SUPPORTING ASHP MEMBERS

EVERY STEP OF THE WAY

2022-2023 Impact Report
A Note From ASHP Foundation Leaders

When we speak to donors about why they give to the ASHP Foundation, the answer we hear the most is, “Because ASHP has been there for me throughout my career.” Indeed, from supporting pharmacy students through programs like the ASHP Student Leadership Awards to recognizing a lifetime of impactful research, the ASHP Foundation is dedicated to helping ASHP members across all stages of their careers.

We are here at the beginning
- In FY2023, we added our new Pharmacist Nutrition Support Patient-Care Impact Program to our array of resident training programs and resources. The program’s goal is to develop leaders with knowledge and skills to optimize the safe and effective nutritional support needs of patients.
- The Foundation awarded seven new Pharmacy Resident Research Grants, a program with a proven record of opening doors for new pharmacist researchers.

We are here for researchers and clinicians
- To encourage stewardship efforts to monitor and improve the care of patients, the Foundation created two Medication-Use Evaluation (MUE) Resource Guides, each with a companion webinar discussing strategies for implementing a thorough MUE.
- As part of our Radio Frequency Identification (RFID) research initiative supported by Fresenius Kabi, we awarded research funds to two projects exploring ways RFID technology can streamline pharmacy processes and enhance patient safety and produced two podcasts.

We are here to support a more diverse and equitable pharmacy workforce and healthcare system
- The Foundation understands that it is vital to create and foster a diverse community of pharmacists and pharmacy leaders and to help address racial and ethnic disparities in healthcare. Due to the urgency in tackling these challenges, the Foundation placed diversity, equity, and inclusion (DEI) at the center of our recently updated Strategic Direction.
- At the 2022 ASHP Midyear Clinical Meeting & Exhibition, ASHP President Paul C. Walker announced the creation of the ASHP Foundation Pharmacy Student Scholarship, which will support pharmacy students from historically underrepresented groups seeking to join the pharmacy workforce.

The Foundation can only be there for ASHP members with your generous support
With your help, we can fund innovative research, and invest in students, residents, and leadership initiatives that will provide a strong pharmacy workforce for the future, and fund initiatives that support DEI goals.

Thank you for your support of the ASHP Foundation

Kelly M. Smith
Chair
ASHP Foundation Board of Directors

Steven A. Rubloff
Chief Executive Officer
Together, We Make an Impact!

**SUPPORTING RESEARCH**

$6 Million invested in research to advance practice and improve medication safety since 2004.

40+ news outlets have highlighted the ASHP Foundation Pharmacy Forecast Report since 2017.

$100,000+ in funds to the American Foundation for Pharmaceutical Education (AFPE) for the ASHP-AFPE Pre-Doctoral Fellowship since 2008.

$500,000+ in research funding over the past fiscal year.

**RECOGNIZING EXCELLENCE**

800+ authors recognized by the prestigious ASHP Foundation Literature Awards since 1971.

50+ Pharmacy Residency Excellence Awards awarded since 2006.

$400,000 granted to ASHP for the Clinical Skills Competition.

$300,000 granted to ASHP for the Student Leadership Awards since 2009.

**COMMITTED TO DIVERSITY**

$40,000 in research grant funding to a new cohort of Pharmacy Leadership Scholars DEI-focused research projects.

$25,000 in new scholarships awarded to support pharmacy students enrolled at Historically Black Colleges and Universities.

$75,000 awarded to study deprescribing processes in a diverse community-based palliative care program through the Collaborative Care Grant for Nurses and Pharmacists.

**INVESTING IN LEADERSHIP DEVELOPMENT**

1,178 Pharmacy leaders in the Pharmacy Leadership Academy’s global network of graduates.

200+ residency program visits by pharmacy leaders through the Visiting Leaders Program.

$3.6 Million awarded in Pharmacy Residency Expansion Grants to create 108 new residency positions since 2011.
Pharmacy Forecast Assists in Strategic Planning

ASHP FOUNDATION PHARMACY FORECAST™

Supported by a donation from Omnicell to the ASHP Foundation David A. Zilz Leaders for the Future Fund

The Pharmacy Forecast™ is a must-read resource and an essential strategic planning tool that provides perspectives and insights into emerging trends that impact the practice of pharmacy and the health of patients.

EXPANDED USE OF AI IN 2023

The 2023 report is based on a survey of pharmacy leaders, who agreed that health systems and their pharmacy enterprises will expand the use of artificial intelligence (AI), providing more opportunities to optimize patient care and care delivery with algorithms supporting many routine tasks. Thus, pharmacists will have opportunities to focus on more complex challenges such as pharmacogenomic-guided medication use, hospital-at-home, and telehealth.

CHRISTENE JOLOWSKY, BSPHARM, MS, FASHP, FMSHP
SENIOR PHARMACY DIRECTOR | HENNEPIN HEALTHCARE SYSTEM
TREASURER | ASHP AND ASHP FOUNDATION BOARDS OF DIRECTORS

“"The Pharmacy Forecast is a primary resource for our pharmacy leadership course. It offers key insights into emerging trends, healthcare policies, and technological advancements shaping the field. By engaging with this report, students gain a comprehensive understanding of the industry landscape and external forces impacting healthcare. The students participate in discussions about drivers impacting a dynamic healthcare environment (and their futures!), which helps develop their strategic thinking skills.""
Resource Guides Support Performance Improvement Efforts

MEDICATION-USE EVALUATION RESOURCES

In 2021, ASHP published Guidelines for Conducting Medication-Use Evaluations (MUE), which “establish a process for identifying and completing an MUE while incorporating the roles and responsibilities of the interdisciplinary team.”

To support practitioners in the planning and execution of an MUE, the Foundation created two MUE resource guides, each with an accompanying webinar, that provide a framework for conducting an MUE and can be adapted to apply to other medications and clinical scenarios.

Andexanet Alfa in the Management of Life-Threatening Bleeds in Patients on Direct Factor Xa-Inhibitors | Supported by Alexion

Treatment of Skin and Soft Tissue Infections in the Emergency Department: Evaluating Omadacycline Use | Supported by Paratek

ACCESS NOW

ACCESS NOW
Team-Based Care Expands Access

COLLABORATIVE CARE GRANT FOR NURSES AND PHARMACISTS

The Collaborative Care Grant for Nurses and Pharmacists aims to stimulate patient-centered interprofessional health services research that demonstrates meaningful outcomes.

2023 GRANTEEES

Implementation of a Standardized Patient-Centered, Team-Based Deprescribing Assessment Within Community-Based Palliative Care Program: A Feasibility Study

KATHRYN A. WALKER, PHARMD, BCPS, FAAHPM
CHRISTINE MARIE HALLMAN, DNP, APRN, ACHPN, NP-C
MEDSTAR HEALTH AND THE UNIVERSITY OF MARYLAND SCHOOL OF PHARMACY

“This study seeks to implement a standardized, patient-centered, team-based deprescribing process in our diverse community-based palliative care PATCH (Palliative Telehealth Connecting to Home) Program to ensure all patients can benefit from careful medication alignment to their goals of care.”

THANKS TO YOUR SUPPORT...

2022 grantees James C. Coons, PharmD, FACC, FCCP, BCCP, and Jennifer Kliner, CRNP, ACNP-BC, recently published the results of their funded project in the American Journal of Cardiology.

Impact of a Medication Optimization Clinic on Heart Failure Hospitalizations found that patients with heart failure with reduced ejection fraction (HFrEF) who are referred to a medication optimization clinic (MOC) and managed by a nurse practitioner or physician assistant, clinical pharmacist, and cardiologist working as a team saw a lower risk of heart failure hospitalizations than patients who received usual care.
Enhancing Efficiency Through Radio Frequency Identification Technology

Supported by Fresenius Kabi

Radio frequency identification (RFID) technology is gaining momentum for use within healthcare and pharmacy. RFID provides an effective way to record and track medications through a health system. To spur the acceptance of RFID technology in pharmacy, the ASHP Foundation teamed up with Fresenius Kabi on a multi-pronged initiative to create awareness of RFID and its potential.

The Enhancing Adoption of Radio Frequency Identification Technology Grant Program is the second phase of the ASHP Foundation's RFID initiative and seeks to enhance the diffusion and adoption of RFID technology in medication use systems.

The grant program was designed based on research completed in the initiative’s first phase, which delved into and raised awareness of current trends, process and system opportunities/challenges, and expected outcomes. Research findings were released in the Foundation’s report: Focus on Radio Frequency Identification Technology and were discussed in subsequent webinars and podcasts.

**RESEARCH GRANT**

Expansion, Evaluation, and Comparison of Radio-Frequency Identification and Bluetooth Low Energy Technology Tracking systems for Optimization of Pharmacy Crash Cart Operations

AMANDA BECK, PHARMD
HOUSTON METHODIST HOSPITAL

Operational Impacts of Multimodal RFID Technology Implementation

JONATHAN HWANG, PHARMD, BCPS
UNIVERSITY OF CALIFORNIA, DAVIS HEALTH

**REPORT AND PODCASTS**

The grant program was designed based on research completed in the initiative’s first phase, which delved into and raised awareness of current trends, process and system opportunities/challenges, and expected outcomes. Research findings were released in the Foundation’s report: Focus on Radio Frequency Identification Technology and were discussed in subsequent webinars and podcasts.

**LEARN MORE**
The Pharmacy Resident Research Grant program supports quality health services research aligned with the Foundation’s research agenda and conducted by pharmacy residents. These funds often serve as a researcher’s first grant and ushered many pharmacists into research as a career.

**2023 GRANTEE SPOTLIGHT**

**ISABEL BONARRIGO-BURTON, PHARMD**
**LIMA MEMORIAL HOSPITAL**

“Previous data shows pharmacist involvement in both ambulatory care and oncology settings improves patient outcomes and results in patient satisfaction. Research has also shown that patients in rural areas experience greater barriers to care, often related to distance to treatment. The purpose of this study is to establish a pharmacist-managed, primarily telemedicine, rural, outpatient oral chemotherapy program for patients treated at Lima Memorial Health System and evaluate the impact pharmacists have on patient treatment, as well as patient and provider satisfaction.”

**SAFIYA NAIDJATE, PHARMD, BCACP, CDCES**
**RECIPIENT 2017**

“Comparative Effectiveness of Pharmacist Care Delivery Models for Hepatitis C Clinics

“Comparative Effectiveness of Pharmacist Care Delivery Models for Hepatitis C Clinics.”

“This study examined the effectiveness of two distinct pharmacist-involved care delivery models within a single health system. We determined that both clinical models, with varying degrees of pharmacist involvement, were reasonable models for providing hepatitis C care. Funding from the ASHP Foundation supported the education and involvement of pharmacists in programming organized by the American Association for the Study of Liver Diseases (AASLD) and Digestive Disease Week, both of which are traditionally physician-dominated, which subsequently led to the growth of pharmacist involvement in our health system’s gastroenterology clinics during a time in which pharmacist involvement in gastroenterology was still emerging nationwide. Fortunately, through the support we received from the ASHP Foundation, we were able to use this work to further support a separate study, which examined age as a factor in achieving a hepatitis C cure. This study was published in the *Rhode Island Medical Journal, AJHP*, and has been cited by organizations such as RI Defeats Hep C, a prominent hepatitis C advocacy group in Rhode Island.”
Pharmacy Leadership Academy Graduates Influence Practice Across the World

PHARMACY LEADERSHIP ACADEMY® | Supported by an educational grant from Apexus

The ASHP Foundation’s Pharmacy Leadership Academy® (PLA) is one of the profession’s top leadership development programs designed for emerging and experienced leaders. The Academy’s stellar faculty of experienced pharmacy leaders engage participants with contemporary readings, individual and group exercises, and other learning activities to enhance their skills in key areas, including team dynamics, leadership influence, and the “business of pharmacy” during this year-long distance learning program.

INDRANI KAR, PHARMD, DPLA

ASHP TV caught up with recent Pharmacy Leadership Academy graduate Indrani Kar at the 2022 ASHP Midyear Clinical Meeting & Exhibition, where she discussed her experience in the program.

LEARN MORE
Expanding Access to Residency Training

PHARMACY RESIDENCY EXPANSION GRANTS | Supported by Merck

Expanding residency opportunities for pharmacists is a top priority for ASHP, as residency training provides pharmacists with the specialized expertise required to enhance direct patient care. In answer to this call from ASHP, the ASHP Foundation offers the Pharmacy Residency Expansion Grant Program. In 2023, the ASHP Foundation awarded three $25,000 grants to assist institutions in adding a new residency position.

2023 GRANTEE SPOTLIGHT

MCLEAN HOSPITAL AND MASSACHUSETTS GENERAL HOSPITAL

Postgraduate Year Two Psychiatric Pharmacy Residency Program

Residency Program Director: Lauren Stummer, PharmD
Director of Pharmacy: Victoria Vargas, PharmD

According to the 2023 Pharmacy Forecast, 79% of the survey respondents agreed that the “demand for pharmacists with advanced training in mental health will likely increase over the next five years."

Recognizing the need for pharmacists in the mental health workforce, the ASHP Foundation is proud to award a Pharmacy Residency Expansion Grant to McLean Hospital and Massachusetts General Hospital. This is the first time a psychiatric pharmacy residency program has received this grant.

2023 Grantee

HOUSTON METHODIST HOSPITAL

Postgraduate Year Two Oncology Residency Program
Residency Program Director: Cynthia El Rahi, PharmD
Director of Pharmacy: Alex Varkey, PharmD

2023 Grantee

RHODE ISLAND HOSPITAL LIFESPAN SPECIALTY PHARMACY

Postgraduate Year One Community-Based Pharmacy Residency Program
Residency Program Director: Lyndsey Garde, PharmD
Director of Pharmacy: Christine Collins, BSPharm

LEARN ABOUT THE GRANT
Supporting Students, Supporting Future Leaders

ASHP STUDENT LEADERSHIP AWARDS

The ASHP Student Leadership Awards program recognizes up to twelve students per year who are interested in health-system pharmacy practice and whose contributions represent the best attributes and accomplishments of ASHP student members. Each awardee receives a $2,000 award provided by the ASHP Foundation.

2023 Awardee Spotlight

MICHAEL NNAMDI NOME
UNIVERSITY WISCONSIN MADISON SCHOOL OF PHARMACY

Michael is a leader among his peers and is actively engaged in his chapter’s Student Society of Health-System Pharmacy (SSHP), where he serves as the chapter’s president. Michael has played a pivotal role in promoting ASHP Practice Advancement Initiatives (PAI), professional development programs, professional advocacy initiatives, and health system pharmacy at his chapter. He has also designed and executed strategies to enhance student collaborations and bridge health disparity gaps.
Literature Awards Honor Impactful Research

Since 1971, the ASHP Literature Awards have recognized pharmacists who exemplify excellence in research and impact pharmacy practice through their contributions to biomedical literature in five categories: Sustained Contributions, Innovation in Pharmacy Practice, Pharmacy Practice Research, Drug Therapy Research, and Student Research.

AWARDEE SPOTLIGHT

INA LIU, PHARMD, MS, BCPS | PHARMACY PRACTICE RESEARCH AWARD

Development and Validation of a Predictive Model to Predict and Manage Drug Shortages

*AJHP* | DOI: 10.1093/ajhp/zxab152

Drug shortages continue to be a major challenge for pharmacists nationwide, driving up the costs of purchasing medications and pharmacy labor. This study demonstrated that using “predictive analytics to create a drug shortage model using drug characteristics and manufacturing variables” can change drug shortage management from a labor-intensive reactive process to a proactive and efficient decision-making process.

AWARDEE SPOTLIGHT

SALFEE BHATHAL, PHARMD, BSC | AWARD FOR STUDENT RESEARCH

Adherence and Outcomes of a Surgical Prophylaxis Guideline Promoting Cephalosporin Use Among Patients With Penicillin Allergy

*Surgery* | DOI: 10.1016/j.surg.2022.01.020

Penicillin allergies can pose a challenge to an institution’s antimicrobial stewardship practices. However, there is growing evidence that patients with these allergies can and should receive cephalosporins. This study found that surgical patients with a documented penicillin allergy who received cephalosporin prophylaxis reported zero allergic reactions and concluded that “Cephalosporin prophylaxis should be preferred for surgical patients, including in the setting of true penicillin allergy.” Dr. Bhathal’s findings will impact patient care and pharmacy practice across many practice settings.
Honoring Excellence in Residency Training

PHARMACY RESIDENCY EXCELLENCE AWARDS

The Pharmacy Residency Excellence Awards Program recognizes and disseminates excellence and innovation in pharmacy residency training by honoring residency programs and preceptors who have demonstrated innovative methods to train, motivate, and mentor residents in their residency programs and the early years of their careers. Awards are presented in three areas: preceptor, new preceptor, and pharmacy residency program.

AWARDEE SPOTLIGHT

WEST VIRGINIA UNIVERSITY HOSPITALS
PGY2 INTERNAL MEDICINE RESIDENCY PROGRAM

The postgraduate year two internal medicine residency program at West Virginia University Hospitals is shaped by their passion for helping those in need. Residents and preceptors in this program routinely practice in underserved areas. In addition, residents produce and publish innovative research, which has led to meaningful changes at the institution. For example, “Treatment of Hypertriglyceridemia with Aggressive Continuous Intravenous Insulin,” published in the Journal of Pharmacy and Pharmaceutical Sciences evaluated the average amount of time it takes intravenous insulin to lower triglycerides. The study’s findings resulted in changes to the development of order sets for patients with severe hypertriglyceridemia.

THANKS TO YOUR SUPPORT...

Sharing knowledge, experiences, and innovations is essential when training and mentoring pharmacy residents, and who better to learn from than the Pharmacy Residency Excellence recipients?

As part of the awards program, each awardee hosts a free webinar as part of our Residency Excellence Education Series. Webinar participants learn about award-winning strategies to develop their program, preceptors, and residents from past Residency Excellence Award recipients, such as 2022 Preceptor recipient Brian Dee, PharmD, BCCCP, BCNSP, FCCM (top right) and 2022 New Preceptor honoree Cory P. Coffey, PharmD, BCACP, BCPP.

READ ABOUT ALL OUR Awardees
Investing in an Equitable Healthcare System

PHARMACY LEADERSHIP SCHOLARS | Supported by Chiesi

The Pharmacy Leadership Scholars is an innovative program that combines a traditional research grant program with a distance engagement component for early-stage pharmacist researchers who are aspiring leaders in practice, research, and academia with a DEI focus. The inaugural cohort participated in a series of learning modules focused on leadership, diversity, equity, and inclusion in healthcare, which is freely accessible in the ASHP Learning Center.

2023 GRANTEE SPOTLIGHT

SAMANTHA SHAFFER, PHARMD, BCACP
RIVERSIDE HEALTH SYSTEM

Role of Implicit Bias on Prescription Duration of Chronic Medications

Pharmacists offer a unique perspective when evaluating procedures and biases that may disproportionately impact people of color. Dr. Saffer’s project examines provider prescribing patterns in terms of prescription quantity and authorized refills and how they differ when the patient is a person of color, which could result in negative health outcomes for the patient.

“This project will highlight the important role of the pharmacy workforce within the clinics to optimize or improve current workflows, policies, and attitudes that may be negatively contributing to medication non-adherence.”

CATCHING UP WITH...

CHERYL WISSEH, PHARMD, MPH, BCACP
INAUGURAL COHORT 2021

Racial and Ethnic Disparities in Diabetes-Specific Medication Regimen Complexity and Diabetes Clinical Outcomes

“An outcome of the study demonstrated that when compared to patients with low diabetes-specific medication regimen complexity, patients with moderate to high levels of diabetes-specific medication regimen complexity are more likely to have an A1c that is not at goal. We are still analyzing all the cohorts, but we expect a similar pattern overall across each racial and ethnic group. However, we also expect that we will see differences between racial and ethnic groups. Given that medications are one of the many facets of diabetes self-management, we would like to explore other aspects of diabetes self-management, such as self-monitoring of blood glucose, social support, and team-based care, and we’d like to investigate how these aspects affect diabetes-specific medication regimen complexity, particularly among racially and ethnically marginalized populations. As such, we have developed another study that investigates adherence to diabetes medication regimens and self-monitoring and is currently undergoing the review process for federal funding.”
Thank You, Donors!

The continued generosity of our donors ensures that the ASHP Foundation will have the resources needed to support ASHP members, advance pharmacy practice, help pharmacists become leaders on patient care teams, and promote the safe and effective use of medications.

**DONOR | MIKE MAGEE, MS, RPH, FASHP**

Every time I donate to the ASHP Foundation, I feel like I am supporting improvements to our pharmacy profession for generations to come. Each gift supports research, pharmacy leadership training, residency excellence, and many more grants and awards to move our profession forward. **What a wonderful way to give back to a profession that has been so good to me.**

**CORPORATE PARTNER | A.J. DAY, PHARMD, VICE PRESIDENT OF CLINICAL SERVICES, PCCA**

The ASHP Foundation and PCCA have a shared purpose of **improving patient lives through innovation while training and supporting pharmacists to be successful.** Compounding ensures that patient needs can be met through personalized medicine. The resources and grants provided by the Foundation help promote medication safety and health outcomes for all. That’s why PCCA is proud to be a corporate sponsor year after year.

**VOLUNTEER | BENJAMIN ANDERSON, PHARMD, MPH, FASHP**

Involvement with the AHSP Foundation’s Donor Outreach Committee has been one of my favorite volunteering opportunities every year. It provides an opportunity to connect with friends and colleagues and an avenue to share all the wonderful work that the Foundation contributes to each year. The amazing programs and initiatives supported by the Foundation are why I come back year after year due to the assistance offered to so many aspects of our profession. I’m not only an ASHP Foundation volunteer, but I’m also a donor.
Ensuring a Diverse Pharmacy Workforce

ASHP FOUNDATION PHARMACY STUDENT SCHOLARSHIP

As part of ASHP’s longstanding commitment to increasing diversity, equity, and inclusion and in support of the recommendations and goals outlined in the ASHP Task Force on Racial Diversity, Equity, and Inclusion, the ASHP Foundation has created a new scholarship program supporting Black, Indigenous, and People of Color (BIPOC) pharmacy students.

The scholarship seeks to support BIPOC PharmD candidates pursuing pharmacy education and make their educational journey more affordable. The inaugural program will award a total of $25,000 in scholarships to pharmacy students enrolled at U.S.-accredited Historically Black Colleges and Universities (HBCUs) beginning in fall 2023.

RECIPIENT SPOTLIGHT

JORDAN E. A. LOUIS, MBS
HOWARD UNIVERSITY COLLEGE OF PHARMACY

“I am so grateful to be recognized by my institution and by the ASHP Foundation to receive the Pharmacy Student Scholarship. I’ve always known that my calling is to work directly with patients in my community to provide them with the education and services they deserve in order to improve their health and quality of life. I feel passionate about bridging the gap of mistrust between communities of color, specifically Black communities and health systems, and helping those patients feel confident in managing their disease state. To receive such a scholarship lets me know that my aspirations are valued, which I highly appreciate as my journey has been filled with many challenges. I look forward to continuing to grow and learn with my peers, knowing that I have both Howard University and ASHP supporting my future endeavors.”

You can support the future of pharmacy and help fund scholarships for students like Jordan. Join us by donating to the ASHP Foundation Scholarship Fund.
Our four lifetime giving societies, Diamond, Emerald, Sapphire, and Pearl, are the ASHP Foundation’s most prestigious donor recognition societies that honor donors who have given specific levels of contributions over their lifetime.

We are extraordinarily grateful for these donors’ commitment, involvement, cumulative giving, and continued support and collaboration.

### Lifetime Giving Societies

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Rodney L. Stiltner | Richard Talley |
Janet L. Teeters | Kasey K. Thompson |
Leonard J. Wziontoski | Dwight R. Tousignant |
Steve A. Wintemute | David R. Witmer |
Kasey K. Thompson | Billy W. Woodward |
The Oddis Society

The Oddis Society recognizes all donors who generously donate $1,000 or more to the ASHP Foundation on an annual basis.

The Oddis Society’s namesake, ASHP CEO Emeritus Dr. Joseph A. Oddis, was a visionary leader and a founder of the ASHP Foundation. We honor his profound and lasting impact on modern clinical pharmacy, patient care, and public health by celebrating those donors who support the Foundation’s mission of advancing the professional practice of pharmacists and the pharmacy workforce by funding research and education.

With the support of the generous donors in the Oddis Society, the Foundation can continue to fund vital research and education that benefit all levels of the pharmacy profession, including pharmacists, students, residents, and technicians.

We are grateful for the generosity of our Oddis Society donors.

ODDIS SOCIETY MEMBERS

$1,000 or more annually

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Anonymous
Malcolm J. Broussard
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<table>
<thead>
<tr>
<th>Program</th>
<th>Supporter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medication-Use Evaluations</td>
<td>Alexion</td>
</tr>
<tr>
<td></td>
<td>Paratek</td>
</tr>
<tr>
<td>Research on Stimulation of Biosimilars Adoption</td>
<td>Amgen</td>
</tr>
<tr>
<td></td>
<td>ViTris</td>
</tr>
<tr>
<td>ASHP Foundation Pharmacy Student Scholarship</td>
<td>Apexus</td>
</tr>
<tr>
<td>Pharmacy Leadership Academy®</td>
<td></td>
</tr>
<tr>
<td>Pharmacy Leadership Scholars®</td>
<td>Chiesi</td>
</tr>
<tr>
<td>RFID Research Initiative</td>
<td>Fresenius Kabi</td>
</tr>
<tr>
<td></td>
<td>caring for life</td>
</tr>
<tr>
<td>Pharmacy Residency Expansion Grant</td>
<td>Merck</td>
</tr>
<tr>
<td>Pharmacy Forecast™ Optimizing Technology Solutions Innovation Grant</td>
<td>QuVa Pharma</td>
</tr>
<tr>
<td>Pharmacy Residency Excellence Awards</td>
<td>Samson</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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