House District _____

Senate District _____

THE TWENTY-NINTH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES

Log No:

For Legislature's Use Only

Type of Grant Request:

☒ GRANT REQUEST – OPERATING ☐ GRANT REQUEST – CAPITAL

"Grant" means an award of state funds by the legislature, by an appropriation to a specified recipient, to support the activities of the recipient and permit the community to benefit from those activities.

"Recipient" means any organization or person receiving a grant.

STATE DEPARTMENT OR AGENCY RELATED TO THIS REQUEST (LEAVE BLANK IF UNKNOWN):

_____

STATE PROGRAM I.D. NO. (LEAVE BLANK IF UNKNOWN): _____

1. APPLICANT INFORMATION:

Legal Name of Requesting Organization or Individual: Hawaii Academy of Science

Dba: Hawaii Academy of Science

Street Address: 1776 University Ave #UA4-4, Honolulu, HI 96822

Mailing Address: same as above

2. CONTACT PERSON FOR MATTERS INVOLVING THIS APPLICATION:

Name SCOTT ROBINSON

Title Principal Investigator

Phone # 808-341-0265

Fax # 808-956-5183

E-mail scottdr@hawaii.edu

3. TYPE OF BUSINESS ENTITY:

☒ NON PROFIT CORPORATION INCORPORATED IN HAWAII
☐ FOR PROFIT CORPORATION INCORPORATED IN HAWAII
☐ LIMITED LIABILITY COMPANY
☐ SOLE PROPRIETORSHIP/INDIVIDUAL
☐ OTHER

_____

6. DESCRIPTIVE TITLE OF APPLICANT'S REQUEST:

61ST HAWAII STATE SCIENCE & ENGINEERING FAIR

4. FEDERAL TAX ID #: [redacted]

5. STATE TAX ID #: [redacted]

7. AMOUNT OF STATE FUNDS REQUESTED:

FISCAL YEAR 2018: $ 118,000

8. STATUS OF SERVICE DESCRIBED IN THIS REQUEST:

☐ NEW SERVICE (PRESENTLY DOES NOT EXIST)
☒ EXISTING SERVICE (PRESENTLY IN OPERATION)

SPECIFY THE AMOUNT BY SOURCES OF FUNDS AVAILABLE AT THE TIME OF THIS REQUEST:

STATE $_____
FEDERAL $ 60,000
COUNTY $_____
PRIVATE/OTHER $ 70,000

[redacted]

SCOTT ROBINSON, PRINCIPAL INVESTIGATOR
NAME & TITLE

01/18/2017
DATE SIGNED

Rev 12/2/16

RECEIVED
1/20/17

61st Hawaii State Science & Engineering Fair

I. Background and Summary

1. A brief description of the applicant's background.

Founded in 1925, the Hawaii Academy of Science (the **Academy**) is a private 501(c)(3) non-profit professional society that is the state affiliate the American Association for the Advancement of Science (AAAS), the world's largest general scientific society. The mission of the Academy is ***to create a better world through Science and Education.*** With this mission in mind, the Academy has conducted the Hawaii State Science & Engineering Fair (HSSEF) for middle and high school students every year since 1958.

The goal of the Science Fair is to convince middle and high school students that they are capable of becoming scientists. The strategy is fairly simple. Students conduct scientific research and compete with their peers for recognition, monetary awards, and scholarships. In order to encourage as many students as possible, hundreds of awards are presented each year. We believe this early success encourages a greater number of students to consider science-related fields of study when they enter college.

Request. This proposal is requesting $118,000 to help with the cost of personnel, rental of the Convention Center, and travel for winning students to attend the International Science & Engineering Fair.

for salaries and fringe benefits to hire a staff (a full time director and a half time assistant director) to plan and conduct the Hawaii State Science Fair (HSSEF) for the 2017-2018 academic year.

2. The goals and objectives related to the request.

The science Fair is a yearlong enterprise in which students conduct research and explain their outcomes to a group of scientists that select students whose projects are worthy of advancing to the next level of competition. There are four levels: 1) school, 2) district, 3) state and 4) the international. The best projects at each level advance to the next higher level. The best projects at the HSSEF, as well as the best projects from each district science fair, advance to the International Science & Engineering Fair (ISEF) on the mainland. The actual number of projects that advance to ISEF may vary from year to year.

The district science fairs include: East Hawaii (Hilo), West Hawaii, Maui, Kauai, the Hawaii Association of Independent Schools (HAIS), and the Central, Windward, Leeward, and Honolulu districts on Oahu.

The 68th **International Science and Engineering Fair (ISEF)** will be held in May 13-18, 2018 in Phoenix, Arizona. ISEF is the world's largest international pre-college science competition, and annually it provides a forum for more than 1,700 high school students from over 70 countries, regions, and territories to showcase their independent research and compete for more than $4 million in awards. Approximately 20 students from Hawaii qualify to compete at ISEF each year.

There are hundreds of individual tasks required for planning and conducting this sequence of science fairs. A few of the major tasks or objectives are listed below.

ULTIMATE GOAL: To increase the number of students who major in a STEM-related field of study in college.

Objective 1. Financial Assistance. In the past many districts have been unable to raise an adequate amount of money to properly conduct a science fair. Our first objective is to provide financial assistance to each of the nine district science fairs in Hawaii.

Objective 2. Outreach. Teachers play a critical role in helping students conduct research projects. Our second objective is to inform all secondary science teachers in Hawaii of the opportunities the Science Fair offers their students, regardless of their geographic location or island of residence.

Objective 3. Science Fair Workshops. Our third objective is to conduct workshops to recruit new science teachers who will engage their students in the Science Fair. The workshops focus on the goals, policies, and procedures of the Science Fair, as well as how to use the computer technology needed to become involved in the enterprise.

Objective 4. Judges. Several hundred judges are needed. Our fourth objective is to recruit a sufficient numbers of judges to serve as judges for the school, district, and state science fairs.

Objective 5. Awards. The more awards available, the greater our chances of recruiting students into the science community. Our fifth goal is to solicit student awards from professional organizations and the community.

3. The public purpose and need to be served.

The International Science & Engineering Fair was established in 1950 with the stated purpose of increasing the number of students who enroll in science degree programs in college. That purpose has not changed. Another way of stating this is to say that our goal is to help produce a more scientifically literate workforce for Hawaii, the nation, and the world. That initial purpose is now expressed in terms of STEM education where STEM stands for **S**cience, **T**echnology, **E**ngineering, and **M**athematics. According to the National Science Foundation, the strength of the STEM workforce is an indicator of a nation's ability to sustain itself. We firmly believe that the Hawaii Academy of Science has contributed to this goal every year since the first Hawaii State Science & Engineering Fair in 1958.

4. Describe the target population to be served.

The target population is all middle school and high school students in Hawaii. Students who are home schooled are also encouraged to participate. Each year approximately 5,000 students in Hawaii participate in the Science Fair.

5. Describe the geographic coverage.

Students and teachers from all islands are encouraged to participate.

II. Service Summary and Outcomes

1. Describe the scope of the work, tasks and responsibilities.

The science fair program in Hawaii is a yearlong experience that includes the following key events: schools and teachers are informed of the calendar of events for the year; students select a topic and conduct their research; the school science fairs are held, and the better projects advance to the district science fairs; the district science fairs are held and the better projects advance to the state science fairs; and finally, the HSSEF is held and the best projects from each district fair and the HSSEF advance to the International Science & Engineering Fair on the mainland. There are hundreds of tasks that need to be performed behind the scenes to make these events happen.

2. Provide a projected annual timeline for accomplishing the results or outcomes of the service.

PHASE 1: PREPARATIONS (July – September).

This period of time is devoted to laying the groundwork for the coming series of science fairs. The staff begins by communicating with all players, including ISEF,

students, schools, teachers, donors, judges, and districts. Printed materials and emails are sent to teachers; the district and state science fairs sign affiliation agreements with ISEF; workshops are held for teachers; websites, brochures, and booklets are updated; advance airline and hotels bookings are made for the ISEF trip in May; and new proposals for funding are written. Students begin their research projects at this time. Each District Fair will have a database that is linked to the database for the State Science Fair, and this will greatly simplify data management for the HSSEF and ISEF. Consultants will be hired to set up these databases and to provide in-service training to the users.

PHASE 2: AWARDS AND FUND-RAISING (October - December).

The tasks from Phase I continue as needed during this time. Requests for funding for the following year are sent to previous donors, and new proposals are written to solicit new donors. Communication to schools and teachers continue, and materials (certificates and pins) are prepared for the state science fair. Financial and logistical assistance is provided to school and district fairs. Awards for students are solicited from the community.

PHASE 3: SCHOOL & DISTRICT SCIENCE FAIRS (January - March).

The School and District Science Fairs are held during these months. The data for the winners at the school fairs are forwarded to the district fair directors and logistical support is provided to the district fairs as needed. The district science fairs are held and the data of the winners are forwarded to the State Fair relational database. Final preparations are made for the HSSEF (the state science fair). Judges, awarding agencies, and volunteers are confirmed, committees are organized, programs are published, and final arrangements are made with the Hawaii Convention Center.

PHASE 4: HSSEF and ISEF (April - June).

Committees perform the major tasks involved in conducting the HSSEF. The Science Fair Director monitors and interacts with each committee. After the HSSEF, the Hawaii delegation of about 20 students and their adult chaperones will attend the ISEF experience in Phoenix in May of 2018. Final evaluation reports are completed when the staff returns to the islands.

3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results.

There are hundreds of tasks that must be performed, too many to list here. To illustrate our evaluation plan, Table 1 provides examples of how we will evaluate our key objectives.

Table 1. Examples that Illustrate our Evaluation Plan

Goal or Objective	Procedures	Assessed by
ULTIMATE GOAL: To increase the number of students who will major in STEM-related fields of study in college.	Administer a survey to all students at HSSEF. Nationally 38% of students major in STEM-related fields of study.	Percentage of students who indicate they will major in a STEM-related field of study in college.
Objective 1: To provide financial assistance to all District Science Fairs in Hawaii.	Conduct fund-raising activities.	The number of District Science Fairs that receive financial support from the ACADEMY.
Objective 2. Outreach. To increase the number of secondary science teachers who are aware of the opportunities the Science Fair offers their students.	Compile list of names of science teachers. Mail and emails to every secondary science teacher. Websites of all science fairs are fully operational.	Compare number of teachers notified this year to number notified in previous year.
Objective 3: To conduct Science fair workshops for interested teachers.	Record the number of teachers attending the workshops.	Number of teachers attending the workshops who participate in the science fair.
Objective 4. To recruit an adequate number of judges for HSSEF.	After interviewing a student, each judge signs a sheet attached to each student's project.	Number of project sheets signed by at least three judges.
Objective 5. To solicit student awards from professional organizations and the community.	Total number of awards given to students at the previous HSSEF.	Compare the number of awards this year as compared to last year.

When the Science Fair staff returns from the International Science & Engineering Fair in May, the committee chairs and the Science Fair staff will use the data in the table above to assess each program activity. If weaknesses are identified, strategies will be made for improvements.

4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated.

The measures of effectiveness that we will report are listed in Table 2 below.

Topic	Measure of Effectiveness
College Intentions	Percentage of students who indicate they will major in a STEM-related field of study in college.
Financial Aid to Districts	Percentage of District Science Fairs that receive financial assistance.
In-Service Workshops	Percentage of teachers who attend a workshop that became involved with the science fair.
Outreach to Science Teachers	Percentage of all science teachers who received information about the Science Fair.
Adequate Number of Judges	Percentage of HSSEF student project sheets signed by at least three judges.
Solicitation of Student Awards	Number of student awards in 2018 exceeds the number of student awards in 2017.

III. Financial

1. The budget is attached.

2. Anticipated quarterly funding requests for the fiscal year 2018.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
$10,000	$48,000	$40,000	$20,000	$118,000

3. Listing of all other sources of funding that they are seeking for fiscal year 2018.

We intend to seek funding from the following: Ace Hardware; AECOM Technology Corporation; AIO Foundation; Armed Forces Communications; ASME-HI; Bank of Hawaii Foundation; Ben Franklin Crafts; Carrier Hawaii; Central Pacific Bank; Chevron; Edward Enterprises; Elsie Wilcox Foundation; Finance Factors; First Hawaiian Bank Foundation; GN Wilcox Trust; Hawaii Community Foundation; Hawaii Gas Company; Hawaii Pacific Health; Hawaiian Electric Company; Island Insurance Company; Jeannette and Harry Weinberg Foundation; Jhamandas Watamull Fund; K. Taniguchi, Ltd.; Kiewet Building Group; McInerny Foundation; Monsanto Company; National Oceanic and Atmospheric Administration; Pioneer Hi-Bred; Queen's Medical Center; Referentia Systems; Retina Center of Hawaii LLC; Syngenta Hawaii, LLC; Thirty Meter Telescope; Verizon Foundation; plus many individuals in the community.

4. The applicant shall provide a listing of all state and federal tax credits it has been granted within the prior three years. Additionally, the applicant shall provide a listing of all state and federal tax credits they have applied for or anticipate applying for pertaining to any capital project, if applicable.

   NOT APPLICABLE

5. The applicant shall provide a listing of all federal, state, and county government contracts and grants it has been and will be receiving for program funding.

   We received a five-year NOAA grant in the amount of $320,000. It expires in July 2021. It provides $80,000 for 2016-1017 and $60,000 for each of the four remaining years of the grant.

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2016.

   Balance Sheet is attached.

IV. Experience and Capability

A. Necessary Skills and Experience

The Hawaii Academy of Science has conducted the HSSEF every year since 1958. It is the only organization licensed to conduct the HSSEF. Working protocols have been developed for every phase of the program. Central to the entire enterprise are several hundred scientists who serve as judges each year. We think these factors clearly demonstrate that we have ***"the necessary skills, abilities, knowledge of, and experience relating to the request."***

B. Facilities

The applicant shall provide a description of its facilities and demonstrate its adequacy in relation to the request. If facilities are not presently available, describe plans to secure facilities. Also describe how the facilities meet ADA requirements, as applicable.

In 2010, at the suggestion of Senator Daniel Inouye, the venue was changed to the Hawaii Convention Center. In 2018, the HSSEF will be held in the Kamehameha Exhibit Hall III at the Convention Center. Its 56,000 square feet of space is very adequate for housing the entire HSSEF, including the student exhibits and the Opening and Awards Ceremonies. The Hawaii State Department of Education's Career and Technical Education Program will also have a display of student work in the room. Finally, the Hawaii Convention

Center publishes an American with Disabilities Act (ADA) Accessibility Brochure that explains how the facility meets all ADA requirements.

V. Personnel: Project Organization and Staffing

A. Proposed Staffing, Staff Qualifications, Supervision and Training

The salaried staff consists of an Executive Director, Program Director and Program Manager. Funding is requested specifically for time devoted to the State fair. Amy Weintraub serves as the Director of Science Fair and has been with the Academy for four years and a volunteer with the organization for 3 years prior to that. Her background is in event planning, grants management and program development in both private and non-profit STEM organizations. Dr. Courtney Chang is the part-time Program Manager and oversees the scientific criteria for the science fair and oversees the Academy's Pacific Symposium for Science & Sustainability. Dr. Chang's PhD is in Cell & Molecular Biology.

BOARD MEMBERS.
Chair: **Sharlene Tsuda**, VP of Community Development, The Queen's Health Systems
Past-Chair: **Andrea Fleig, PhD,** Director of Clinical Research, Queen's Medical Center
Treasurer: **Kristen Yamane,** Corporate Development Planner, The Queen's Health Systems;
Member: **Neal Atebara, MD**, Director, Retina Center of Hawaii at Queen's;
Member: **Manny August Jr.**, Wells Fargo;
Member: **Wayne Kamitaki**, CEO of Maui Varieties, LCC;
Member: **Irv King, PhD,** Retired Professor, UHManoa;
Member: **Lisa Nillos,** Vice President, Central Pacific Bank;
Member: **Scott Robinson, PhD**, Specialist, College of Education, UHManoa;
Member: **Vassilis Syrmos, PhD,** UHManoa, Vice President, Research & Innovation.

CONSULTANTS. Since we have less than two full-time positions, consultants are hired to create and manage a sophisticated relational database and our webpage. Their services are vital to the success of the Science Fair.

VOLUNTEERS. The science fair would not be possible without legions of volunteers: more than 300 **scientists** serve as judges at school, district, and the state science fair; scores of **teachers** guide their students in conducting scientific experiments; hundreds more **volunteers** help in numerous ways during the school, district, and state science fairs; and dozens of **organizations** donate funds for student awards and operational expenses. The cooperation of these hundreds of individuals and organizations make the Hawaii State Science & Engineering Fair the premier science education event in Hawaii.

B. Organizational Chart

An organizational chart is attached.

C. Compensation

Sara Tamayose	Executive Director	(.05 x $70,000)	$ 3,500
Amy Weintraub	Program Director	(.50 x $60,000)	$30,000
Courtney Chang	Program Director	(.25 x $60,000)	$15,000
Total Salaries			$48,500
Fringe			$4,500
Total Request			$53,000

VI. Other

A. Litigation

NOT APPLICABLE

B. Licensure or Accreditation

The Society for Science and the Public (SSP) is the affiliated fair for the International Science and Engineering Fair (ISEF) and the Hawaii State Science and Engineering Fair (HSSEF). The ACADEMY is annually certified by SSP to conduct HSSEF. Since 1958 the Hawaii Academy of Science has been the only licensed organization that can operate the STATE Science Fair in Hawaii. The other district fairs in Hawaii are also "affiliated" with the SSP, but they operate under the general supervision of the HSSEF. All affiliated science fairs must operate under the Intel ISEF Rules and Guidelines and ensure that students and teachers are aware of these requirements as they begin research projects. The ACADEMY assures that all science fairs in Hawaii comply with these requirements.

C. Private Educational Institutions

No state funds will be used for the benefit of private educational institutions. The ACADEMY provides financial assistance to all the district science fairs in Hawaii, including the Hawaii Association of Independent Schools (HAIS). However, the Hawaii Academy of Science raises separate funds from private sources to provide private school students the opportunity to participate in the HSSEF.

D. Future Sustainability Plan

If we do not receive a Grant-in-Aid from the Legislature in the following year, we will seek funding, as we always have, from sources such those listed in item 3 on page 6 along with federal funds, private foundations and request for proposals that align with the Hawaii Academy of Science mission.

E. Certificate of Good Standing (If the Applicant is an Organization)

A copy of the Certificate of Good Standing is attached to this application.

BUDGET REQUEST BY SOURCE OF FUNDS
(Period: July 1, 2017 to June 30, 2018)

Applicant: Hawaii Academy of Science

BUDGET CATEGORIES	Total State Funds Requested (a)	Federal Grant (b)	Foundations (c)	Donations (d)
A. PERSONNEL COST				
1. Salaries	48,500			
2. Payroll Taxes & Assessments				
3. Fringe Benefits (RCUH est. 15%)	4,500			
TOTAL PERSONNEL COST	**53,000**			
B. OTHER CURRENT EXPENSES				
Hawaii State Science & Engineering Fair				
1. Insurance				5,000
2. Venue costs(space rental, food, AV) etc.	20,000	5,000	5,000	
3. Support for District Science Fairs		4,000	18,000	
4. Workshops (including neighbor island airf	2,000			5,000
5. Supplies, utilities, phone	1,000			6,000
6. Contracted support staff	5,000	15,000		
7. Technology (Web, database, videos)	5,000			
8. Professional fees for districts & state	12,000			5,000
9. Student Awards		6,000	14,000	5,000
10. Ground transportation to State Fair	1,000			
10. Operational expenses	1,000	30,000		
International Science & Engineering Fair				
1. Travel costs (mainland)	8,000			
2. Lodging	4,000			
3. Supplies for student projects	500			
4. Registration fees	3,000			
5. Duplication/printing	500			
6. Support staff (project reviewers)	2,000			
TOTAL OTHER CURRENT EXPENSES	**65,000**	**60,000**	**37,000**	**26,000**
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES				
E. CAPITAL				
TOTAL (A+B+C+D+E)	**118,000**	**60,000**	**37,000**	**26,000**

SOURCES OF FUNDING	
(a) Total State Funds Requested	118,000
(b) Federal Grant	60,000
(c) Foundations	37,000
(d) Donations	26,000
TOTAL BUDGET	**241,000**

Budget Prepared By:

Scott Robinson — 265-0059
Name (Please type or print) — Phone

Signature of Authorized Official — Date

Scott Robinson, Principal Investigator & Board Member
Name and Title (Please type or print)

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Period: July 1, 2017 to June 30, 2018

Applicant: Hawaii Academy of Science

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
Director	10% FTE	$70,000.00	5.00%	$ 3,500.00
Program Director	50% FTE	$60,000.00	25.00%	$ 15,000.00
Program Directorr - Science Fair Lead	100% FTE	$60,000.00	50.00%	$ 30,000.00
				$ -
Fringe for all 3 positions				$ 4,500.00
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
TOTAL:				53,000.00

JUSTIFICATION/COMMENTS:

DECLARATION STATEMENT OF APPLICANTS FOR GRANTS PURSUANT TO CHAPTER 42F, HAWAI'I REVISED STATUTES

The undersigned authorized representative of the applicant certifies the following:

1) The applicant meets and will comply with all of the following standards for the award of grants pursuant to Section 42F-103, Hawai'i Revised Statutes:

   a) Is licensed or accredited, in accordance with federal, state, or county statutes, rules, or ordinances, to conduct the activities or provide the services for which a grant is awarded;

   b) Complies with all applicable federal and state laws prohibiting discrimination against any person on the basis of race, color, national origin, religion, creed, sex, age, sexual orientation, or disability;

   c) Agrees not to use state funds for entertainment or lobbying activities; and

   d) Allows the state agency to which funds for the grant were appropriated for expenditure, legislative committees and their staff, and the auditor full access to their records, reports, files, and other related documents and information for purposes of monitoring, measuring the effectiveness, and ensuring the proper expenditure of the grant.

2) If the applicant is an organization, the applicant meets the following requirements pursuant to Section 42F-103, Hawai'i Revised Statutes:

   a) Is incorporated under the laws of the State; and

   b) Has bylaws or policies that describe the manner in which the activities or services for which a grant is awarded shall be conducted or provided.

3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawai'i Revised Statutes:

   a) Is determined and designated to be a non-profit organization by the Internal Revenue Service; and

   b) Has a governing board whose members have no material conflict of interest and serve without compensation.

Pursuant to Section 42F-103, Hawai'i Revised Statutes, for grants used for the acquisition of land, when the organization discontinues the activities or services on the land acquired for which the grant was awarded and disposes of the land in fee simple or by lease, the organization shall negotiate with the expending agency for a lump sum or installment repayment to the State of the amount of the grant used for the acquisition of the land.

Further, the undersigned authorized representative certifies that this statement is true and correct to the best of the applicant's knowledge.

Hawaii Academy of Science
(Typed Name of Individual or Organization)

[redacted]
(Signature)

01/18/2017
(Date)

Scott Robinson, PhD
(Typed Name)

Principal Investigator
(Title)

Hawaii Academy of Science
Balance Sheet
As of January 18, 2017

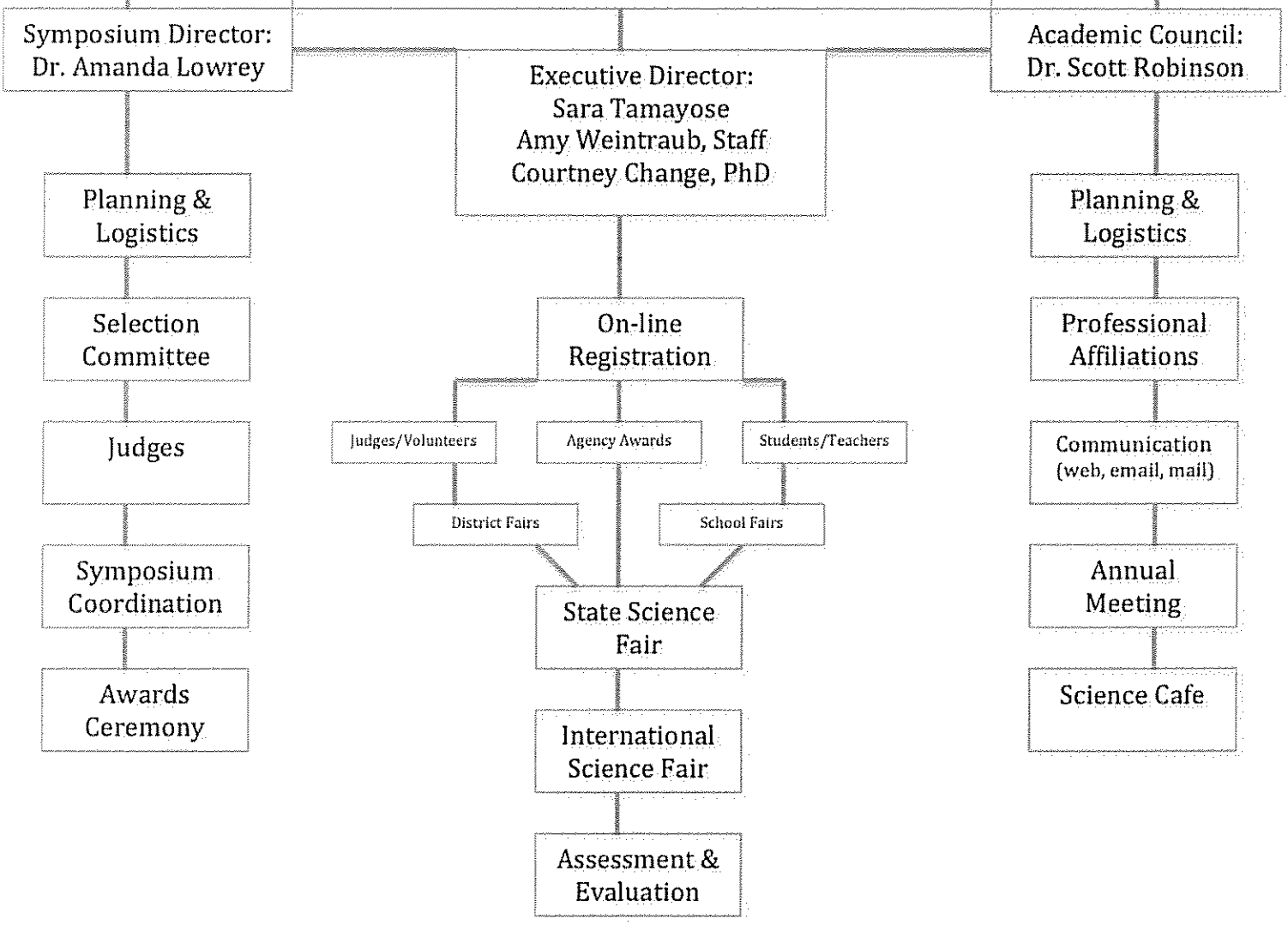
Hawaii Academy of Science
Balance Sheet
As of January 18, 2017

ASSETS		
Current Assets		
Checking/Savings		
1-1200 · RCUH Accounts		
1-1200A · Payroll Fund - 6705	$	25,000
1-1200F · NOAA Fund - 6830		13,833
1-1200G · PS3 Fund - 6834		10,000
Total 1-1200 · RCUH Accounts		48,833
1-1300 · Central Pacific Bank		500
1-1400 · ASB-PS3 Checking (8184)		11,114
1-1500 · ASB-Science Fair Checking(8183)		196,584
1-1600 · ASB - HAS Checking (6739)		78,599
Total Checking/Savings		335,630
Total Current Assets		335,630
TOTAL ASSETS		335,630
LIABILITIES & EQUITY		
Liabilities		
Current Liabilities		
Accounts Payable		
2000 · Accounts Payable		10,523
Total Accounts Payable		10,523
Other Current Liabilities		
4-1200 · Calcium Signaling Advances		1,325
4-1000 · Other Current Liability		1,581
Total Other Current Liabilities		2,906
Total Current Liabilities		13,430
Total Liabilities		13,430
Equity		
5-1100 · Retained Earnings		102,954
5-1200 · Opening Balance Equity		235,093
Net Income		(15,847)
Total Equity		322,201
TOTAL LIABILITIES & EQUITY	$	335,630

PROGRAM ORGANIZATIONAL CHART
Hawaii Academy of Science

Board of Directors (serve four year teams w/out compensation)
Fundraising Committee

Sharlene Tsuda, Chair
Dr. Andrea Fleig, Secretary
Kristen Yamane, Treasurer
Wayne Kamitaki, Past Chair
Lisa Nillos
Dr. Neal Atebara
Dr. Irvin King
Dr. Vassilis Syrmos
Dr. Scott Robinson
Manuel August, Jr.



Department of Commerce and Consumer Affairs

CERTIFICATE OF GOOD STANDING

I, the undersigned Director of Commerce and Consumer Affairs of the State of Hawaii, do hereby certify that

HAWAII ACADEMY OF SCIENCE

was incorporated under the laws of Hawaii on 11/19/2001 ; that it is an existing nonprofit corporation; and that, as far as the records of this Department reveal, has complied with all of the provisions of the Hawaii Nonprofit Corporations Act, regulating domestic nonprofit corporations.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Department of Commerce and Consumer Affairs, at Honolulu, Hawaii.

Dated: January 08, 2016

Director of Commerce and Consumer Affairs

To check the authenticity of this certificate, please visit: http://hbe.ehawaii.gov/documents/authenticate.html
Authentication Code: 245747-COGS_PDF-124294D2