

2020 Annual Report

July 1, 2019 – June 30, 2020 (FY 20)

20



Year of New Connections

Photo: SAI Director of Research, Dr. Jessica W. Tsai, representing the institute as a panelist at the University of Massachusetts Amherst Civic Scientist Panel Discussion.

Photo Credit: Jim Schwoebel

**Our Belief: Science needs society
and society needs science.**

**Our mission: To enable and
accelerate the building of new
tools programs that expand
pathways of access between
science and society.**

Dear Stakeholders,

On behalf of the entire SAi community, I am excited to share this report that provides a snapshot of our fiscal year 20 (July 1, 2019 – June 30, 2020).

It was a year of opportunity.

A year of new challenges.

A year of perseverance.

A year of reflections.

A year of change.

We welcomed new residents and staff, made new connections, released new publications, secured new funding from donors and foundations, and hosted many events. The year allowed us to also sharpen our mission of enabling and accelerating the building of new tools programs that expand pathways of access between science and society.

The coronavirus pandemic in addition to the tragic killings of not just George Floyd, but several other African Americans, dramatically re-exposed the systemic issues of racism in America that can be found in all areas including science. It was and continues to be a reminder about the importance of our collective work in increasing access to science to underrepresented and underserved communities around the world.

Although we are grateful for the growth this past year, there is still a lot of work left. We continue to run a mostly volunteer based team and we are actively looking for new funding to support both our current and future SAi residents and their projects.

We are grateful to all of our stakeholders and are excited about the year ahead.

A handwritten signature in black ink, appearing to read 'Fanuel Muindi', with a small flourish at the end.

Chief, Fanuel Muindi, PhD

breakdown

\$15,638
Total Revenue

1.7x
from last
fiscal year

20 ▲

No. of external events
where SAI residents presented/
exhibited/attended

6 ▲

Grants
Awarded

8

Internal SAI
Seminars

12

New Residents
& Staff Joined

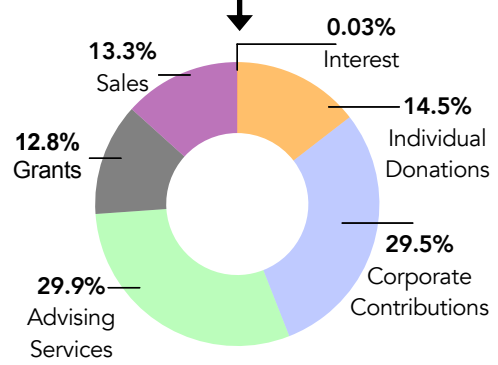
1.7x

Increase in
Web Traffic

2 Scholarly Publications

FINANCIAL SUMMARY

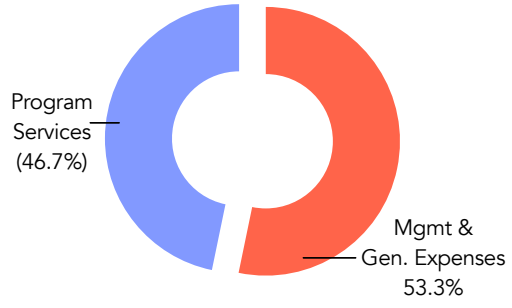
Assets as of June 30		
	FY 2020	FY 2019
General Admin Fund	\$10,316.99	\$3921.16
Reserve Fund	\$2,154.98	\$1221.66
Programs and Projects (restricted)	\$4,168.19	\$1844.05
Total	\$16,640.16	\$6,986.87



Revenue Breakdown

Liabilities		
Liabilities	\$0	\$0

Net Assets		
Net Assets	\$16,640.16	\$6,986.87



Expenses: \$5,984.55

New Resident Projects

9

Project Name	Category 1	Category 2	Lead Resident
Galactic Polymath Program	Program	Education Studio	Matt Wilkins
SciLabs	Program	Mentoring	Accady Lunayo
SciComm TV	Database	Video	Fanuel Muindi
New Society Art Gallery	Program	Mixed Media	Fanuel Muindi
SAi Summer Research Internship Program	Program	Research	Fanuel Muindi
Millenial SCNCE	Program	Outreach	Cautney Nelson
Notes By Niba	Mixed Media	Engagement	Niba Nirmal
REACH	Program	Mentorship	Israel Robinson
NatureVolve	Journal	Publishing	Clarissa Wright

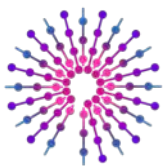
Each year, new residents are invited to join SAI for 1-2 year terms that can be renewed. For this fiscal year, 30% of the fellows became residents.

Continuing Projects

5

Project Name	Category 1	Category 2	Lead Resident
Journal of Stories in Science	Database	Publishing	Fanuel Muindi and Jessica Tsai
Muindi Lab	Program	Research	Fanuel Muindi
SAi Fellows Program	Program	Mentorship	Fanuel Muindi
SciComm Board	Database	Advertising	Fanuel Muindi
SAi Brain Explorers	Program	Outreach	Peter Vollbrecht

The projects above are partially being supported within the SAI yearly budget. The SAI Fellows Program is a core program of the institute.



GALACTIC POLYMATH
THINK BIGGER - LEARN EVERYTHING

<https://www.galacticpolymath.com/>

Resident – Matt Wilkins



GP is a startup education studio. They work to translate new research into *easy-to-teach, mind-expanding lessons* for grades 5+.



New Society Art Gallery

<https://newsocietyart.org/>

Resident – Fanuel Muindi



NS is an online art gallery seeks to provide a platform for showcasing diverse science-inspired art which provoke new ideas and perspectives via cross-disciplinary conversations around the connections between science and society.



<https://millennialscnce.com/>

Resident – Cautney Nelson



Millennial Scnce focuses on aiding students in low income areas with free programs and resources that relate to STEM fields.

SCICOMMTV

MAY 2020

SCICOMMTV.NET

DISCOVER VIDEOS FROM:

**SCIENCE
MOM**

JENNY BALLIF

**NOTES BY
NIBA**

NIBA NIRMAL

DANCE YOUR PHD

PRAMODH SENARATH YAPA



SciCommTV is a curated video network which organizes and promotes science communication video content from around the world.

As part of the SAI Nanochats Initiative, the SciComm & Covid-19 Nanochats sought to explore how science communicators/orgs were responding to the Covid-19 pandemic (aka what they are doing/have done etc), the challenges they are facing communicating about Covid19, what is needed, and what they think the future holds. A total of 6 interviews were conducted by Dr. Fanuel Muindi with SciComms from Canada, United States, and also India.



Completed
interviews

6



SCAN ME

SAI COVID RESPONSE

In an effort to assist with the Covid-19 infodemic, we created a simple checklist called the “Stay Informed Checklist.” Version 1.8 of the checklist is a simple 5-step procedure to assist any individual to think through the barrage of information about Covid-19 or other information for that matter. The checklist walks the user through the following five action steps:

The infographic features a dark blue background with white and yellow text. At the top left is the SAI logo (STEM ADVOCACY INSTITUTE). The main title 'Stay Alert Stay Informed' is written in large, bold, white and yellow letters. Below it, '5-STEP CHECKLIST' is written in small white letters, and '#STOPTHEMISINFO' is in a yellow box. The five steps are listed in a vertical column on the right, each with a white number in a red circle and a red title. The text for each step is in white.

SAI STEM ADVOCACY INSTITUTE

Stay Alert Stay Informed

5-STEP CHECKLIST

#STOPTHEMISINFO


- 01 STOP**
There is always more to the story. What is the context? Read beyond the headlines. Check your biases & assumptions.
- 02 THINK WHO**
Who is sharing this information? Is the source credible? What is their motive? What are other reliable resources saying about the source & topic?
- 03 THINK WHAT**
What does the evidence actually show? What is the variance in the data? Consult relevant experts if possible. Double-check the data sources.
- 04 THINK WHEN**
Timing matters. Is the information up to date & relevant? How has your thinking evolved based on the latest evidence?
- 05 THINK AGAIN**
Information is always being updated. Repeat the steps above to stay informed.

Version 1.8



This planning meeting aimed to “conceptualize, articulate an approach, and begin to galvanize support for the creation of one or more high-impact awards for the public understanding of science.” It was organized by the National Academies of Sciences, Engineering and Medicine. SAI Chief Fanuel Muindi was invited to attend the meeting.

To Register








STEMPEERS

2019

Panelists on Social Entrepreneurship



PhD Career Support Group



Chander Malik
Director, STEAM Vision

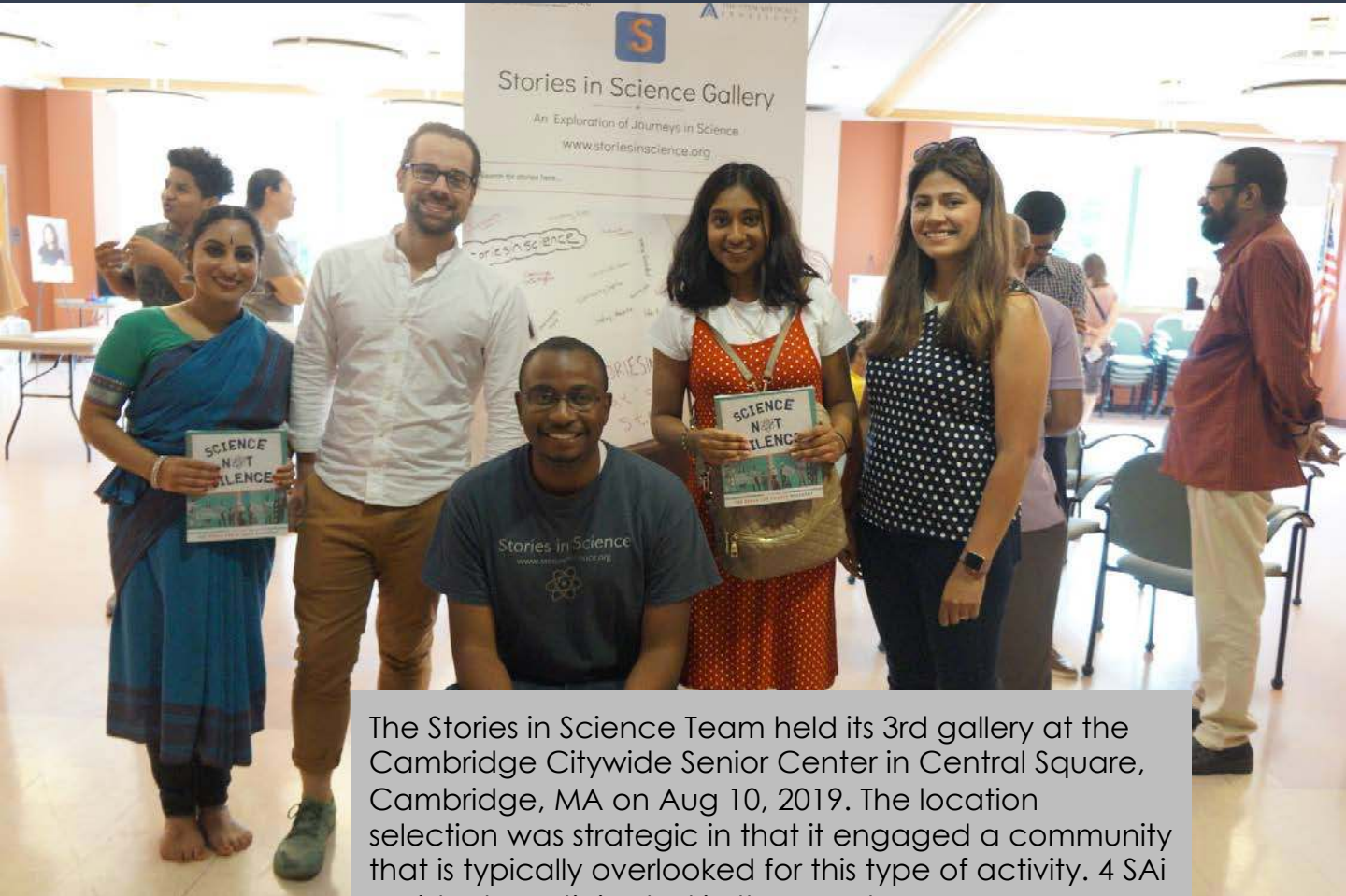
Fanuel Muindi
Founder, STEM Advocacy Institute (SAI)

Neetal Parekh
Founder, Innov8Social

Panakj Kapahi
Founder, Mentorship Program at Freedom English Academy (FEA)

Ananda Ghosh
Founder, STEMPeers.org

SAi was represented by Fanuel Muindi at the 2019 Annual STEMPeers conference hosted in the Genentech Hall of UCSF. (Sept 2019)





The Stories in Science Team held its 3rd gallery at the Cambridge Citywide Senior Center in Central Square, Cambridge, MA on Aug 10, 2019. The location selection was strategic in that it engaged a community that is typically overlooked for this type of activity. 4 SAI Residents participated in the event.

2019 Watch:City Science & Technology Forum




Tuesday, November 5 | Noon - 3:00 p.m.
EST
Brandeis University, Waltham, MA

SAi attended the Inaugural Watch City Science & Technology Forum that was hosted at Brandeis University.

Trends in Molecular Medicine Log in  

SCIENCE & SOCIETY | [ONLINE NOW](#)

Human Narratives in Science: The Power of Storytelling

Fanuel J. Muindi   • Lakshmi Ramachandran 

Jessica W. Tsai

Published: January 28, 2020 •

DOI: <https://doi.org/10.1016/j.molmed.2019.12.001>



In an article published in Cell Press' Trends in Molecular Medicine in Jan 2020, SAI Residents Drs. Fanuel Muindi, Lakshmi Ramachandran and Jessica W. Tsai make the the argument that since science is fundamentally about people – the people who do science and the people who are affected by science, their narratives must be captured and shared publicly as an integral part of the scientific process.



SAi Director of Research, Dr. Jessica W. Tsai, representing the institute as a panelist at the University of Massachusetts Amherst Civic Scientist Panel Discussion.

United States of America

United States Patent and Trademark Office

STORIES IN SCIENCE

Reg. No. 6,092,788

Registered Jun. 30, 2020

Int. Cl.: 41

Service Mark

Supplemental Register

STEM ADVOCACY INSTITUTE (MASSACHUSETTS CORPORATION), AKA SAI
6 Liberty Square Pmb #255
Boston, MASSACHUSETTS 02139

CLASS 41: On-line journals, namely, blogs featuring personal narratives in science; Educational services, namely, conducting informal programs in the fields of personal storytelling in science, using on-line activities and interactive exhibits, and printable materials distributed therewith; Electronic publishing services, namely, publication of text and graphic works of others on on-line featuring personal narratives in science

FIRST USE 11-5-2016; IN COMMERCE 4-14-2019

THE MARK CONSISTS OF STANDARD CHARACTERS WITHOUT CLAIM TO ANY PARTICULAR FONT STYLE, SIZE OR COLOR

SER. NO. 88-465,046, FILED P.R. 06-08-2019; AM. S.R. 06-08-2019



Andrei Iancu

Director of the United States
Patent and Trademark Office



SAi's Journal of Stories in Science formally received the trademark approval in the supplemental register for "Stories in Science."

#POWERED BY SAI

SAi Fellows C3 Demo Day

JUNE 6, 2020

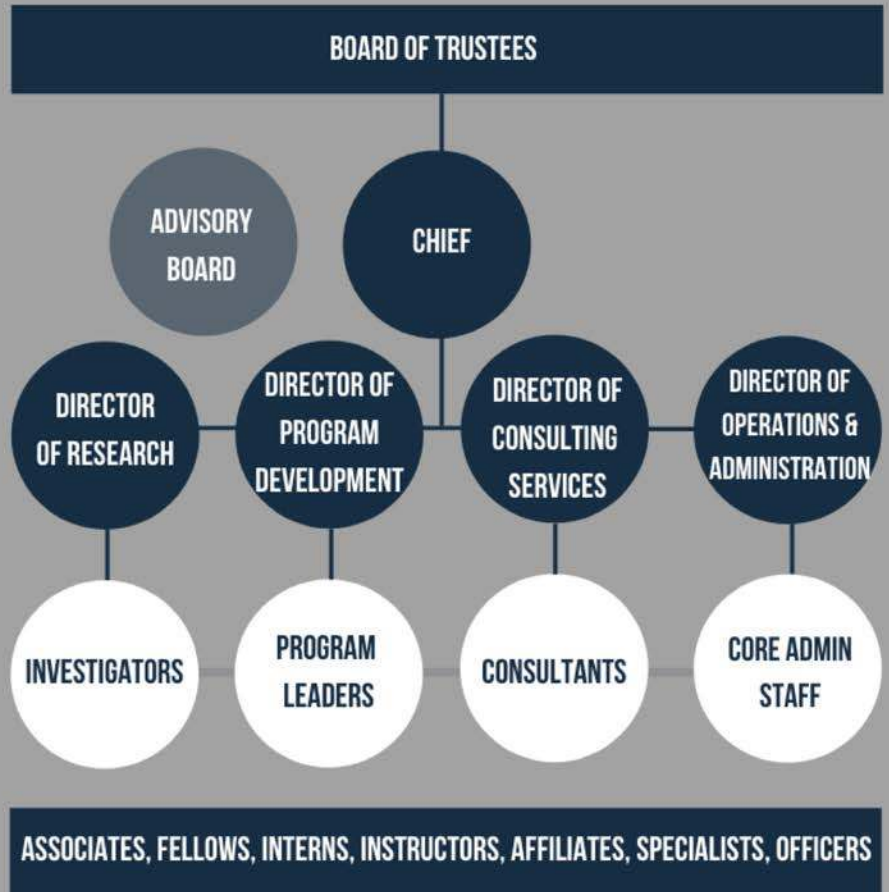
Our SAI Fellows Program seeks to provide mentorship and funding to graduate students and postdocs with early stage project ideas that aim to increase public understanding and engagement with science. Fellows receive the theory, design, implementation, and evaluation knowledge-base to enable them to build impactful and sustainable informal STEM education initiatives. Fellows also receive professional development support. We especially welcome outside-the-box ideas that utilize new and creative ways to engage communities that have been traditionally underrepresented and underserved. The program is 10 weeks and the fellows presents their projects at a demo event to the broader public. The program is offered twice a year.

OUR CURRENT ORG STRUCTURE

STEM ADVOCACY INSTITUTE
VERSION - 2020.08.25

SAI ORG CHART

SAI STEM
ADVOCACY
INSTITUTE
STEMADVOCACY.ORG



Our current organization structure provides the necessary flexibility needed for growth. The Board of Trustees develops and approves the institute's vision, mission, goals, and policies. Residents communicate with institute leadership throughout the year to make important decisions.

THANK YOU TO ALL OUR SUPPORTERS!

BURROUGHS
WELLCOME
FUND 



ThermoFisher
SCIENTIFIC



STEMPEERS



ELITE WOMEN
Purpose Driven

Xena
workwear for women



We'd like to deeply thank all our individual and sponsoring organizations that have contributed in-kind, cash and moral support to enable our work.



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