SUPPORTING YOUNG SCIENTISTS TODAY
FOR TOMORROW'S BREAKTHROUGH DISCOVERIES

Arnold and Mabel Beckman Foundation
2021 Annual Report

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Our Mission

Dr. Arnold O. Beckman and his wife Mabel established the Foundation to support leading edge research in the fields of chemistry and life sciences, broadly interpreted, and particularly to foster the invention of methods, instruments, and materials that open up new avenues of research and application in those disciplines and related sciences.

On the cover: 2021 Beckman Scholar Anthea Bell is shown dissecting a Mediterranean field cricket (Gryllus bimaculatus) while working in the Horch lab at Bowdoin College. Her project focused on characterizing the Spaetzle protein family in the cricket and investigating Spaetzle’s potential function in central nervous system plasticity. Photo credit: Tabarak Al Musawi
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A Message from the Executive Director

Dear “Beckman Family” and Friends,

This past year has highlighted the pivotal and crucial roles that research and science communication have in shaping public policy. I hope that all of our program awardees see the impact that their passion for science and research can make in our communities. In particular, one of our Beckman Center for Cryo-Electron Microscopy awardees at the University of Washington has been at the forefront of research into the COVID-19 spike protein and vaccine efficacy studies during this pandemic. Congratulations to Dr. David Veesler and his team for their outstanding work and contributions in this area!

We are excited to share updates on several changes we made at the Foundation over the past year, including:

- Updated application and proposal review processes for our Beckman Young Investigator and Arnold O. Beckman Postdoctoral Fellows to be blinded reviews (for both the applicant name and institution) at the Letter of Intent stage in order to reduce bias in our review processes.

- New Learning Resources section posted on our website to highlight the inventions of Dr. Beckman, with middle-school age appropriate lesson plans to explore the underlying innovations and technologies.

- Following another virtual annual Beckman Symposium, we began planning for the return to in-person meetings with a series of Beckman Regional Symposiaum to be held in August 2022 at partner institutions across the country.

In January 2021, we welcomed two new members to our board of directors, Dr. Jane Buchan and Ms. Kristen Monson, who will help to guide our investment committee.

While we celebrate our accomplishments throughout this report, we also grieve the loss of two members of the Beckman Family this past year. In August 2021, Arnold Stone Beckman, the only son of Dr. and Mrs. Beckman, passed away at the age of 84 years old. He is survived by his two children and four grandchildren. In addition, Chef Andy Strader passed away in October 2021. Chef Andy was the head chef at the Beckman Center for 16 years, and his sense of humor and ready smile will be missed at the Center. Our condolences to all families and friends who are mourning a loss from the past year.

While we reflect on this past year, we are also looking forward to 2022 as we continue to adapt to the new normal, learn from all of the challenges we have faced, and embrace all of the positive changes that have resulted from the past two years.
Did You Know?

The Foundation implemented DocuSign, a cloud-based document generator, to collect electronically signed grant award terms. This allows for a quick and efficient contracts process. By utilizing the electronic “envelopes” and secure eSignature features, it also greatly reduces the use of paper, which in turn reduces overall water usage and carbon footprint.

2020 & 2021 At-A-Glance

*Foundation’s Environmental Savings with DocuSign*

- 375 lb of wood
- 1,105 gal of water
- 881 lb of carbon
- 61 lb of waste

Image from: https://app.docusign.com/reports/overview
Beau Alward, PhD
2021 Beckman Young Investigator
Received the R35 Early Stage Investigator MIRA from the NIGMS (National Institute of General Medical Sciences). The grant, worth $1.9M (including indirect costs) over five years, will support work investigating the hormonal, genetic, and neural basis of social behavior in A. burtoni.

Brad Zuchero, PhD
2019 Beckman Young Investigator
Received NINDS-funded R01 Grant. The $1.8M grant will fund his project for five years. In addition, Zuchero received the Koret Early Career Award.

Roxanne Beltran, PhD & Robert Gilliard, Jr., PhD
2021 Beckman Young Investigators
Recipients of the 2021 Packard Fellowships in Science and Engineering recently announced by The David and Lucile Packard Foundation. They will each receive $875,000 over five years to pursue their research.

Sarah King, PhD
2019 Beckman Young Investigator
Received DOE Early Career Award. This University-based research grant of $150K/yr. is distributed over five years and will cover salary and research expenses.

Dipti Nayak, PhD
2020 Beckman Young Investigator
Received 2021 Shurl and Kay Curci Foundation Grant. The award of $128,847/yr. is distributed over two years. Nayak received 2021 Simons Early Career Investigator in Marine Microbial Ecology & Evolution Award, a $222,000 grant over three years.
Awardee Highlights—cont’d.

Sita Chandrasekaran
2017 Beckman Scholar
Received the 2021 Paul and Daisy Soros Fellowship for New Americans. The $90,000 Fellowship will support Sita’s work towards a PhD in bioengineering at the University of California, Berkeley and the University of California, San Francisco.

Geeta Narlikar, PhD & Wilfred A. van der Donk, PhD
2006 & 1999 Beckman Young Investigators
Elected as 2021 Members of NAS.

Megan Jackson, PhD
2020 AOB Postdoctoral Fellow
Received an Early Career Invited Lecture Award from the University of British Columbia.

Leslie Schoop, PhD & Ashleigh Theberge, PhD & Steven Townsend, PhD
2019 & 2018 Beckman Young Investigators & BSP Mentor
Named 2021 Sloan Research Fellows by the Alfred P. Sloan Foundation.

Jasmine Esparza
2019 Beckman Scholar
Awarded NIH T32 Molecular & Cellular Biology Training Grant.

James Gaynor, PhD
2020 AOB Postdoctoral Fellow
Selected for 2021 ACS Physical Chemistry Young Investigator Award.
I. Foundation Leadership

“Hire the best people and then get out of their way.” - Dr. Beckman

We’re grateful to the team of individuals who dedicate themselves to the success of the Arnold and Mabel Beckman Foundation, including:

Board of Directors

Dr. Jane Buchan, PhD
Mrs. Jacqueline Dorrance-Tomlinson (Secretary)
Mr. Jon Fosheim
Dr. Jeffrey Johnston, PhD (Vice-Chair)
Dr. Lawrence Kline, MD
Dr. Andrew Lyon, PhD
Ms. Kristen Monson
Mr. Steven Pizula
Mrs. Lynn Rahn (Treasurer)
Mr. Peter Simon
Mr. Gary Wescombe (Chair)
Dr. Deborah Wuttke, PhD
The Foundation’s Program Executive Committees are instrumental in leading the proposal review committees, developing final award recommendations, and conducting annual assessments of the program requirements. Our special thanks to the 2021 Executive Committee members:

**Foundation Staff**
Ms. Catrina Bryant, BA
Ms. Jackie Chamberlin, CPA, MBA, MBT
Ms. Esther Devanney, BS
Mrs. Tiana Godges, BA
Dr. Anne Hultgren, PhD
Ms. Elizabeth Koppe, BA
Mrs. Nicole Patras, BA
Ms. Kaerie Ray, MBA

**Scientific Advisory Council**
Dr. Annaliese Franz, PhD
Dr. Kent Hill, PhD
Dr. Philip LeDuc, PhD
Dr. Anne McNeil, PhD
Dr. Karl Mueller, PhD (co-Chair)
Dr. Kim Orth, PhD
Dr. Jason Shear, PhD (co-Chair)

**BYI Executive Committee**
Prof. Susana Cohen-Cory, PhD
Prof. Shiv Halasyamani, PhD
Prof. Ke Hu, PhD
Prof. Vassiliy Lubchenko, PhD

**BSP Executive Committee**
Prof. Tom Gilmore, PhD
Prof. Laura Hunsicker-Wang, PhD
Prof. Carol Parish, PhD
Prof. Margaret Saha, PhD

**AOB Postdoctoral Fellows Executive Committee**
Prof. Carolyn Anderson, PhD
Prof. David Forbes, PhD
Prof. Philip LeDuc, PhD
Prof. Jill Millstone, PhD

**OC Beckman Legacy Executive Committee**
Dr. Noreen Galvin, PhD
Prof. Brian Goess, PhD
Dr. Peter Nemes, PhD
Dr. Christina Stallings, PhD
II. Beckman Young Investigator Program

The Beckman Young Investigator (BYI) Program provides four years of research support amounting to $600,000 to promising young faculty members in the early stages of their academic careers in the chemical and life sciences, broadly defined, who have not yet received a major award from another organization.

Projects must be truly innovative, high-risk, and show promise for contributing to significant advances in chemistry and the life sciences, with preference to those that foster the invention of methods, instruments and materials that will open new avenues of research in science.

2021 BYI National Recognition:

DOE Career Award
Sarah King
Packard Fellowship
Roxanne Beltran, Robert Gilliard
NIH New Innovator

2021 BYI Program Stats:

300+ Applicants
11 Researchers Selected for Awards, Representing 10 Institutions
2021 Beckman Young Investigator Awardees

Beau Alward, PhD
University of Houston *2017 AOB Postdoctoral Fellow

Margaret Byron, PhD
Pennsylvania State University

Roxanne Beltran, PhD
University of California, Santa Cruz
“A novel acoustic recorder for eavesdropping on the ocean soundscape”

Katherine Davis, PhD
Emory University *2015 AOB Postdoctoral Fellow

Brett McGuire, PhD
Massachusetts Institute of Technology

Nicolas Pégard, PhD
University of North Carolina, Chapel Hill

Tania Lupoli, PhD
New York University *2004 Beckman Scholar
“Tuning glycosyltransferases to design synthetic bacterial cell surfaces”

Alison Wendlandt, PhD
Massachusetts Institute of Technology

Robert Gilliard, Jr., PhD
University of Virginia
“Coordination Chemistry Approaches to the Design of Thermochromic and Thermoluminescent Materials”

Balyn Zaro, PhD
University of California, San Francisco

Yingjie Zhang, PhD
University of Illinois, Urbana Champaign
“3D Atomic Scale Spectromicroscopy of Liquid-Solid Interfaces”
III. Arnold O. Beckman Postdoctoral Fellows

The Arnold O. Beckman Postdoctoral Fellows Award Program supports first and second year postdoctoral fellows at research institutions who are judged to have the highest potential for success in a career in chemistry, and who will become the next generation of leaders and innovators in science, engineering, and technology.

The program awards $180,000 over two years for salary, fringe benefits, and research expenditures; instrumentation fellowships will receive additional one-time $100,000 for materialdevelopment costs.

2021 Postdoc Program Stats:

- 70 Applicants
- 13 Researchers Selected for Awards
- 10 Institutions Represented
- $1.5 Million in Funding for ‘19 -’21 Awardees
2021 Arnold O. Beckman Postdoctoral Fellows

Alexa Kuenstler, PhD
University of Colorado, Boulder

Chung-Jui Yu, PhD
University of California, San Diego

Colin Gould, PhD
Princeton University

Lilia Xie, PhD
University of California, Berkeley
“Two-Dimensional Magnets from Lanthanide Intercalation Compounds”

Elizabeth McLoughlin, PhD
Princeton University

Kurtis Carsch, PhD
University of California, Berkeley

Lesli Mark, PhD
University of Wisconsin, Madison

Thomas Osborn Popp, PhD
Rutgers, University of New Jersey

Robert Alperstein, PhD
University of California, San Francisco

Robert Warburton, PhD
Yale University

Joshua Laffoon, PhD
University of Michigan
“Accessing a Long-Lifetime 3 V Redox Flow Battery through Mechanistically Guided Rational Design of Redox Active Species”
Above: 2021 Beckman Scholar Christina McBride helped to develop and run a “BioArt” reciprocal outreach program as part of her research. Some soil bacteria have the special ability to make colorful antibiotic molecules, which Lou Charkoudian’s lab at Haverford College used to create biological art and demystify science for a wide audience of learners (some of whom helped create the art in this collage!). Photo Credit: Christina McBride

IV. Beckman Scholars Program

The Beckman Scholars Program provides an in-depth, sustained research experience for exceptional undergraduate students in chemistry, biological sciences, or interdisciplinary combinations thereof. The program’s award of $26,000 for a student and mentor team over 15 continuous months of research, in conjunction with the Annual Beckman Symposium, offers an academically stimulating and unique educational experience.

The award spans three years and four to six student/mentor pairs are named per institution; applications by invitation only.

BSP National Recognition in 2021:

2021 Goldwater Scholars: Anton Barybin, Lauren Davis, Emma Kocik, Fenton Lawler, Anna McTigue, Nicholas Pancheri, Ryan Rahman, Jonah Stiel, Julia Vidlak, Lucy Yang

2021 Astronaut Scholars: Lauren Davis, Hope Kirby, Ryan Rahman, Jonah Stiel

2021 BSP Program Stats:
12 Institutions Selected for 2021 Awards
58 Scholar/Mentor Teams began their Research Projects
$1.5+ Million in Funding for ‘19-’21 Awardees
2021 Beckman Scholars

Benjamin S. Ahn
University of Southern California

Jacob Al-Husseini
Pomona College

Berenice Almaguer
California State University, San Marcos
“Examining the Relationship Between Epidermal Gamma Delta T Cells and Neuropeptide Y”

Jackie Arnold
West Virginia University

Veda Balaji
Georgia State University

Ella Basler
Santa Clara University

Anthea L. Bell
Bowdoin College

Riya Bhanushali
Georgia Institute of Technology

Connor H. Bowerman
Texas A&M University

Kalyn Cayne
Pennsylvania State University

Austin Chiles
Whitman College

Mia Chung
Tufts University

Harry Dang
University of Richmond

Claire Dopp
University of Kansas

Naya Burrow
College of William & Mary
“Preparation of Multivalent Bioconjugates Employing Unnatural Amino Acids”

2021 Awardee Institutions
California State University, San Marcos
Chapman University
College of William & Mary
Furman University
Georgia State University
Haverford College
Hope College
North Carolina State University
Texas A&M University
University of Southern California
Virginia Polytechnic Institute
Wellesley College
2021 Beckman Scholars—continued

Ian Fleming
University of Colorado, Boulder

Zoe Gardner
Smith College

Cesiah C. Gomez
Wellesley College

Frank Hu
Carnegie Mellon University
“Building a Machine Learned Density Functional Tight Binding Model for Catalyst Optimization”

Arabella Hunter
Clemson University

Abigail Jones
West Virginia University

Rachel E. Jones
University of Utah

Lydia Kenney
Georgia Institute of Technology

Laney Kimble
North Carolina State University

Emma Kocik
Chapman University

Seth Kodikara
North Carolina State University

Sophia Korotev
University of Chicago

Corine M. LaFrenier
Hope College

Sabria M. Lataillade
Georgia State University
“Uncovering Biomarkers that Underlie Disease Aggressiveness in Quadruple-negative Breast Cancer”

Fenton Lawler
Calvin University

Sawyer J. Lazar
University of Southern California

Jasper Lim-Goyette
Colgate University

Tara N. Lowensohn
Tufts University

Georgia Mantel
Miami University

Christina M. McBride
Haverford College

Andrew C. McHorse
Furman University
2021 Beckman Scholars—continued

Cassell N. McMillian
Virginia Polytechnic Institute

Kayla Molison
University of Colorado, Boulder

Peyton Moore
Pennsylvania State University

Emily R. Moran
James Madison University

Daniela M. Moreira
Haverford College

Sarah Noga
University of Kansas

Emily Y. Pan
Bowdoin College

Justin Quan
University of California, Los Angeles

John Riley
University of Chicago

Devin Simbol
San Francisco State University

“Exploring Prostate Cancer Selective Cytotoxic Secondary Metabolites Produced by the Marine Sediment-derived Streptomyces sp. CP59-55”

Miriam C. Stein
Texas A&M University

Aidan Sturgill
Miami University

Erica Svendahl
Santa Clara University

“Plant Proteomics”

Lucy Utz
James Madison University

Samantha Vi-Tang
University of California, Los Angeles

Madison Wagner
California State University, San Marcos

Anna L. Watson
Carnegie Mellon University

Ashley Welch
San Francisco State University

Rebecca Wu
University of Virginia

Katarina Yacuk
University of Connecticut

Lucy Yang
University of California, Irvine
V. Instrumentation Grants

Investing in innovative instrumentation carries forward Dr. Beckman’s legacy in developing research instruments and underscores the Foundation’s mission of supporting research breakthroughs in chemistry and the life sciences.

In 2016, the Foundation funded five grants of $2.5M each that could be used for purchase costs of new Cryo-EM instrumentation, support for a junior faculty hire in structural biology, and additional operational expenses.

In November 2019, The Beckman Foundation launched the instrumentation grant for Advanced Light-Sheet Microscopy and Data Science to provide support of up to $1.2 million per site for the acquisition of instrumentation, cost of proposed research programs, and establishing robust teams for data science collaboration.

The latest program was announced in January 2021 for novel sample preparation technologies using guided Focused Ion Beam (FIB) milling of cellular samples, such that the cellular interiors would be accessible to high-resolution cryo-electron tomography (Cryo-ET) imaging. This breakthrough technology enables high-resolution 3-D structure determination for organelles and proteins in their natural environments.

<table>
<thead>
<tr>
<th>2017: Cryo-EM Centers</th>
<th>5 awards, $2.5M each</th>
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<tbody>
<tr>
<td>2019: Light-Sheet Microscopy and Data Science</td>
<td>8 awards, $1.5M each</td>
</tr>
<tr>
<td>2021: FIB-Milling Sample Prep for Cellular Cryo-ET</td>
<td>7 awards, $1.2M each</td>
</tr>
</tbody>
</table>
2021 FIB-Milling for Cryo-ET Awardees

James Berger, PhD
Johns Hopkins University

Yi-Wei Chang, PhD
University of Pennsylvania

Songi Han, PhD
University of California, Santa Barbara

Chris Hill, PhD
University of Utah

Steven Ludke, PhD
Baylor College of Medicine

Melanie Ohi, PhD
University of Michigan

Daniel Southworth, PhD
University of California, San Francisco
VI. OC Beckman Legacy Awardees

The Arnold and Mabel Beckman Foundation is proud to announce the completion of the second year of the Orange County Beckman Legacy Award.

High school seniors worked with a science teacher mentor at their school to complete a spectrophotometer build, inspired by the revolutionary tools of Dr. Arnold O. Beckman, conduct lab work, create their own unique experiment, and answer reflection questions. Submitted projects were evaluated by the Foundation using a panel of outside experts.

2021 Program Highlights:

- The 2021 program was completed remotely, during distance learning.
- Applications for review were blinded.
- Awardees received from $8,000 to $16,000 college scholarships.

2021 Legacy Program Stats:

19 Applicants
6 Students Selected for Awards
6 High Schools Represented
$72,000 in Funding for ’21 Awardees

Above: Color-band light spectrum of black tea captured with a bent diffraction grating. Image credit: Elizabeth Koppe
2021 Orange County Beckman Legacy Awardees

Lawrence Chen, First Place
Northwood High School, currently attending University of California, Berkeley
“Comparing folate concentration of legumes”

Shuangyue (Angela) Li, First Place
Northwood High School, currently attending University of California, Berkeley
“Comparing almond concentration across almond-milks”

Grace Jones, Second Place
Woodbridge High School, currently attending Vanderbilt University
“Effect of concentrations of sodium nitrite and sodium benzoate on beta-fructofuranosidase”

Ashley Kao, Second Place
University High School, currently attending University of California, Berkeley
“Concentration of additional fruit juices in brands marketing a single fruit juice”

Mahdi Ayman, Third Place
Woodbridge High School, currently attending University of California, Santa Barbara
“Assessing the relationship between fat and protein in milk”

Tara Nguyen, Third Place
University High School, currently attending University of California, Davis
“Effects of brown sugar and white sugar in drinks with high sugar content”
The Foundation is proud to support innovative STEM and STEAM activities in the local community we call home, including:

**Beckman Arts & Science Family Day**
Festival-style science entertainment at Segerstrom Center for the Arts

**Chapman University Foundation**
Support for the Keck Center for Science and Technology

**Crystal Cove Conservancy**
Development of K-2 field trip curriculum

**Irvine Public Schools Foundation**
CubeSat high school program launching satellites into space

**Kids@Science**
Local Orange County STEM teacher training initiative and science kits

**MIND Research Institute**
Curriculum development for ST Math Core

**OC Science and Engineering Fair**
Special awards and support

Above: Crystal Cove Conservancy’s curriculum engages students in investigating the seen and unseen effects of plastic pollution on the coast. Together with their classmates, students work to develop solutions that reduce its impact. Image: Crystal Cove Conservancy.

VII. Local Community Support
Left column (top down): The OC Science and Engineering Fair educates, guides, and motivates students to engage in project-based learning in all fields of science, technology, engineering and mathematics. Image: OC Science and Engineering Fair. Kids@Science supports local Orange County teachers by providing them with professional development in STEM, opportunities to network with science advocates, and hands-on science kits for their classrooms. Image: Kids@Science.

Right column (top down): Students gain familiarity with Crystal Cove State Park, exploring natural spaces through video and virtual field trips, and working alongside scientists and researchers to collect data from sandy beaches within the park. Image: Crystal Cove Conservancy. MIND Research Institute is on a mission “to help kids truly love math” with its ST Math fun and intuitive instruction program. Image: MIND Research Institute.
The annual Beckman Symposium brings together the nearly 300 grantees from our programs and Foundation leadership, including members of the Board of Directors, Scientific Advisory Council, Executive Committees, and Beckman Institutes.

The 3-day event* features researchers from varied backgrounds, career stages, disciplines and institutions sharing their latest research findings in the form of oral and poster presentations, networking during group meals, and participating in career guidance workshops led by invited experts.

After the scientific sessions conclude, the participants typically relax with colleagues and enjoy a competitive trivia game.

2021 Beckman Symposium
*To protect the health and safety of all guests during COVID-19, the 2021 Beckman Symposium was held as a virtual event that featured:

- 11 Live Sessions
- 24 On-demand Presentations
- 119 Research Posters
- 9 Zoom Activities
First row (from top): Kelley Healey, PhD presented during Career Trajectory Talks.

Second row: Attendees participated in Zoom breakout sessions (l). Sharon L. Neal, PhD kicked-off a celebration of 30 years of Beckman Young Investigators (r).

Third row: Steven D. Townsend, PhD offered tips on “How to Perfect a Scientific Abstract.”

Fourth row: Annaliese Franz, PhD delivered part two of “How to Get the Right Postdoc Position” and emphasized the positive impact of a good mentor.
IX. Beckman Institutes and Centers

In 1978, Dr. and Mrs. Beckman began their philanthropic giving by founding five basic science research institutes and centers at leading universities that had been influential in their own lives. Each of the research Institutes and Centers have a mission to promote novel interdisciplinary science programs, and provide access to leading instrumentation facilities. In addition to the research Institutes, Dr. and Mrs. Beckman also established the Beckman Center of the National Academies as the west coast headquarters for National Academy activities and scientific conferences.

The Beckman Foundation continues the commitment to these Institutes and Centers through an annual Director’s Fund grant, which may be used at the sole discretion of the Directors.

Dr. Jeffrey Moore, Director
Beckman Institute at University of Illinois, Urbana-Champaign, 2017-2022
Beckman Research Institute at Caltech

Director: Dr. Marianne Bronner
Pasadena, CA

Beckman Institute for Advanced Science and Technology at the University of Illinois, Urbana-Champaign

Director: Dr. Jeffrey Moore
Urbana, IL

Beckman Research Institute at City of Hope

Director: Dr. Steven Rosen
Duarte, CA

Beckman Laser Institute & Medical Clinic at University of California, Irvine

Director: Dr. Matthew Brenner
Irvine, CA

Beckman Center for Molecular & Genetic Medicine at Stanford University

Director: Dr. Lucy Shapiro
Stanford, CA
X. Beckman Speaker & Conference Support

The Arnold and Mabel Beckman Foundation Speaker and Conference Support Program is open to all current Foundation grant awardees, specifically from the BSP, AOB Postdoc, BYI, or Beckman-Argyros Vision Research programs. Current Beckman awardees organizing or hosting a seminar of conference at their institution can invite a member of the Beckman Family to be a speaker and submit an application to this program for funding up to $3,000 per request, in support of, but not limited to: Speaker travel, room rental fees, reception costs, food, beverages, printed materials, etc.

The Foundation chooses a limited number of Speaker and Conference events based on their relevance to the mission of the program and Foundation as a whole, campus, scientific and community impact, and the scope of appeal of the event.

In 2021, Speaker and Conference support was provided to:

Mr. Austin Chiles
Whitman College
XI. Financial Report

The Foundation’s endowment net assets increased by $128 million in 2021, largely as a result of the gains in the investment market. With this large increase, the Foundation reviewed its overall portfolio allocation plan and specifically the private equity Pacing Model and increased its commitments in this sector to meet allocation policy. The Foundation also increased its budgeted grant spending for FY22 by $6 million, primarily on additional program awardees and instrumentation awards in both the Advanced Light-Sheet Microscopy and FIB-Milling for Cellular CryoET Programs, and increased projected spending for future years.

Fiscal Year Financial Highlights:
(Sept. ‘20-Aug. ‘21)

Total expenses and disbursements:
$36,606,000

After our expenses, investment income, and accruals, the increase in net assets was $128,005,000.