors can be found at work in hospitals and clinics, government agencies, public health organizations, biotechnology companies, and in research. Through their observations with the Amyloidosis Center, the students prepare for their future careers by learning the clinical application of genetic counseling, to best be able to support the affected patient population.

If you and your family would like to speak with a genetic counselor as part of your amyloid evaluation, please let us know!

Family Fundraisers

“Bill’s Race to Beat Amyloid”

Bill Cunningham loved to ski. “Any day skiing is a great day,” he was often known to say. He was a certified ski instructor and spent more than 30 years at Cannon Mountain in New Hampshire, as instructor, director, technical director, and of course skier. After being ill for some time, Bill was diagnosed with AL amyloidosis and succumbed in 2007 at age 58. He is survived by his wife Carol, and their children, Will and Cait.



*Will, Cait, and Carol Cunningham
with Dr. Connors*

Bill’s loss was devastating to his family. Bill and Carol were best friends, soul mates, and partners in everything they did. They were active in their life together, and spent their free time fishing, skiing (on snow and on water), playing tennis and golf, or just cruising out on the boat together. Bill’s presence loomed large in the community. Carol knew that she could do something extraordinary to honor his memory.

In March 2008, Carol organized the first, of what would become the annual, “Bill’s Race to Beat Amyloid.” It is a ski race, along with an entire day of celebration, complete with raffles, silent auction, and prizes for winners. Carol wanted to honor Bill, and

also to raise money for research while drawing attention and awareness to a rare disease. She continues working to spread the word, so that people who are affected can be diagnosed sooner and get earlier treatment.

In the years since his passing, Will and Cait have grown up. Now they help their mom organize the race. Many of the items in the silent auction are ski related. This year featured lift tickets to Bretton Woods, a “gold tune” ski tune-up from The Race Room, and a season pass to Cannon Mountain, where the race takes place. There are also items donated from area businesses, such as a cut and split cord of firewood, an Adirondack chair, a membership to the local Colonial Theatre, and stays at area hotels and resorts.

“Bill’s Race” has grown over the past ten years. People attend from far and wide: many participants remember Bill, and there are many newcomers who come for the festivities. We are astonished at what the Cunninghams have accomplished for the Amyloid Research Fund! To support the effort and join the fun, participate in the 11th annual “Bill’s Race” on Saturday, March 3, 2018.

“Fit to Be Tied”

Bob Palmer was the picture of health. He was athletic: he loved bicycling, often biking up to 14 miles per day in Onondaga Lake Park, and he loved running — he completed 15 marathons, including the Boston Marathon, and regularly participated in local running races. It was a shock to everyone when he was diagnosed with AL amyloidosis. He was surrounded by his family when he passed in 2015, at age 65.

Kevin and Floris Palmer



Bob and Floris Palmer were married for 43 years. They were friends and constant companions. Floris knew there would have to be a very special event to honor his memory. After all, while a devoted husband, father to Megan and Kevin and grandfather to Reed and Willa, he also had a



considerable impact on the community. Bob held degrees in psychology, special education and school psychology, and was dedicated in his 30 years as a school psychologist. Inspired by this, Floris and Megan began planning “Fit to Be Tied: Race for Amyloidosis Awareness”. Participants are invited to wear their craziest ties, in honor of the crazy ties that Bob wore to make his students laugh.

Fit to Be Tied has a 5k run and a 3k walk in the Onondaga Lake Park that Bob loved so

much. Awards are given to the top finishers of both races, and all participants receive a “Fit to Be Tied” t-shirt and raffle ticket for varying prizes. There is also a prize for the craziest tie! Racers are encouraged to bring their most outlandish and creative best.

In the two years since its beginning, “Fit to Be Tied” has grown. Racers attend from all across the region. The Palmer family are joined by their family, their friends, people who knew and loved Bob, and people who love running. The Palmers have organized “Fit to Be Tied” for two years running, and they are not stopping there! Join them for the 3rd Annual “Fit to Be Tied” event on Sunday, May 20, 2018.

We are so grateful that the Cunningham family and the Palmer family have chosen the Amyloidosis Center as the recipient of their fundraising efforts.

Here’s how you can help!

Are you interested in participating in these fundraisers? You can find out more here:

- <http://billsrace.com>
- <http://www.fittobetied.org>

Are you interested in planning a fundraiser? Please contact us by phone or by email at amyloid@bu.edu or 617-638-4317 to find out how we can help!

Social Media

We are pleased to announce that the Amyloidosis Center is now on social media! This past spring, we launched our official Facebook and Twitter pages. Follow us here:

Facebook ► **BU Amyloidosis Center** **Twitter** ► **@Amyloidosis_BU**

By establishing a social media presence we hope to keep patients, doctors and colleagues informed on the latest Amyloidosis Center news and updates, while continuing to spread awareness on Amyloidosis. We also hope that our social media platforms can serve as a resource for visitors who would like to know more about Amyloidosis and the Amyloidosis Center. In particular, our website has information on the following aspects:

- Amyloidosis Types: Signs and Symptoms
- Our evaluation process: How initial evaluation works and arrangement
- Research: Our Laboratory and Publications
- Diagnostics and Genetic Testing

Live Tweet Event

SAVE THE DATE: Thursday, January 18, 2018 | #AskBUAmyloid

What is the difference between AL and AA Amyloidosis? What are the symptoms of ATTRwt Amyloidosis? Where in my body can Amyloidosis occur? If you have general questions about Amyloidosis and would like to hear from a doctor, this is the event for you! We are excited to announce our first-ever Live Tweet event happening on Thursday, January 18, 2018 from 9:00am – 4:00pm ET.

Here's how it works:

1. Log into your Twitter account, or start a Twitter account if you do not have one already.
2. Follow us at: @Amyloidosis_BU
3. Press the "Tweet" button on the upper right hand corner and enter your question in 280 characters or less. Be sure to include #AskBUAmyloid in your tweet, as this is how we track and reply to your tweet!
4. Press the "Tweet" button to submit your Tweet!

Dr. Vaishali Sanchorawala, our director, will be personally replying to your tweets. Dr. Sanchorawala is a hematologist, and is also the Director of the Stem Cell Transplantation Program. She has been affiliated with the Amyloidosis Center since 1994 and is one of the pioneers in the field of clinical research in AL Amyloidosis.

Please submit tweets within the allotted time period, as we will not be able to reply to tweets outside of the event period. If you have any unanswered questions, please refer to our website or our social media pages. Please do not include any personal information, as [tweets are publicly posted](#). We look forward to tweeting with you!



Amyloidosis Center 2017



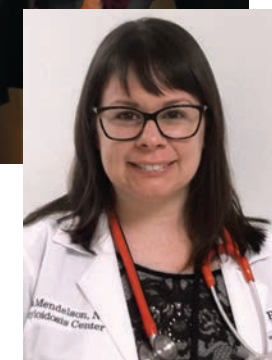
Dr. Sanchorawala, Andrew Roberts, (Patient), and Kathy Finn (past employee) BMC Catwalk 2017



Amyloidosis Center Clinical Trials Team (L-R) Anthony Shelton, RN, Meredith Mistark, RN, Mary Ellen Migre, RN and Ramon Cruz, RN



Yane Martinez (Patient) BMC Catwalk 2017



Lisa Mendelson
Nurse Practitioner



John L. Berk, MD
Assistant Director
Pulmonology



Dr. Deepa Gopal
Cardiology



Dr. Hanni Menn-Josephy
Nephrology

Amyloidosis Center Donor List 2015-2017

The Amyloidosis Center at Boston University School of Medicine is pleased to recognize the generosity of its many donors whose support has assisted us in enhancing and continuing our progress in discovering a cure for amyloidosis. We thank our donors for their ongoing participation and commitment. This donor list recognizes individuals who have made gifts totaling \$250 or more to the Amyloidosis Center between January 2015 and October 2017. We have made every effort to provide a complete and accurate list. We apologize in advance for any errors that may have been made. While space constraints prevent us from listing the names of donors of gifts under \$250, we very sincerely appreciate the support of those many donors.

Individual Donors

\$100,000 and above

Mr. Joseph M. Wikler* and Mrs. Madeline Wikler

\$50,000 - \$99,999

Mr. Melvin R. Berlin and Ms. Randy Lamm Berlin
Mr. Denise S. Katsaros and
Mr. Arthur Thomas Katsaros
Mr. Joshua Solot and Ms. Justine Solot

\$25,000 - \$49,999

The Estate of Richard Atkins
Mr. Robert D. Champion and Mrs. Marjorie Champion
Mr. Samuel Finkielstein and Ms. Gala Finkielstein
Mr. Thomas A. Green, Jr.
Ms. Betsy E. Horen
Sumner Stone, M.D. and Martha Skinner, M.D.

\$10,000 - \$24,999

Matthew K. Beatman, Esq. and
Ms. Debra S. Tobin Beatman
Mr. Juan D. Hernandez Batista and
Ms. Maria A. Tavaréz-De Hernandez
Mr. and Mrs. Clinton W. Josey, Jr.
Mr. John G. Shooshan and Mrs. Marcia Shooshan

\$5,000 - \$9,999

Anonymous
Anonymous
Ms. Calli Beatman
Ms. Ann B. Bennett
Ms. Carol C. Cunningham
Mr. Paul E. Dixon, Jr. and Mrs. Rebecca K. Dixon
Mr. Ray A. Garver and Mrs. Donna L. Garver
Mrs. Dorothy M. Green
Ms. Suzanne Lehmann
Ms. Anne T. Madden
The Estate of Siri J. Markowitz
Ms. Margaret McGrath
Mr. Benjamin A. Newman
Ms. Alyssa Shooshan
The Estate of Barrie Ruth Straus

\$2,500 - \$4,999

Mr. Matthew Andrade and Ms. Ilbret Andrade
Mrs. Marsha R. Asbury
Mr. Abraham I. Bennett*
Scott E. Brown, M.D. and Mrs. Lisa R. Brown
Mr. Frank Citrone, Jr. and Ms. Carol Citrone
Mr. Lance Franczyk and Ms. Jessica Franczyk
Ms. Anne M. Frasca
Mr. Albert Kwok and Ms. Alison Chang
Ms. Sylvia M. LaChapelle
Mr. Terry R. Peel and Mrs. Ann D. Peel
Ms. Sally L. Speer
Mr. Craig J. Stanley and Ms. Carol A. Stanley
Mr. Gary L. Wolf
Ms. Margaret Yelland and Ms. Alba LaFiandra

\$2,000 - \$2,499

Anonymous
Ms. Joan Hadley Craw
Mr. Ken DeBerry
Mr. John R. Evans, Jr.
Harold W. Forbes, M.D. and Ms. Carol S. Forbes
Stephen W. Hildreth, Ph.D.
Mrs. Ruth Ann Homan
Ms. Sandra L. Kirmeyer
Mr. Hamilton Lott, Jr. and Mrs. Barbara H. Lott
Ms. Rebecca A. Massey
Mr. Roger W. Neal and Mrs. Roberta A. Neal
Mr. Robert J. Nozza and Ms. Wilma A. Nozza
Ms. Barbara P. Shineman
Jonathan G. Smith, M.D. and Ms. Megan Smith
Ms. Frankie Anne Tester
Ms. Barbara R. Trotter
Mr. David J. Wallace
Mr. Samuel A. Wineburgh and Ms. Elinn Wineburgh

\$1,500 - \$1,999

Ms. Gari Ann Banks
Mr. George H. Bass and Ms. Barbara E. Bass
Ms. Jacklin Bodaghi
Mr. John W. Carpenter and Ms. Ellen S. Carpenter
Ms. Ineke M. Dikland
Mr. John Garner
Ms. Betty Joanne Gaver
Mrs. Mary D. Kirchner
Mr. Harold J. Kober
Mr. James L. Lerner
Ms. Phoebe S. Markey
Ms. Audrey Morris
Mr. Michael J. Newman and Ms. Suzanne Newman
Mrs. Ann S. Rosenthal
Katherine E. Rowan, Ph.D. and Mr. Robert Baker
Ms. Diane M. Sullivan
Ms. Paula Thompson
Mr. Gene Stewart Tyler

\$1,000 - \$1,499

Ms. Judith S. Berger
Mr. Roderick J. Hancock and Ms. Cynthia L. Berger
Gordon Brody, M.D. and Ms. Lucy Brody
Mr. David C. Campbell
Mr. Sidney Devorsetz and Ms. Suzanne Devorsetz
Mr. George Dolinsky and Ms. Daria Dolinsky
Mr. Michael A. Ewald and Ms. Laurie H. Ewald
Mrs. Holly B. Falzone and Mr. Richard Falzone
Mrs. Karen Fowler
Mr. George H. Gallup
Mr. Ronald C. Gay and Ms. Rose A. Gay
Mr. Lawrence F. Hohl
Mr. Keith A. Hutchinson and Ms. Janel N. Hutchinson
Mr. Thomas M. Hyndman, Jr.
Mr. Joseph Kulas
Ms. Diana Laufer
Lt. Colonel Gary E. Martilla, USAR(Ret.)*
Mr. Sean B. McSweeney and Ms. Patricia M. McSweeney
Ms. Ilona Melstrads
Mrs. Linda M. Monkell
Honorable Kate Rosenthal
Mrs. Ann L. Schafstedde

Ms. Florence Seldin and Mr. Ira L. Seldin
Mr. Ronald Stoloff and Ms. Judi B. Seldin
Mr. James E. Smith and Ms. Karen K. Smith
Mrs. Cathy K. Smith and Mr. William S. Smith
Mr. Robert J. Stenger and Mrs. Cynthia E. Stenger
Ms. Sandra Stewart
Mrs. Susan C. Stoddard
Mr. Joseph P. Terrasi*
Ms. Kathi J. Vandever
Mr. Gregory R. Witter and Mrs. Gina M. Witter
Martin Yarvis, M.D.
Mrs. Marion L. Young

\$500 - \$999

Anonymous
Mr. Richard Aber
Mr. Matthew J. Amerlan and Ms. Erin E. Amerlan
Mr. Helder Assuncao and Mrs. Maria P. Assuncao
Ms. Judith F. Bardack
Mr. Tim C. Bass
Mr. Jacob Berman and Ms. Annika M. Berman
Mr. Florencio Berrios Castrodad
Mr. Albert J. Birmingham
Ms. Shelley A. Blanchard*
Mr. Kip Bodi
Mr. Ronald L. Boucek
Mrs. Janet L. Boyle
Mr. James R. Boynton and Ms. Marylou E. Boynton
Mr. Roger M. Brown and Ms. Karen J. Doswell
Mr. William F. Butterfield
Mr. Robert T. Carbone
Mr. Christopher Clark and Ms. Katherine Cleaver
Mr. Patrick H. Collins
Lawreen H. Connors, Ph.D. and Mr. Michael K. Connors
Mr. Jeffrey G. Cosgrove
Ms. Lorraine M. Curry
Ms. Anne DeCaire
Ms. Carrie Denver
Manishi A. Desai, M.D.
Mr. Timothy F. Desmond and Mrs. Donna M. Desmond
Mr. Wayne L. Dingwell and Ms. Leah E. Dingwell
Mr. John M. Doggett, Jr. and Mrs. Patricia H. Doggett
Mr. Jeffery W. Howe and Ms. Reva M. Dolobowsky
Ms. Teresa Doty
Mr. James Engle and Ms. Robin Engle
Mr. Stephen D. Finkel and Mrs. Muriel Finkel
Reverend John W. Folley and Mrs. Susan H. Folley
Mr. John F. Folley
Mr. Adel T. Foz and Ms. Blanche M. Foz
Mr. Giuseppe Francioni
Mr. Mark S. Freshwater and Ms. Deborah L. Freshwater
Mr. Bryan D. Fry and Ms. Deedra L. Fry
Ms. Alison Gallup
Mr. David Garnett
Casimiro Giampaolo, M.D. and Mrs. Jo Ellen Mistarz
Mr. Mark Gillie
Mr. Jack Gresser
Charles F. Grimes, Esq. and Patricia B. Grimes, Esq.
Mr. George S. Harlem and Mrs. Rosina P. Harlem
Mr. Eliot Heller and Ms. Bridgette Heller
Reverend Norman A. Hjelm
Mr. Jon Hoffman and Ms. Mary Hoffman
Mr. Alexander Hoyle

Hongbing Huang, Ph.D.
Mr. Jack Iliff and Mrs. Sally Iliff
Mr. and Mrs. Leondard Jasko
Mrs. Judith A. Johnson
Ms. Eve M. Kaplan
Mr. C. Monroe Keeney and Mrs. Mary L. Keeney
Mr. David J. Kerness
Mr. David Klimek and Ms. Kimberly Klimek
Mr. Robert P. Kreminski and Ms. Barbara R. Kreminski
Mrs. Enid M. Kublin
Mr. Raymond M. L'Heureux and Mrs. Kathy L'Heureux
Ms. Megan F. Luton
Mr. David M. Maganza
Mr. Gary Moebus
Mr. Thomas R. Newkirk and Ms. Carole Newkirk
Ms. Betty M. Nobel
Ms. Mary E. O'Donnell
Ms. Floris N. Palmer
Mr. Kevin Palmer
Mr. Jordan C. Paul and Mrs. Valerie J. Paul
Mr. Steven J. Pike
Mr. Charles F. Reilly and Mrs. Ronda S. Reilly
Ms. Kelli J. Richardson
Mr. Daniel E. Rodd and Mrs. Debra F. Rodd
Mr. E. Dennis Ross and Mrs. Marian R. Ross
Mr. Steven B. Rupp
Ms. Amy Russo
Ms. Dorinda M. Cosimano and Mr. James R. Schiffer
Mr. Todd E. Schlegel and Ms. Julia J. Schlegel
Mr. Victor C. Schlitzer
Ms. Elizabeth Schwartz
Ms. Barbara Sherman
Mr. Galen J. Smith and Ms. Julia F. Carlson
Ms. Sandra S. Soltis
Ms. Asta Thorn
Mr. John S. Ustas and Ms. Kathy Ustas
Mrs. Judith L. VanZant
Ms. Vivian A. Virden
Mr. Howard Weitzman
Mrs. Judith F. Wellington
Mr. Howard J. Weyers
Mr. William D. Whitney and Ms. Jean Whitney
Mr. David J. Winton
Mr. Stephen F. Wright and Ms. Christine Y. Wright

Mr. Robert J. Coyle

Mr. Stephen A. DeCubellis and Ms. Frances D. DeCubellis
Mr. Edward C. DePhilippis
Ms. Constance B. Dicesare
Mr. Wilfred O. Dockham and Ms. Constance Dockham
Mr. John W. Doherty
Mr. E. L. Dunn and Ms. Carolyn R. Dunn
Mr. Robert F. Efron and Ms. Sharon G. Efron
Guy R. Eigenbrode, Esq. and Ms. Patricia Nicholas
Mr. Edward Englander and Ms. Linda Englander
Mr. Tim Fay and Ms. Karen J. Fay
Mrs. Bernice E. Felix
Dr. Howard Mark Felt
Mr. Eric Folley and Mrs. Mary Folley
Ms. Joanne Fontaine*
Mr. James T. Ford
Mr. James M. Greenwell
Mr. Arthur J. Griffa and Mrs. Barbara H. Griffa
Mr. Jonathan P. Hains
Mr. Hollis E. Harrington, Jr.
Ms. Sheila Heller
Ms. Laura L. Henry
Ms. Heidi M. Hohmann
Elizabeth L. Hohmann, M.D.
Mr. Clement V. Horrigan and Mrs. Helen M. Horrigan
Ms. Sylvia Iliffe
Robert Ingel, Ph.D. and Mrs. Martha L. Ingel
Captain Jean M. Jacques
Mr. Jerome Johnson
Mr. Michael A. Kahn and Mrs. Sharon E. Kahn
Mr. Jay Karkowsky and Mrs. Geraldine Karkowsky
Mark Kimble, Ph.D. and Ms. Kathryn Kimble
Ms. Marie M. Klossner
Mr. D. Knab and Ms. Corrine Knab
Mr. Richard S. Knorr
Ms. Savina Kumar-Dhaliwal
Esther B. Landesman, Ph.D. and
Mr. Yosef Landesman
Mr. Rahamin Levy and Ms. Denise Levy
Ms. Kimberly G. Litherland
Mrs. Luisa Longenberger and
Mr. Henry W. Longenberger
Mr. Anthony M. Lore, Jr. and Ms. Heather A. Lore
Mr. Peter R. Loughlin and Ms. Valerie Loughlin
Ms. Maureen T. Macdonald
Mr. Robert Major and Ms. Michelle L. Major
Ms. Janice D. Martinez
Rosemary Mazanet, M.D., Ph.D. and
Mr. John G. Stoecker, III
Mr. Tim McNally and Ms. Patricia McNally
Ms. Alison Mencer
Mr. John J. Moore
Mr. William C. Mugridge and Ms. Mary C. Mugridge
Mr. Matt Murphy and Ms. Erin Murphy
Mr. Allan Myers
Ms. Tracey Nautel
Mr. Victor E. Nerses and Ms. Carol A. Huber
Ms. Leslie B. Neustadt
Ms. Nancy P. Newkirk
Ms. Dolores C. Nocera
Mr. Dennis C. Norden and Ms. Karen J. Bergan
Mr. Fritz S. Noymer and Mrs. Luciana S. Noymer
Mrs. Constance L. O'Brien
Mr. Forrest W. O'Brien and Ms. Jeanne O'Brien
Mr. Roger S. Orefice and Ms. Frances E. Orefice
Mr. Paul O'Rourke and Ms. Marilyn J. O'Rourke
Mrs. Ronna J. Perlmutter
Tania J. Phillips, M.D. and Jeffrey S. Dover, M.D.
Mrs. Lois G. Poucher and Mr. John S. Poucher
Ms. Kathleen Radway
Mr. Thomas W. Raymond
Ms. Stella Ann Renaker
Mrs. Theron K. Rinehart
Noreen Riordan, Ph.D.
Mr. John E. Ritzert, Jr. and Mrs. Sandra J. Ritzert
Mr. Bruce Rosenberg and Ms. Jane Rosenberg
Mr. Mark C. Rouvalis and Ms. Cynthia J. Rouvalis
Martin Cherniack, M.D. and Ms. Laurie Santos
Mr. Leslie Schlessinger
Mr. Peter S. Schwedock and Ms. Roberta M. Schwedock

Hongian Sha
Richard A. Shapiro, Esq. and Ms. Ruth Shapiro
Ms. Leslie M. Shaw
Mr. Daniel L. Shaw
Ms. Corrine E. Shurte
Mr. Kenneth T. Siloac and Mrs. Sharon A. Siloac
Mr. Harold Silver and Ms. Mary Silver
Ms. Judith Silver
Mr. Michael L. Silverman
Mr. Frederick A. Slack, IV
Mr. Lee R. Slosberg and Mrs. Marion Slosberg
Mr. Brian D. Smith
Ms. Tracey Spruce
Mr. Stephen F. Stettler
Ms. Sharon L. Thomas
Mr. John C. Traylor and Mrs. Suzanne Traylor
Mr. William G. Valenzuela and Ms. Celina Valenzuela
Mr. Victor A. Wallenkampf and
Ms. Janet M. Wallenkampf
Ms. Diane C. Webster
Janice F. Wiesman, M.D.
Mr. Ronald Williamson
Ms. Anneli Wrethling
Ms. Maryann Rosenthal Wyner
Ms. Catherine E. Zadoretzky
Mr. Walter C. Zampella and Mrs. Hildy J. Zampella

* Deceased

Corporations and Foundations

ALNYLAM US, Inc.
Amyloidosis Foundation
Angelo Foundation
E. Rhodes and Leona B. Carpenter Foundation
Bill & Melinda Gates Foundation
Champion Realty, Ltd.
Delaware Community Foundation
EverSource Energy Foundation
Frank Citrone Research Fund
Gardner Business Media, Inc.
iMedia Technology
Jim's Complete Landscaping Service, LLC
JP Electric
Keurig Canada Inc.
Kolar Charitable Foundation of BuckleySandler
MasterCard International, Inc.
Morgan Stanley Global Impact Funding Trust, Inc.
National Philanthropic Trust
Newton Family Fund
Northwestern Mutual Insurance Company
Joseph O'Connor Foundation
Richard S. Shineman Foundation
Stamford Hospital
Technosystems Service Corporation
The Community Foundation for the
National Capital Region
The Irving T. Bush Foundation, Inc.
The WMY Fund
The Women's Group of the Greens, Inc.
Third Generation Enterprises, LLC
United Way of the National Capital Area
Universal Printing Company, LLC
Wildflower Foundation
Zeisler & Zeisler, P.C.

Fundraisers

Bill's Race to Beat Amyloid - Carol Cunningham
Martin Berger Raquetball Tournament
Bob Serino Alumni Association
Calli Beatman Mini Golf Tournament
Fit-To-Be-Tied - Floris Palmer
Kate Shooshan GoFundMe Fundraiser
John Tempest Memorial Golf Tournament
Nassau Wings Motor Cycle Club, Inc., Freddy's Run
The Newton Family Fund
Walk For An Angel Fund

Thank You!

bu.edu/amyloid

11

Amyloidosis

WINTER 2018 | ISSUE 31 | bu.edu/amyloid

Amyloidosis Center

72 East Concord Street, K-503, Boston, MA 02118
P: 617.638.4317 • F: 617.638.4493 • E: amyloid@bmc.org

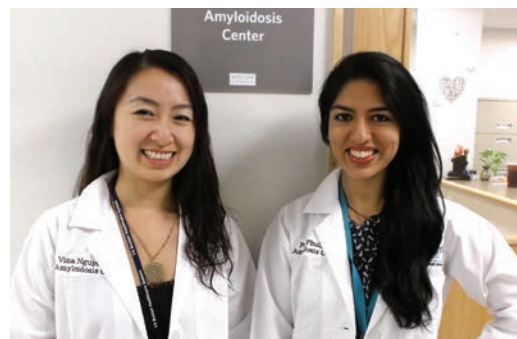
Non-Profit
U.S. Postage
PAID
Boston, MA
Permit No. 1839



*Dr. Lawreen Connors, Director,
Gerry Amyloid Research Laboratory*



*Batbold Boldbaatar, MD,
PhD Candidate*



Drs. Vina Nguyen and Pooja Phull, Internists

bu.edu/amyloid/donate

We hope you will consider a charitable donation and support our research on amyloid diseases, as together we work toward a cure.

Donations can be made through our website or by mail. For more information on bequests and other planned giving options, contact us at the address listed above or by phone 617.638.4317.



Facebook ► [BU Amyloidosis Center](https://www.facebook.com/BUAmyloidosisCenter)

Twitter ► [@Amyloidosis_BU](https://twitter.com/Amyloidosis_BU)



Amyloidosis Center

