

# Dimensions Sciences 2024 | Impact Report



**Building the Next Generation of Global Scientists  
That Drives Progress and Discovery.**



## About Dimensions Sciences

At Dimensions Sciences, we are dedicated to fostering merit-based opportunities in STEM (Science, Technology, Engineering, and Mathematics) by providing access to scholarships, training, life and career coaching, mentorship, and peer support.

We strive to close opportunity gaps, empowering scientists to thrive across academia, government, non-profits, and industry. Our mission is to ensure that talent and potential define career success. Our vision is to build give back by fostering the next generation of global scientists that drives progress and discovery.

## Our History

Dimensions Sciences is a charity 501(c)(3) organization formed on November 21, 2019. Since our inception, we have been committed to empowering the academic community in STEM through our various programs and initiatives.

## Our Team

Our dedicated team of multidisciplinary volunteers is committed to making a meaningful impact on the careers and lives of talented and emerging scientists. We take our convictions and turn them into action.

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# Message from Leadership



**Marcia Fournier Ph.D.**  
Founder and President



**Bob Chapman**  
Co-Founder and Strategic Director

Dear friends and supporters,

At Dimensions Sciences, we believe that science knows no borders—and opportunity shouldn't either. This past year has been a powerful reflection of that belief. Through the dedication of our all-volunteer team and the support of generous donors and partners, we've continued to create pathways for early-stage scientists in Brazil and the United States to thrive. Whether it's through scholarships, mentorship, or leadership experiences, our programs are designed to do more than support careers—they help spark reinvention, resilience, and global connection.

Over 75% of our volunteers hold advanced degrees, and every one of them contributes not only their time, but their heart. That's what sets DS apart. We're building more than programs—we're building a movement.

We awarded Bridges Coaching Scholarships, ScientistA Awards, and New Dimension Awards to 14 exceptional scientists. These aren't just numbers—they represent stories of dedication, talent, and transformation. Since our founding in 2020, we've supported **94 beneficiaries** and distributed over **\$76,000 in direct grants**.

We are especially proud of the growing spirit of **international collaboration** between **Brazil and the United States**. Strategic partnerships with the Brazilian Consulate General of Boston, the Silicon Valley chapter of Grupo Mulheres do Brasil, Grupo In Press, and a community of individual donors have helped elevate early-stage scientists and create real opportunities for professional growth. This year alone, we received over **\$12,000 in cash donations** through PayPal, and an additional **\$35,000 in in-kind services**—a powerful reflection of shared belief in our mission.

But none of this would be possible without the incredible engine that drives Dimensions Sciences: our **volunteers**. Over **45 professionals** from diverse scientific and professional backgrounds donated their time, skills, and heart to keep this organization moving. With their help, we published **17 original opinion articles** sharing stories of scientists and science careers, while growing our social media reach by **20%** and connecting with over **12,000 followers**.

This year also marks a moment of transition. I want to extend my heartfelt thanks to our **co-founder, Bob Chapman**, who stepped down from the board in 2024. Bob's vision, leadership, and steady commitment helped shape Dimensions Sciences from its earliest days. His legacy will remain foundational as we grow forward.

Looking ahead, we're not slowing down. Our **Strategic Growth Plan** outlines a clear and bold direction: to **scale our programs, expand geographically**, and **achieve operational self-sustainability**. Our mission is long-term. Our vision is global. And our commitment to fostering a **diverse, inclusive, and dynamic** scientific community remains unshakable.

Thank you for standing with us as we champion excellence, and global access in science. The work continues, and with your support, the impact will only grow.

With gratitude,

A handwritten signature in cursive script, reading "Marcia Fournier".

Marcia Fournier, PhD, Founder, Dimensions Sciences

May 19, 2025

# Adapting to Change, Anchored by Purpose

**“Dimensions Sciences stays agile, adapting to changes in policy and the evolving needs of scientists, while remaining steadfast in our core mission: ensuring that talent and potential determine career success.”**  
- Marcia Fournier, Founder and President



In 2024, the political, economic, and research landscapes in Brazil, Latin America, and the USA have undergone significant changes. These shifts have implications for our mission and the broader scientific community. Understanding these changes helps us navigate challenges and leverage opportunities to support our researchers effectively.

## Brazil

Brazil has experienced significant political and economic shifts in 2024. President Lula da Silva's administration has faced declining approval ratings despite economic growth and improvements in unemployment. Economic challenges such as inflation and rising food prices have impacted public sentiment. In STEM research, Brazil has seen advancements in life sciences, including new regulatory frameworks and public-private partnerships. However, budget cuts have affected research institutions, particularly in the Amazon.

## Latin America

Latin America has seen political upheaval with elections in Argentina, Ecuador, and Guatemala. Economic growth remains modest, with structural challenges such as fiscal deficits and inequality. STEM education in the region faces hurdles, including funding gaps and disparities in access. Despite these challenges, initiatives like corporate-school partnerships and EdTech platforms are improving access to STEM education.

## USA

The USA underwent a pivotal election in 2024, with significant implications for public policies and global relations. Economic growth is expected to decelerate, influenced by monetary and trade policy and fiscal adjustments. STEM research continues to evolve, with policies aimed to restructure government agencies, research funding, and foreign collaborations. The demand for STEM professionals remains robust, driven by advancements in technology and the need for innovation across various industries.



In 2024, Dimensions Sciences expanded its impact by awarding **14 new scholarships**, reaching a total of 94 beneficiaries, strengthening international partnerships, and growing its digital community to over **12,000 followers**—all powered by a **100% volunteer** team.

**94** scientists awarded in Brazil and USA  
+ **15%** in 2024

**\$76,000** cash grants  
+ **5%** in 2024

Since 2020



# Key Achievements in 2024

1

## ScientistA Award

Built a growing network of empowered women scientists committed to mentoring and lifting others.



2

## New Dimension Award

Gave recipients validation that often serves as a career turning point.



3

## Bridges Coaching Scholarship

Empowered scholars to define professional goals, improve confidence, and prepare for international opportunities.



4

## Community Outreach

Delivered science career content through opinion articles, webinars, and expert talks.



# ScientistA Award | 2024

## Award for Brazilian women scientists in the U.S.

**Janaína Calu Costa**, a research fellow affiliated with the International Center of Equity in Health, and currently a postdoctoral fellow at the Harvard T. H. Chan School of Public Health in Boston, MA, USA, won the ScientistA Award 2024.

Dr. Janaina Costa earned an MS and a Ph.D. in Epidemiology from the Federal University of Pelotas, RS, Brazil and since 2015 has been working at the International Center for Equity in Health on research addressing gender and ethnic inequalities in women's and children's health and nutrition.



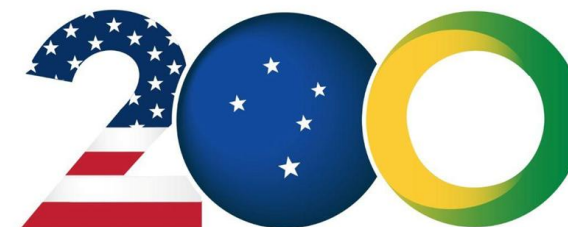
The finalists working on different areas of life and medical sciences were chosen through a peer-review process focusing on scientific merit and innovation. The winner and the five honorable mentions were announced in a ceremony at the Brazilian General Consulate in New York. The award ceremony also celebrated the bicentennial year of diplomatic relations between Brazil and the United States.

The five honorable mentions were **Dr. Camila de Souza Silva** from Boston Children Hospital, **Dr. Stephanie Stransky** from Albert Einstein College of Medicine, **Dr. Thais Barros Rodrigues** from private biotech company, **Dr. Sheila Tiemi Nagamatsu** from Yale, and **Dr. Ana Beatriz Barletta Ferreira** from National Institute of Allergy and Infectious Diseases, NIH.

# scientistA

2024

Celebrates



BICENTENNIAL OF DIPLOMATIC RELATIONS  
BRAZIL - UNITED STATES  
1824 - 2024

CONSULADO-GERAL DO  
**BRASIL**  
NOVA YORK

EMBAIXADA DO  
**BRASIL**  
WASHINGTON

CONSULADO-GERAL DO  
**BRASIL**  
SÃO FRANCISCO

CONSULADO-GERAL DO  
**BRASIL**  
BOSTON



**Organizing Committee**



With the ScientistA award, Dimension Sciences with its partners celebrates the astounding contributions Brazilian women are making to sciences at US academic institutions and companies in the STEM (science, technology, engineering and mathematics) fields.



# New Dimension Award | 2024

Supporting women in science in biotechnology.

**Dr. Carina Prado** was recognized for her groundbreaking research in biotechnology developing innovative methods for the sustainable production of ethanol from sugarcane bagasse.

In 2025 in its 5<sup>th</sup> year, the New Dimension (Nova Dimensão) Award honors the **best doctoral thesis produced by female scientists in Brazil** in biotechnology fields, in partnership with the Coordination for the Improvement of Higher Education Personnel (CAPES).

Every year, Brazil dazzles with around 20,000 doctoral theses, but only about 1,000 of the brightest gems are pre-selected based on scientific merit to compete for the esteemed CAPES Doctoral Thesis Award. The New Dimension Award takes this recognition further by focusing on innovation and entrepreneurship, showcasing the groundbreaking work of female scientists who are making waves in science and biotech.



For this award, Dimensions Sciences partnered with the Coordination for the Improvement of Higher Education Personnel (CAPES).

The New Dimension Award supports innovative projects and research conducted by emerging female Latino scientists, with a special focus on women in biotechnology in Brazil. This award aims to foster scientific discovery and advancement by providing funding and recognition to promising researchers.

It celebrates the best doctoral thesis, in partnership with the Coordination for the Improvement of Higher Education Personnel (CAPES) Doctoral Thesis Award. Established in 2020, it was a game-changer as the first award's category dedicated exclusively to recognizing the contributions of female scientists in Brazil.

The award benefits include one-time cash prize of \$2,000 and lifelong access to Dimensions Sciences advice, training, coaching, and support.



# Bridges Coaching Program | 2024

Addressing income gaps and advancing opportunities.

Running from October 1 to December 16, 2024, and by invitation-only, this special program offered a unique opportunity to participate in a virtual, global coaching initiative, for Bridges alumni and ScientistA finalists.

We congratulate the participants: Gibran Oliveira, Sheila Nagamatsu, Thiago Vieira, Davison Assis, Eliana Monteiro, Leu Schultz, Juliana Correa, and Leila Shirai.

## Why Scholars Choose the Dimension Sciences Bridges Program (2024 Attendee Survey)

### 1. Career Strategy & Goal Setting:

Seeking clarity on the path forward and planning next steps, navigating transitions, or enhancing strategic thinking.  
*"The program will help me chart routes to achieve my career goal, and also identify new opportunities."*

### 2. Leadership Development

A means to cultivate leadership capabilities for future roles in academia or research.  
*"This program can provide strategic insights necessary to enhance my ability for a leadership role in research."*

### 3. Self-Management & Personal Organization

Focused on improving organization, time management, prioritization, and emotional resilience.  
*"I expect to find solutions for my organization and to control my emotional and physical aspects."*

### 4. Communication, Visibility & English Fluency

Improve communication, particularly in English, and become more visible and impactful in professional communities.  
*"This program can empower me to communicate in the science."*

### 5. Confidence & Perspective Building

Addressing a need for greater self-confidence, emotional clarity, and the ability to reframe challenges.  
*"I expect to receive knowledge that will help me in my quest for greater self-confidence."*

We thank our coaches (left to right) **Briana Murphy, Shabnam Curtis, Madhu Arya.**



The Dimensions Sciences Bridges Scholarship program is dedicated to providing financial support and resources to early-stage scientists pursuing higher education in STEM (science, technology, engineering and mathematics) fields. Our goal is to reduce financial barriers and ensure that talented individuals have the opportunity to achieve academic and professional success.

Over 12 weeks, participants received one-on-one coaching helping them identify goals and take actionable steps toward achieving them; guiding them through challenges, encouraging self-reflection, and empowering participants to make progress.

# Community Outreach | 2024

Advancing the cause through education and influence.

**TV Record Americas:** Featured the ScientistA Award on TV Record Americas, highlighting the achievements of Brazilian women scientists and their impact on the scientific community.

**Workshop on Innovation:** Co-hosted a webinar exploring how Brazilian scientists abroad can drive innovation in Brazil, fostering international collaboration and knowledge exchange. Over 100 people attended the event from 5 countries including a majority from Brazil, and the USA.

**ScientistA** hybrid event with over 50 people attending in person and over 100 attending virtually.

Community outreach is a cornerstone of Dimensions Sciences' mission to foster merit-based opportunities in Science, Technology, Engineering, and Mathematics (STEM), and to help close opportunity gaps, empowering scientists to thrive across academia, government, non-profits, and industry.

Community outreach not only strengthens public trust in science but also fosters a more inclusive and innovative global scientific community. These efforts have empowered hundreds of students and early-career researchers to pursue STEM careers with confidence.



TV Record Americas Reports on the ScientistA Award; March 15, 2024 ([link](#))



Webinar – Brain Bridge: How Brazilian Scientists Abroad Can Contribute to Innovation, August 9, 2024 ([link](#))



ScientistA Hybrid Event, March 15, 2024 ([link](#))

# Spotlight: ScientistA Hybrid Event

Recognizing distinguished female scientists from Brazil doing postdoctoral research in the US.

- 153 registered
- 69 unique views
- 50+ attendees in-person
- 14 out of 19 finalists attended in-person
- 2 guest speakers
- 12 guests presenters

We thank our Keynote Speakers and Master of Ceremony.



Jaqueline Goes, PhD



Robin Beers, PhD



Eliza Alves-Ferreira, PhD

scientistA SATURDAY MARCH 9 AT 3-5 PM ET  
FREE WEBINAR

## FEMALE SCIENTISTS

19 INCREDIBLE AWARD FINALISTS

State

Maryland
Wisconsin
Texas
North Carolina
Pennsylvania
Massachusetts
Pennsylvania
Massachusetts
California
Pennsylvania
California
Tennessee
Massachusetts
Texas
Maryland
Connecticut
New York
Massachusetts
North Carolina

Learn more at <https://dimensionssciences.org/scientista-festa-2024-1>





# We Thank Our Donors | 2024

Change Maker	\$50,000+
Advocate	\$5,000+
Ally	\$500+
In-Kind	
Strategic Partners	

**J.P.Morgan**  
PRIVATE BANK  
Generous gift from Claudia Mitchell and family.

**Pinnacle** FINANCIAL PARTNERS     **DRUMMOND** ACCOUNTING - TAX - LEGAL - ADVISORY     **Grupo In Press**

 **FIDELITY Charitable**™

CONSULADO-GERAL DO **BRASIL** NOVA YORK     EMBAIXADA DO **BRASIL** WASHINGTON     CONSULADO-GERAL DO **BRASIL** SÃO FRANCISCO

CONSULADO-GERAL DO **BRASIL** BOSTON      Programa Diplomacia Inovação      MasterClass      MELT

**WIB** Women In Bio      **BRASA**     **pub** Boston | Connecticut | New York      **CAPES**      Grupo Mulheres do Brasil Núcleo Vale do Silício

# Evaluating Our Impact | Success in Careers and STEM Research

Beyond the immediate impact, we see our mission as helping scientists achieve their ultimate goal of succeeding in their careers, thereby also driving diversity in STEM (Sciences, Technology, Engineering, Mathematics).



## Immediate Impact:

- Address income gaps
- Build career skills
- Drive recognition

## 3-5 year Impact:

- Academic progression
- Career growth
- STEM diversity

## Dimensions Science alumni in 2025 - Where they are (real examples):

- CEO
- UN consultant in infectious diseases
- Postdoc abroad Brazil
- Biotech researcher



# Meet Thais Barros Rodrigues Ph.D.

**ScientistA honorable mention 2024.**

“As a Latina woman in STEM, I have navigated significant challenges, including overcoming stereotypes and biases in a field where agriculture is predominantly male dominated.

These experiences, along with the "[leaking pipeline](#)" issue where women face higher attrition rates at advanced career stages, have required resilience and determination.

Despite these hurdles, I have embraced the opportunities that have come my way, using them to advance my career and advocate for myself and others. Balancing cultural expectations with professional ambitions has been a journey, and as English is not my primary language, I’ve faced ongoing communication challenges.

However, these obstacles have only strengthened my resolve and commitment. By seizing every chance to contribute and speak up, I have been able to thrive and make meaningful progress in my field.”





# Meet Luciana Tavares Ph.D.

**ScientistA award winner 2021. Harvard Researcher 2024.**

“Being a Latina scientist comes with its own set of hurdles. As a woman in science, your voice often gets overlooked, and you have to really push to make your mark.

Also, there are funding limitations in Latin America and visa requirements that make it tough to attend conferences and network, which are crucial for building a career.”

# Growth Strategy

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"><li>• <b>Proof the concept</b><br/>(3 programs, Brazil focus)</li><li>• <b>Build foundation</b><br/>(leadership, operations, seed funding)</li><li>• <b>Drive impact (100 ppl)</b><br/>(making a difference from 1<sup>st</sup> year on)</li></ul> | <ul style="list-style-type: none"><li>• <b>Scale programs</b><br/>(Expand in the USA; build Latin relations)</li><li>• <b>Build infrastructure</b><br/>(paid staff; build endowment fund)</li><li>• <b>Scale impact (1,000 ppl)</b><br/>(pre- and post doc; build advocacy)</li></ul> | <ul style="list-style-type: none"><li>• <b>Scale geographically</b><br/>(Expand geographies)</li><li>• <b>Reach self-funding</b><br/>(endowment dividends + grassroots)</li><li>• <b>Scale impact (10,000 ppl+)</b><br/>(by adding advocacy internationally)</li></ul> |
|--|---|--|

2020 – 2024

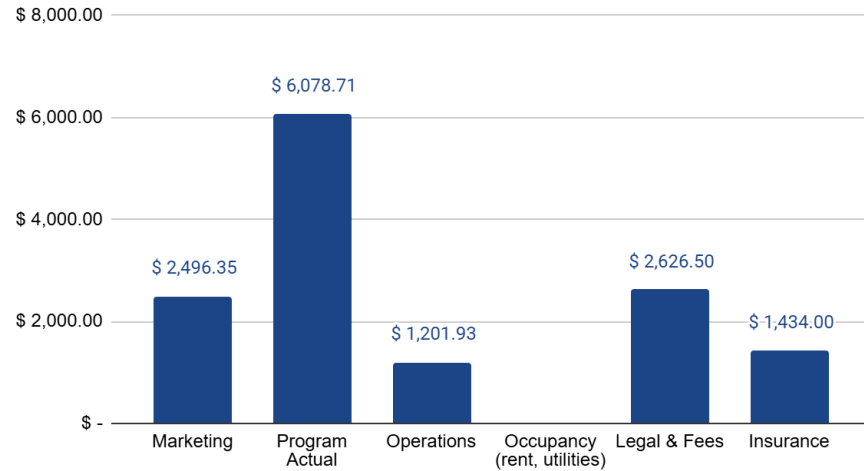
2025 – 2029

2030 – 2034

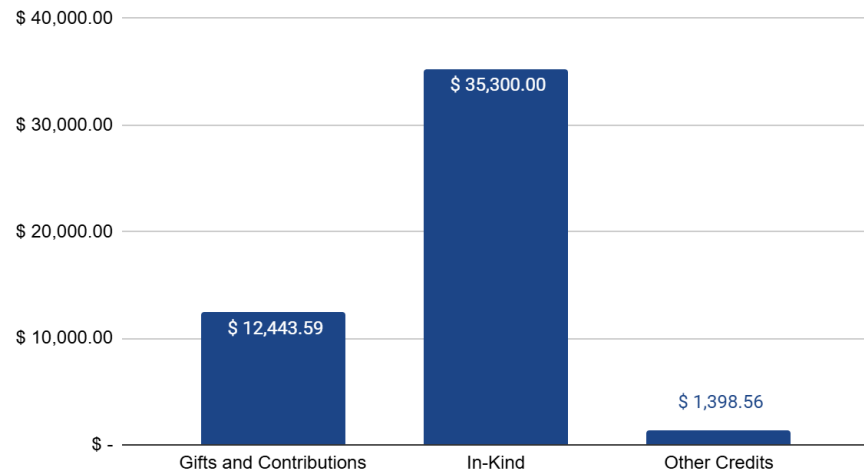


◀ Since foundation 100% volunteer run

## Expenses 2024



## Revenue 2024



# Transparency

## Financial Disclosures

Below are financial highlights for the year of 2024.

- \$133,000 total cash donations received since 2020
- \$35,300 in-kind donations received in 2024
- \$12,000 cash donations received in 2024
- \$0 paid for salaries or staff benefits (i.e. 100% volunteer run) since 2019

## Data Privacy

Dimensions Sciences understands the importance of protecting people's privacy. You can find our [privacy policy here](#).



Dimensions Sciences was awarded the Candid (Guidestar) [Platinum Transparency seal](#) in 2024.



1 NO POVERTY



4 QUALITY EDUCATION



5 GENDER EQUALITY



8 DECENT WORK AND ECONOMIC GROWTH



10 REDUCED INEQUALITIES



13 CLIMATE ACTION



SUSTAINABLE DEVELOPMENT GOALS

# UN Sustainable Development Goals

At Dimensions Sciences, we support the UN Sustainable Development Goals and Targets as a shared blueprint for peace and prosperity for people and the planet.



By 2030, substantially expand globally the number of scholarships available to developing countries, in particular least developed countries, small island developing States and African countries, for enrollment in higher education, including vocational training and information and communications technology, technical, engineering and scientific programs, in developed countries and other developing countries.



By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship.



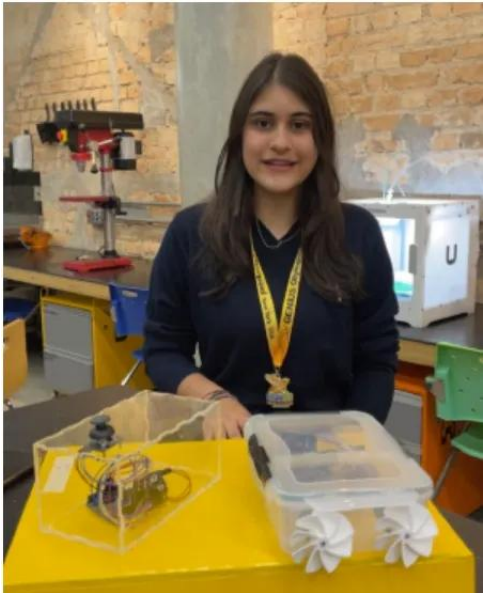
By 2030, eliminate gender disparities in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations.



By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development.



## Thank You to Our Editorial Team.



From upper left, clockwise:

Alessandra Silva, Marcio Alves-Ferreira, Renata Stuani,  
Paloma Dierings, Lothar Schubert, Marcia Fournier,  
Raquel Santana da Cruz, Mariana Lira.

## News & Stories

<https://dimensionssciences.org/newsroom>

[All Posts](#) [Announcement](#) [Event](#) [In Press](#) [Opinion](#)



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**Making an Impact. Today and Tomorrow.**

[dimensionssciences.org/donate](https://dimensionssciences.org/donate)

