

House District 23

Senate District 11

THE TWENTY-EIGHTH 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 LD. NO. (LEAVE BLANK IF UNKNOWN):

1. APPLICANT INFORMATION:

Legal Name of Requesting Organization or Individual:

Hawaii Academy of Science

Dbas:

Hawaii Academy of Science

Street Address:

1776 University Avenue UA4-4

Honolulu, HI 96822

Mailing Address: same

2. CONTACT PERSON FOR MATTERS INVOLVING THIS APPLICATION:

Name SARA TAMAYOSE

Title Director

Phone # 808-956-7930

Fax # 808-956-5183

E-mail acadsci@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:

HAWAII STATE SCIENCE & ENGINEERING FAIR

4. FEDERAL TAX ID #:

5. STATE TAX ID #:

7. AMOUNT OF STATE FUNDS REQUESTED:

FISCAL YEAR 2017: \$ 103,550.00

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 \$ _____
 COUNTY \$ _____
 PRIVATE/OTHER \$ 255,921.42

TYPE NAME & TITLE OF AUTHORIZED REPRESENTATIVE:

AUTHORIZED SIGNATURE

SCOTT ROBINSON, PRINCIPAL INVESTIGATOR

NAME & TITLE

01/20/16
DATE SIGNED



RECEIVED
1/22/16 MA

Application for Grants and Subsidies

I. Background and Summary

This section shall clearly and concisely summarize and highlight the contents of the request in such a way as to provide the State Legislature with a broad understanding of the request. Include the following:

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

Founded in 1925, the Hawaii Academy of Science (HAS) is a 501(c)(3) non-profit membership organization whose mission is to improve the quality of life of the people of Hawaii and the global community through the discovery of new knowledge and the intelligent application of this knowledge to the problems confronting human society. To this end the Academy sponsors scientific programs for both adults and youth in Hawaii. While the membership is comprised primarily of professional scientists, anyone interested in the goals of the Academy are welcome to join the organization. HAS is the state affiliate of the National Academies of Science (NAS) and the American Association for the Advancement of Science (AAAS), the world's largest general scientific society.

HAS has conducted the **Hawaii State Science & Engineering Fair (HSSEF)** each year since 1958. A science fair is a competition in which middle and high school students conduct scientific experiments and present their findings on a display board that explains the experiment and its outcomes. The entire science fair process takes almost a year to complete. Competition begins at the **School Level** where dedicated teachers guide their students in conducting scientific research. At the school fair a team of scientists reads the scientific reports and interviews each student before selecting the best projects in each of 22 science categories. The better projects advance to a **District Science Fair** where the projects are again judged by a team of scientists. District science fairs in Hawaii 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 better projects from the District Science Fairs then advance to the Hawaii State Science & Engineering Fair in Honolulu.

In May of each year the students with the best projects from each District Fair and the State Science Fair travel to the mainland to compete in the **Intel® International Science & Engineering Fair (ISEF)**. Intel® 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.

For the past five years our middle school students have also had an opportunity to compete in a national science competition. The **Broadcom MASTERS** (Math, Applied Science, Technology and Engineering for Rising Stars) program invites the top 10% of middle school science fair students to compete in a national competition that begins on

the Internet. Nationwide, 30 middle school student finalists earn expense-paid trips to Washington D.C. for further competition.

HAS also sponsors the **Pacific Symposium for Science and Sustainability (PS3)** which is similar to the Science Fair with one major difference: instead of preparing a display board to explain the research, students make oral presentations before an audience to explain their research. After each presentation a panel of scientists ask questions of the presenter to ascertain his or her depth of understanding of the research. In addition to the scientific merit of their research, students are judged on their spontaneity, speaking ability, and communication skills. Winners receive cash prizes and trips to the mainland to compete in the **Junior Science and Humanities Symposium (JSHS) Annual Competition** for even more scholarships and cash awards.

JSHS is a collaborative effort with the research arm of the Department of Defense and administered in cooperation with nationwide colleges and universities. JSHS aims to prepare and support students to contribute as future scientists and engineers -- conducting science and engineering research on behalf of or directly for the Department of Defense, the Federal research laboratories, or for the greater good in advancing the nation's scientific and technological progress.

HAS also has a professional agenda that includes membership meetings and the **Science Cafe**. The Science Cafe of Honolulu provides a channel for the public to become directly engaged in open, facilitated, curiosity-driven discussions about the scientific discoveries and new technologies that fascinate, befuddle, enlighten, terrify, and otherwise amuse us. The Science Cafe is open to the public--- the goal is not to create a club meeting for scientists, but to make science accessible to the general public. For this reason Science Cafes across the nation have been described as "taking science to the streets." Bi-monthly sessions are held in a local restaurant and topics can range from the origins of the universe to mysteries beneath the oceans to the ethical dilemmas created by new technologies. Each Science Cafe begins with a brief presentation by a research scientist to define the topic; this is followed by a discussion that is open to everyone.

2. The goals and objectives related to the request.

The term "goal" is usually defined to be a vague, long-term ideal, and an "objective" is defined to be a short-term, more specific outcome.

GOAL: The goal is increase the number of students in Hawaii pursuing college degrees in STEM related fields of study, thereby contributing to a more scientifically literate workforce for Hawaii, the nation, and the international community.

OBJECTIVE A: To inform and prepare 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 B: To provide financial support to the eight public school district science fairs in Hawaii.

OBJECTIVE C: To encourage, recognize, and reward students who demonstrate excellence in scientific research through awards.

OBJECTIVE D: To provide students with an opportunity to conduct in-depth and comprehensive science investigations that extend beyond what is possible during the regular school day.

OBJECTIVE E: To provide the opportunity for students to interact with scientists in Hawaii.

3. The public purpose and need to be served.

When the National Science Fair (now the International Science & Engineering Fair) was established in 1950, its stated purpose was to increase the number of students who enrolled in science degree programs in college. That purpose has not changed: the public purpose to be served in conducting the Science Fair is still the recruitment of more pre-college students who will pursue science, technology, engineering, and math fields in college. 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.

This 66-year old goal is consistent with more recent national concerns to increase STEM education. The acronym STEM stands for Science, Technology, Engineering, and Mathematics. The STEM fields are those academic and professional disciplines that fall under the umbrella areas represented by the acronym. According to both the United States National Research Council and the National Science Foundation, the fields are collectively considered core technological foundations of an advanced society. The strength of the STEM workforce is viewed as an indicator of a nation's ability to sustain itself. HAS 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 secondary students in Hawaii, regardless of where they reside or to which public school they attend. Students who are enrolled in private schools and those who are home schooled are also encouraged to participate. Funding to support participants from private and home school settings is sought from private corporations and donors. Both the Science Fair and the Symposium are extra-curricular programs that extend beyond the school day and the school curriculum. Each year approximately 5,000 students in Hawaii participate in these programs.

5. Describe the geographic coverage.

The Science Fair program serves the entire State of Hawaii. Students on all islands are encouraged to participate, and, with the exception of Niihau, students from all islands usually do participate.

II. Service Summary and Outcomes

The Service Summary shall include a detailed discussion of the applicant's approach to the request. The applicant shall clearly and concisely specify the results, outcomes, and measures of effectiveness from this request. The applicant shall:

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 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 Intel® 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: INFORMATION AND 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 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. Consultants are hired to set up and operate the 4D Database that houses the data for the HSSEF.

PHASE 2: FUNDRAISING AND AWARD SPONSORS (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 sponsors of awards, and new proposals are written to solicit new donors and award sponsors. 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.

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

The School and District Science Fairs are held during these months as students present their science investigations that they have been working on since the beginning of the school year. Much of their work is completed outside of school hours. Many are fortunate to work with mentors who provide them opportunities for in-depth investigations. All projects are entered on-line using the HAS registration database. Winners from school fairs advance to district fairs then the top 25% of these projects are eligible to participate in the State Fair. Many students continue to run additional trials, modify their projects after school hours for the next level of competition. Final preparations are made for the HSSEF. 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: STUDENT INTERACTION WITH SCIENTISTS AT HSSEF and ISEF (April - June).

HSSEF and ISEF provide opportunities for students to interact with scientist who serve as judges. Judges are scientists from business, industry and education who interview students at their projects. These judges provide oral and written feedback regarding the quality of the projects, they also share their passion for science encouraging our students to explore STEM opportunities.

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

We list here one major goal and five objectives listed in Section 1 above. For each we indicate how the objective will be monitored and evaluated.

We divide our program operations into the four overlapping phases listed in the previous section. To illustrate the process we use to evaluate our program, we have included the following table that contains one objective from each phase of our program.

Goal: To increase the number of students in Hawaii pursuing college degrees in STEM related fields of study, thereby contributing to a more scientifically literate workforce for Hawaii, the nation and the international community.

Phase / Objective	Monitoring objective	Evaluation methods	Proposed Improvements
Phase 1 – INFORMATION AND PREPARATION •Communicate and prepare teachers for science fair season	Verify that communications have been received through visits to schools, checking with teachers	Calculate the percentage of teachers who join the science fair	Improve communication to include social media Provide requested support

Phase 2 - FUNDRAISING AND AWARD SPONSORS A. Support public school district fairs	Ensure that funds have been received by districts	Review of use of funds submitted by districts	Review gaps in spending / use of funds and revise method of funding
Phase 2 - FUNDRAISING AND AWARDS SPONSORS B. Recognize students with awards	Record number of students receiving awards at HSSEF	Calculate percentage of students receiving awards	Increase number of students receiving awards and solicit new award sponsors
Phase 3 – STUDENT ENGAGEMENT AT SCHOOL/DISTRICT SCIENCE FAIRS •Provide opportunity for in-depth investigation beyond the school day	Register students for school/district and state fair through on- line registration	Calculate the number of students who participate in school/district/state fair	Increase number of participants from previous year
Phase 4 – STUDENT INTERACTION WITH SCIENTISTS AT HSSEF / ISEF •Provide opportunity for students to interact with scientists	Ensure that scientists sign project interview sheets	Calculate percentage of students who are interviewed by three or more scientists	Recruit more scientist to serve as judges if number of interviews is insufficient

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

Assessment of Goal

GOAL: To increase the number of students in Hawaii pursuing college degrees in STEM-related fields of study.

PROCEDURE: Students will complete a survey during the judging session. They will be asked to indicate what they intend to major in at the college level.

MEASURE OF EFFECTIVENESS: The percentage of students indicating they intend to major in STEM-related college programs.

Assessment of Objectives

PHASE I: INFORMATION AND PREPARATION

OBJECTIVE A: To inform and provide support to all secondary science teachers of the opportunities the Science Fair offers their students, regardless of their geographic location or island of residence.

PROCEDURE: Examine mailing and emails that were sent to verify that all information was sent to every secondary school in Hawaii and collect workshop participant data.
MEASURE OF EFFECTIVENESS: The percentage of schools receiving notification and or participating in season workshops and activities.

PHASE II: FUNDRAISING AND AWARD SPONSORS

OBJECTIVE B: To provide financial support to the eight public school district science fairs in Hawaii.

PROCEDURE: Determine the amount of money given to the neighbor island district science fairs.

MEASURE OF EFFECTIVENESS: The number of district science fairs conducted and the number of district students attending the HSSEF in Honolulu.

OBJECTIVE C: To encourage, recognize, and reward students who demonstrate excellence in scientific research through awards.

PROCEDURE: Total number of awards sponsors plus the number of students receiving an award and the total dollar amount of all awards will be recorded.

MEASURE OF EFFECTIVENESS: The number of students receiving awards and the total dollar value of awards.

PHASE III: STUDENT ENGAGEMENT AT SCHOOL & DISTRICT SCIENCE FAIRS

OBJECTIVE D: To provide students with an opportunity to conduct in-depth and comprehensive science investigations that go beyond what is possible during the regular school day.

PROCEDURE: Students will complete a survey as part of the registration process on which they will be asked how much time they devoted to their projects and if it extended beyond the school day.

MEASURE OF EFFECTIVENESS: The percentage of students who worked on their projects beyond the school day.

PHASE IV: STUDENT INTERACTION WITH SCIENTISTS AT HSSEF AND ISEF

OBJECTIVE E: To provide an opportunity for students to interact with scientists in Hawaii.

PROCEDURE: Each judge who interviews a student signs a sheet attached to the student's project.

MEASURE OF EFFECTIVENESS: The percentage of students who were interviewed by at least three (3) scientists.

III. Financial

Budget

- 1. The applicant shall submit a budget utilizing the enclosed budget forms as applicable, to detail the cost of the request. Budget is attached.**

2. **The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2017.**

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$30,000	\$30,000	\$23,550	\$20,000	\$103,550

3. **The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2016.**

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; Chevron; Edward Enterprises; Finance Factors; First Hawaiian Bank Foundation; 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.; Kiewit Building Group; McInerney 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; Wilcox Foundations; the Yokouchi 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.**
A NOAA five-year grant in the amount of \$250,000 expires in July 2016.
6. **The applicant shall provide the balance of its unrestricted current assets as of December 31, 2015.** Balance Sheet is attached.

IV. Experience and Capability

A. Necessary Skills and Experience

The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request. State your experience and appropriateness for providing the service proposed in this application. The applicant shall also provide a listing of verifiable experience of related projects or contracts for the most recent three years that are pertinent to the request.

The Hawaii Academy of Science has conducted the HSSEF and has sent students to the International Science Fair every year since 1958. Working protocols have been developed for every phase of the program. We think this clearly demonstrates 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 HSSEF venue was changed to the Hawaii Convention Center. In 2017, 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 applicant shall describe the proposed staffing pattern and proposed service capacity appropriate for the viability of the request. The applicant shall provide the qualifications and experience of personnel for the request and shall describe its ability to supervise, train and provide administrative direction relative to the request.

SALARIED STAFF. The salaried staff consists of one half time Director and one full time Assistant Director. **Sara Tamayose** serves as the Director of Science Fair. Sara has been with the HSSEF for six years. Prior to that Sara was a teacher with the Hawaii State Department of Education. She also has experience as a technology curriculum integration specialist in Education. **Amy Weintraub** serves as a full-time assistant to Sara. Amy has been assisting with the science fair for the past six years. Prior to joining the HAS staff Amy worked for non-profit organizations where she specialized in event planning and fund raising.

BOARD MEMBERS. Ten board members take an active role in the Hawaii Academy of Science, including: Chair **Dr. Andrea Fleig, PhD**, Director, Clinical Research, Queen's Medical Center; Vice-Chair **Sharlene Tsuda**, VP of Community Development, Queen's Medical Center; Past-Chair: **Wayne Kamitaki**, CEO of Maui Varieties, LCC;

Treasurer: **Kristen Yamane**, a Corporate Development Planner at The Queen's Health Systems; Board Member **Dr. Neal Atebara, MD**, and Director of the Retina Center of Hawaii at Queen's Medical Center; Board Member **Manny August Jr.**, Wells Fargo; Board Member **Ross Murakami**, a partner with KMH LLP; Board Member **Scott Robinson, PhD**, a Science Specialist in the College of Education, serves as the Principal Investigator of Educational Programs; Board Member **Vassilis Syrmos, PhD**, University of Hawaii, Vice President of Research & Innovation; and Board Member **Irv King, PhD**, Retired, University of Hawaii.

Together these dedicated members of the HAS provide the historical perspective, scientific expertise, business acumen, and managerial experience that make up a strong management team.

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

VOLUNTEERS. And finally, 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

The applicant shall provide the annual salaries paid by the applicant to the three highest paid officers, directors, or employees of the organization by position.

We have two employees, one full time and another at 48% time.

Sara Tamayose	Director	(.48 x \$72,500)	\$34,800
Amy Weintraub	Asst. Director	(1.0 x \$48,789)	\$48,789
TOTAL			\$83,589

VI. Other

A. Litigation

The applicant shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgment. If applicable, please explain.

NOT APPLICABLE

B. Licensure or Accreditation

The applicant shall specify any special qualifications, including but not limited to licensure or accreditation that applicant possesses relevant to this request.

The Society for Science and the Public (SSP) is the licensing agency for the International Science and Engineering Fair (ISEF) and the Hawaii State Science and Engineering Fair (HSSEF). The ACADEMY is the exclusive licensee for the State of Hawaii, and 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

The applicant shall specify whether the grant will be used to support or benefit a sectarian or non-sectarian private educational institution. Please see Article X, Section 1, of the State Constitution for the relevance of this question.

The grant will be used solely to support the Science Fair activities of students in the public schools of Hawaii. No funds are used for the benefit of private educational institutions. 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

The applicant shall provide a plan for sustaining after fiscal year 2016-17 the activity funded by the grant if the grant of this application is:

- (1) Received by the applicant for fiscal year 2016-17 but**

(2) Not received by the applicant thereafter.

If we do not receive funding from the Legislature in the following year, we will seek funding, as we always have, from sources such as the following: Ace Hardware; AECOM Technology Corporation; AIO Foundation; Armed Forces Communications; ASME-HI; Bank of Hawaii Foundation; Ben Franklin Crafts; Carrier Hawaii; Chevron; Edward Enterprises; Finance Factors; First Hawaiian Bank Foundation; 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.; Kiewit 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; Wilcox Foundations; the Yokouchi Foundation; plus many individuals in the community.

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

If the applicant is an organization, the applicant shall submit one (1) copy of a certificate of good standing from the Director of Commerce and Consumer Affairs that is dated no earlier than December 1, 2015.

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

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2016 to June 30, 2017

Appl

Hawaii Academy of Science

BUDGET CATEGORIES	Total State Funds Requested (a)	Total Federal Funds Requested (b)	Total County Funds Requested (c)	Total Private/Other Funds Requested (d)
A. PERSONNEL COST				
1. Salaries				
2. Payroll Taxes & Assessments				
3. Fringe Benefits				
TOTAL PERSONNEL COST				
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island	3,000			
2. Insurance				3,000
3. Lease/Rental of Equipment				
4. Lease/Rental of Space for State Fair	28,000			9,000
5. Staff Training				
6. Supplies				
7. Telecommunication	2,000			
8. Utilities				
9. Support for District Fairs				18,000
10. Professional fees for district & state	7,300			
11. Contracted IT/staff support for State Fair	53,000			
12. Student Awards for State Fair				19,000
13. Operational expenses for State Fair				30,500
14. Travel Costs for 2017 International Fair - Los Angeles, CA	3,250			
15. Food & Lodging for International Fair	3,500			
16. Registration Fees for International Fair	3,500			
17				
18				
19				
20				
TOTAL OTHER CURRENT EXPENSES	103,550			79,500
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES				
E. CAPITAL				
TOTAL (A+B+C+D+E)	103,550			79,500
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	103,550	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p style="font-size: 1.2em; margin: 0;">Scott Robinson</p> <p style="font-size: 0.8em; margin: 0;">Name (Please type or print)</p> </div> <div style="width: 35%;"> <p style="font-size: 0.8em; margin: 0;">(808) 341-0265</p> <p style="font-size: 0.8em; margin: 0;">Phone</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> <p style="font-size: 0.8em; margin: 0;">[Redacted Signature]</p> <p style="font-size: 0.8em; margin: 0;">Signature of Authorized Official</p> </div> <div style="width: 35%;"> <p style="font-size: 0.8em; margin: 0;">01/20/16</p> <p style="font-size: 0.8em; margin: 0;">Date</p> </div> </div>		
(b) Total Federal Funds Requested				
(c) Total County Funds Requested				
(d) Total Private/Other Funds Requested	79,500			
TOTAL BUDGET	183,050	Scott Robinson, Principal Investigator Name and Title (Please type or print)		

**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAII 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, Hawaii 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, Hawaii 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, Hawaii 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, Hawaii 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)



(Signature)

01/20/16

(Date)

Scott Robinson
(Typed Name)

Principal Investigator
(Title)



Hawaii Academy of Science
Balance Sheet
As of December 31, 2015

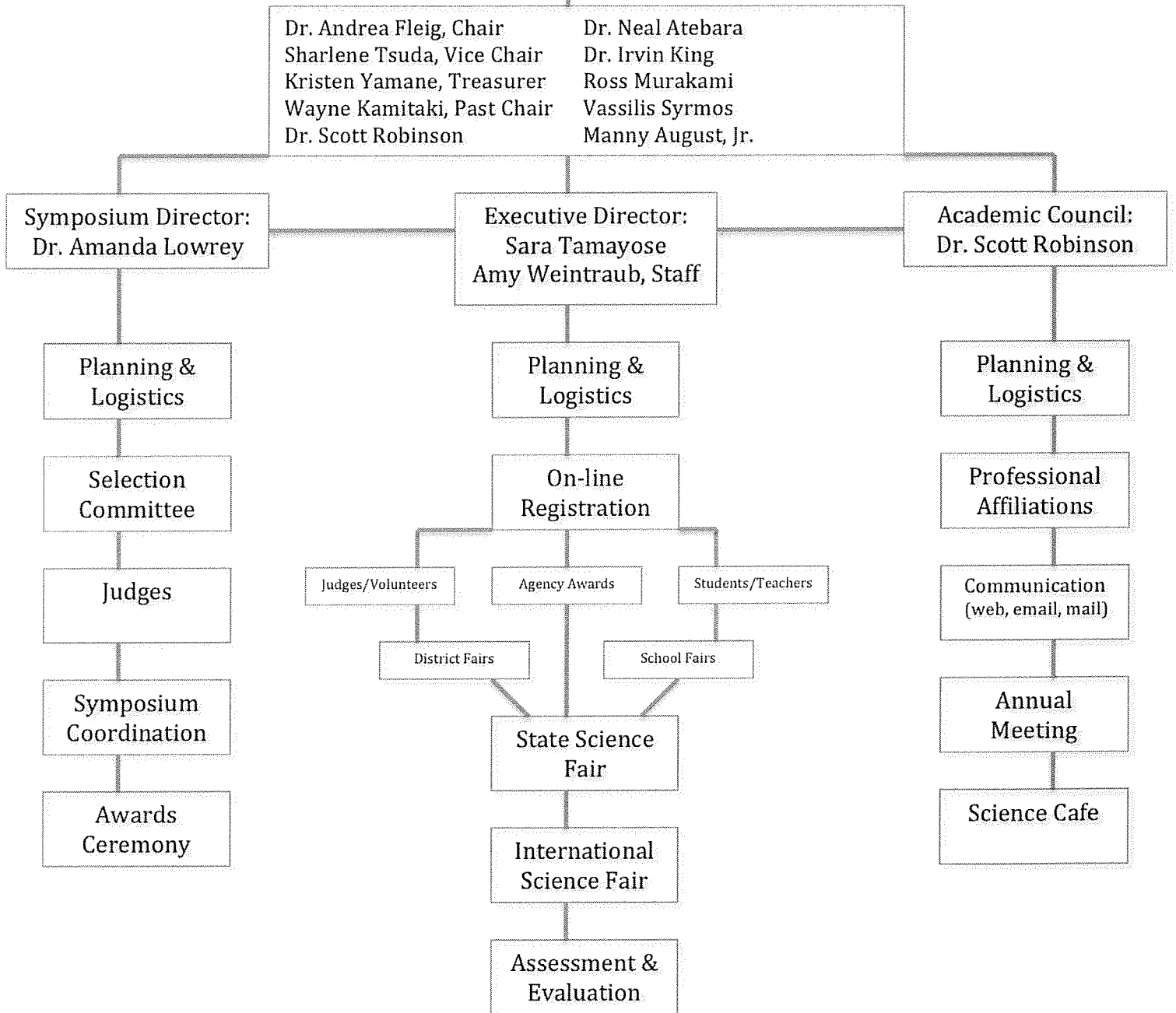
	Dec 31, 14	Jan 31, 15	Feb 28, 15	Mar 31, 15	Apr 30, 15	May 31, 15	Jun 30, 15	Jul 31, 15	Aug 31, 15	Sep 30, 15	Oct 31, 15	Nov 30, 15	Dec 31, 15
ASSETS													
Current Assets													
Checking/Savings	3,979.89	3,979.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-1100 - ASB-HAS Checking old account													
1-1200 - RCJH Accounts	17,245.09	17,245.10	17,245.07	17,245.10	17,245.06	17,245.09	17,245.09	15,974.74	14,972.01	14,960.71	14,949.39	14,949.39	14,949.39
1-1200A - Payroll Fund - 6705	10,161.45	5,430.80	3,805.15	9,549.76	6,012.16	7,566.51	4,925.86	1,952.21	6,569.56	15,743.91	11,603.91	8,352.60	6,728.95
1-1200B - NCAA Fund - 6754	20,000.00	2,806.94	807.91	807.91	807.91	807.91	807.91	807.91	0.00	0.00	0.00	0.00	0.00
1-1200D - PSS Fund - 6809	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-1200E - PSS Fund - 6825													
Total 1-1200 - RCJH Accounts	47,406.54	25,482.84	21,858.13	27,602.77	26,065.15	25,639.51	22,978.86	16,977.86	23,541.57	30,704.62	26,553.30	23,302.02	31,676.34
1-1300 - Central Pacific Bank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00	500.00	500.00	500.00	500.00
1-1400 - ASB-PSS Checking (6184)	3,072.66	1,971.10	1,971.10	1,971.10	1,971.10	1,971.10	1,971.10	1,971.10	2,779.01	9,308.37	9,308.37	9,308.37	9,268.87
1-1500 - ASB-Science Fair Checking(6183)	236,410.60	226,469.26	231,923.71	225,943.49	166,410.10	308,545.91	406,000.10	262,385.65	280,333.49	243,040.36	278,919.94	298,599.30	299,023.72
1-1600 - ASB - HAS Checking (6739)	67,023.72	70,669.41	63,434.73	67,641.90	65,296.62	57,229.70	44,838.84	179,716.53	169,612.75	202,640.24	207,552.31	202,474.69	196,985.11
Total Checking/Savings	359,893.41	328,572.50	319,187.67	323,159.26	259,741.97	393,386.22	475,586.90	457,061.14	472,966.82	486,193.59	522,634.12	534,094.37	537,066.04
Other Current Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-1000 - Other Current Assets													
2-1100 - Other Current Receivables	0.00	0.00	0.00	0.00	0.00	3,191.01	3,285.31	1,986.10	1,986.10	1,986.10	0.00	0.00	0.00
Total 2-1000 - Other Current Assets	0.00	0.00	0.00	0.00	0.00	3,191.01	3,285.31	1,986.10	1,986.10	1,986.10	0.00	0.00	0.00
Total Other Current Assets	0.00	0.00	0.00	0.00	0.00	3,191.01	3,285.31	1,986.10	1,986.10	1,986.10	0.00	0.00	0.00
Total Current Assets	359,893.41	328,572.50	319,187.67	323,159.26	259,741.97	396,577.23	478,872.21	459,047.24	474,952.92	488,193.59	522,634.12	534,094.37	537,066.04
Fixed Assets													
3-1100 - Furniture and Equipment	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56
Total Fixed Assets	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56	349.56
TOTAL ASSETS	360,242.97	328,922.06	319,537.23	323,508.82	260,091.53	396,926.79	479,221.77	459,396.80	475,302.48	486,543.15	523,183.68	534,443.93	537,415.60
LIABILITIES & EQUITY													
Liabilities													
Current Liabilities	0.00	0.00	0.00	0.00	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26
4-1000 - Other Current Liability													
Total Other Current Liabilities	0.00	0.00	0.00	0.00	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26
Total Current Liabilities	0.00	0.00	0.00	0.00	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26	6,227.26
Equity													
5-1100 - Retained Earnings	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96	-146,978.96
5-1200 - Opening Balance Equity	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83	285,258.83
Net Income	221,963.10	190,642.19	181,257.26	185,228.93	119,624.40	334,714.64	453,169.54	469,075.22	480,315.69	486,543.15	523,183.69	534,443.93	537,415.60
Total Equity	360,242.97	328,922.06	319,537.23	323,508.82	260,091.53	396,926.79	479,221.77	459,396.80	475,302.48	486,543.15	523,183.69	534,443.93	537,415.60
TOTAL LIABILITIES & EQUITY	360,242.97	328,922.06	319,537.23	323,508.82	260,091.53	396,926.79	479,221.77	459,396.80	475,302.48	486,543.15	523,183.69	534,443.93	537,415.60

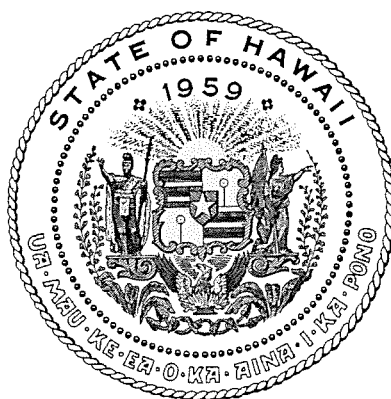


PROGRAM ORGANIZATIONAL CHART

Hawaii Academy of Science

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





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