



UNIVERSITY
of HAWAII®

David Lassner
President

DEPT. COMM. NO. 128

December 6, 2022

The Honorable Ronald D. Kouchi,
President and Members of the Senate
Thirty-Second State Legislature
Honolulu, Hawai'i 96813

The Honorable Scott Saiki, Speaker
and Members of the House of Representatives
Thirty-Second State Legislature
Honolulu, Hawai'i 96813

Dear President Kouchi, Speaker Saiki, and Members of the Legislature:

For your information and consideration, the University of Hawai'i is transmitting one copy of the Annual Report on the Research and Training Revolving Fund (Section 304A-2253, Hawai'i Revised Statutes) as requested by the Legislature.

In accordance with Section 93-16, Hawai'i Revised Statutes, this report may be viewed electronically at: <https://www.hawaii.edu/offices/government-relations/2023-legislative-reports/>.

Should you have any questions about this report, please do not hesitate to contact Stephanie Kim at 956-4250, or via e-mail at scskim@hawaii.edu.

Sincerely,

A handwritten signature in black ink that reads "David Lassner".

David Lassner
President

Enclosure

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UNIVERSITY OF HAWAI‘I SYSTEM ANNUAL REPORT



REPORT TO THE 2023 LEGISLATURE

Annual Report on the
Research and Training Revolving Fund

HRS 304A-2253

November 2022

ANNUAL REPORT ON THE RESEARCH AND TRAINING REVOLVING FUND 2021-2022

INTRODUCTION

The Research and Training Revolving Fund continues to be very effective in stimulating research, which results in extramural contracts and grants. This report summarizes the investments of the Fund for 2021-2022 and indicates the effectiveness of this support. Procedures for awarding grants from the Fund were the same as in previous years.

The Governor's approved guidelines for the administration and investments of the Fund:

1. The funds were administered by the Vice President for Research & Innovation (VPRI), the UH Mānoa Vice Provost for Research and Scholarship (VPRS), and the University Research Council within the general guidelines approved by the University President.
2. The funds were administered in the four categories described under Part I – Fund Investments.

FUND INVESTMENTS

Pursuant to HRS Section 304A-2253, \$53,098,192.91 was deposited into the Research and Training Revolving Fund and invested as follows:

1. Scholarly Development Fund

The Scholarly Development Fund serves two purposes. The first is to provide seed money support to develop research projects or training programs for extramural funding. The second is to provide travel funds for University professionals that enable them to communicate research and new ideas at international, national or regional meetings, and to permit contact with extramural funding agencies.

NOTE: Due to COVID-19 pandemic, travel was restricted for part of FY 2022.

Investments

A total of \$55,040.00 was invested in Professional Travel by the UH Mānoa VPRS distributed as follows:

The Council reviewed 47 travel requests and made 47 awards totaling \$55,040.00. Table 1 lists the Professional Travel recipients.

A total of \$23,734.49 was invested in Professional Travel for UH West O'ahu and was distributed as follows:

The Council reviewed 24 travel requests and made 24 awards totaling \$23,734.49. Table 2 lists the Professional Travel recipients.

Investments for 2021-2022: \$78,774.49

2. Facilitating Services Fund

The Facilitating Services Fund is used to support the research, instruction and public service missions of the University units that generated overhead revenue.

The fund is invested in proportion to the overhead revenue generated by each of the units.

Effective FY 1999, the Deans and Directors of the units were granted the authority to expend these funds at their own discretion.

Investments

A total of \$35,734,862.00 was invested in the fund. Table 3 lists the distribution by unit.

Investments for 2021-2022: \$35,734,862.00

3. Project Development Fund

The Project Development Fund is used to facilitate research and training in new or developing fields, provide matching funds for the acquisition of research equipment, and to promote participation in professional organizations.

Investments

The UH Mānoa VPRS made 29 awards totaling \$3,810,915.32. Table 4 lists the Project Development Fund recipients.

\$0 was invested in the Student Excellence in Research Awards by the UH Mānoa VPRS. For FY 2022, other sources of funds were used for the awards. Table 5 lists the Student Excellence in Research Awards recipients.

Investments for 2021-2022: \$3,810,915.32.

4. Vice President for Research and Innovation Investments:

A total of \$10,305,363 was invested for research support and services, including \$5,309,819 paid to RCUH for procurement and HR services for the University's extramural funds.

<u>Description</u>	<u>FY 2022</u>
RCUH Management Fees	5,309,819
A-133 Audit	292,787
Office of the VP for Research and Innovation	1,042,997
Office of Research Services	1,778,206
Office of Innovation and Commercialization	764,573
Office of Research Compliance	1,117,281
TOTAL	10,305,663

The VPRI made 23 awards totaling \$3,610,954.92 in support of programs summarized in Table 6.

Investments for 2021-2022: \$13,916,617.92

5. Summary of Investments

	<u>Allocation</u>	<u>Carry Forwards / Adjustments</u>	<u>Total Available</u>	<u>Expenditures</u>	<u>Committed to be Spent</u>	<u>Available Balance</u>
Professional Travel	-	391,934	391,934	55,894	336,040	-
Facilitating Services Project Development Fund	28,608,865	28,333,838	56,942,703	22,272,761	34,669,941	-
Vice Chancellor for Research	7,125,998	6,744,859	13,870,856	3,753,345	10,117,512	-
Student Excellence in Research Awards	-	-	-	-	-	-
Vice President for Research & Innovation	7,338,455	(3,479,827)	3,858,628	1,792,131	2,066,498	-
Research Services RCUH Management Fee	4,715,057	(377,739)	4,337,318	3,945,181	392,137	-
	5,309,819		5,309,819	5,309,819	-	-
TOTAL	53,098,193	31,613,066	84,711,259	37,129,131	47,582,128	-

RESULTS OF SEED MONEY AND PROFESSIONAL TRAVEL AWARDS

1. Extramural Awards to Recipients of Seed Money

Recipients of these funds are actively seeking new sources to support their research. The Scholarly Development Fund (“Fund”) is very important in this connection, especially for younger faculty not yet having established a track record. Once they have initiated research with seed money, they can cite initial results, and thus make a much stronger case for receiving additional support.

Results from seed money are not always immediate, but may occur sometime after a seed money award. The results reported herein thus may be due to funds invested in earlier years. The Fund was initiated in 1975.

The Research Council awards for seed money from the Fund give due consideration to the potential for generating extramural support. Faculty receiving seed money awards must indicate their plans for extramural funding to further research. During the last fiscal year, no awards were given for seed money.

2. Extramural Awards to Faculty Receiving Travel Support

The recipients of these travel awards are all productive scholars with active research agendas. The presentation of their research results at major professional meetings allows the investigators to meet with potential sponsors and exchange ideas with colleagues. It also exposes the broader professional community, including funding agencies, to the work being accomplished at the University of Hawai'i, results in increased professional recognition of investigator and the University, and leads to additional funding.

TOTAL EXTRAMURAL SUPPORT FOR RESEARCH/TRAINING, 2021-2022

Attached summary table, Table 7 for research and non- research projects, each of which gives comparative figures for awards made to the University, the past five years. In 2021-2022, research awards worth \$269,968,449 and training awards worth \$235,050,685 were received.

CONCLUSIONS:

As summarized in this report, the Research and Training Revolving Fund is essential to the effective operation of the programs administered through this office. It is one of the most important sources of support this University has. The Governor and the Legislature should be commended for their foresight in establishing the Fund as an investment in the health of research and training at the University, and for the provision of the additional funds for equipment, repairs and maintenance.

Respectfully submitted,

Vassilis L. Syrmos
Vice President for Research & Innovation

Attachments

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Table 1
2021-2022 Professional Travel Awards Annual Report – Mānoa

Count	Last Name	First Name	Rank	Amount Requested	Amount Approved	Department	Conference	Title of Presentation
1	Andersen	Lori	S3	\$ 3,141.00	\$ 2,000.00	Curriculum Research Development Group	National Association of Research in Science Teaching	From Practical to Metacognitive Strategy: Metaepistemic Discourse and Crosscutting Concept Supports in Curriculum
2	Blackwell	Jennifer	I3	\$ 195.00	\$ 195.00	Music	International Symposium on Performance Science	A PRISMA Review of Research on Feedback in Music Education and Music Psychology
3	Boeckman	Jeffrey	I5	\$ 2,321.50	\$ 1,200.00	Music	Western / Northwestern College Band Directors National Association Regional Conference	University of Hawaii Wind Ensemble - Symphony of the Hawaiian Birds (and the next one)
4	Heyduk	Caroline	I3	\$ 1,805.00	\$ 1,805.00	School of Life Sciences	Society of Integrative and Comparative Biology	Preliminary results on local adaptation in Joshua trees (<i>Yucca brevifolia</i>)
5	Julien-Chinn	Francie	I3	\$ 1,150.00	\$ 1,150.00	Social Work	26th Annual Conference of the Society for Social Work and Research	Understanding Strengths and Protective Factors of Previously Houseless Native Hawaiian and Micronesian Families
6	Kantar	Michael	R4	\$ 1,798.00	\$ 1,400.00	Tropical Plant and Soil Science	2021 International Annual Meeting of the American Society of Agronomy, Crop Science Society of America and the Soil Science Society of America	Agroecological Transition Functions: A Meta-Systematic Unifying Framework for Sustainable Agriculture
7	Kehl	Adam	I3	\$ 1,917.25	\$ 1,500.00	Music	Missouri Music Educators Association State Conference	Groundwork: Maximizing Your Music Education Inside and Outside the Classroom
8	Lee	Yeonjung	I3	\$ 530.00	\$ 530.00	Social Work	Society for Social Work and Research 26th Annual Conference	Disparities in Self-Rated Memory By Occupation Among Native Hawaiian and Other Pacific Islander Older Adults
9	Nakamura	Brad	I5	\$ 340.00	\$ 340.00	Psychology	Annual Convention of the Association for Behavioral and Cognitive Therapies	Asian and Native Hawaiian/Pacific Islander parents and their attitudes towards and intentions to use youth mental health services
10	Ooi	Phillip	I5	\$ 3,171.00	\$ 1,200.00	Civil and Environmental Engineering	2022 Transportation Research Board (101st) Annual Meeting	Use of Low-Activity Nuclear Density Gauge in Iron Oxide-Rich Soils
11	Taira	Brooke	I3	\$ 1,350.00	\$ 1,350.00	Curriculum Studies	71st Literacy Research Association Annual Conference	Deconstructing Classroom Literacies: Exploring the Practices of a Newcomer Student in a Secondary English Classroom
12	Wu	Yan Yan	I4	\$ 887.00	\$ 887.00	Public Health Studies	The Gerontological Society of America 2021 Annual Scientific Meeting	Disparities in Dental Service Use Among Adult Populations in the United States
13	Zhang	Wei	I5	\$ 469.00	\$ 469.00	Sociology	The Gerontological Society of America 2021 Annual Scientific Meeting	Trends in Leisure Time Activity Participation among Young-Old Adults in China
14	Smith	Monica	I3	\$ 1,985.00	\$ 1,500.00	Institute for Teacher Education	American Educational Research Association Annual Meeting	Preparing Teacher Candidates to work with Micronesian Students: Culturally Responsive Teaching in a Hawaii PDS

**Table 1
2021-2022 Professional Travel Awards Annual Report – Mānoa**

Count	Last Name	First Name	Rank	Amount Requested	Amount Approved	Department	Conference	Title of Presentation
15	Stilgenbauer	Judith	I5	\$ 1,200.00	\$ 1,000	School of Architecture	The CELA 2022 Conference, Evolving Norms: Adapting Scholarship to Disruptive Phenomena	South Shore Promenade: Nature-based Adaptation Solutions Inspired by Native Hawaiian Biocultural Land-Water Practices
16	Godwin-Jones	Margaret	S2	\$ 1,200.00	\$ 1,200	Center for Language and Technology	American Association of Teachers of Slavic and East European Languages	Kino and Russian Rock: Collaboration and Culture Learning through an Online Game
17	Freynik	Suzanne	S2	\$ 1,150.00	\$ 1,200	Language Flagship Technology Innovation Center	Annual American Association of Teachers of Slavic and East European Languages	Creative Uses of Learning Management Systems during the Covid-19 Pandemic and Beyond
18	Yagi	Seanyelle	I4	\$ 2,407.40	\$ 125.00	Curriculum Research & Development Group	49th Annual Conference of Research Council on Mathematics Learning	Preservice Teachers' Lessons: A Study of Mathematics Knowledge for Teaching
19	Stepec	Joseph	I3	\$ 820.00	\$ 820.00	Music	Guest Artist Residency, Concordia Orchestra, Concordia College	Guest Conducting Young Adults' Information Seeking About the COVID-19 Pandemic: Applying the Theory of Motivated Information Management
20	Hubbard	Amy	I5	\$ 1,878.98	\$ 1,200.00	Communicology	Western States Communication Association Convention	Tech culture: Exploring the culture around technology use in the urban planning
21	Milz	Dan	I3	\$ 1,949.50	\$ 1,950.00	Urban and Regional Planning	50th Annual Conference of the Urban Affairs Association	A Psychometric Investigation of the Conceptual Structure of the Revised National Survey of Student Engagement
22	Miranda	Jessica	S3	\$ 3,191.00	\$ 1,200.00	Educational Psychology	2022 American Educational Research Association (AERA) Annual Meeting	A Model for Integrating Family Engagement Knowledge and Strategies into Courses for Aspiring Educators
23	Ratliffe	Katherine	I5	\$ 1,797.00	\$ 750.00	Educational Psychology	American Educational Research Association Annual Conference	The Unaccounted Students of the Pandemic: A Cross-Sector Analysis of Hawai'i's Enrollment Decline
24	Murphy	Mark	I3	\$ 510.00	\$ 595.00	Educational Psychology	Association of Education Finance and Policy	Paper 1: Making Our Language Necessary: Expanding Access and Carving Spaces for Activity-based, Intergenerational, Osmotic Language Learning AND Paper 2: Aohe Pau Ka like I Ka Hālau Hookahi: Learning with Community and Place-based Inquiry
25	Maunakea	Summer	I3	\$ 485.00	\$ 485.00	Curriculum Studies	American Educational Research Association	
26	Sierralta	Karla	I4	\$ 1,103.50	\$ 1,104.00	Architecture	Association of Collegiate Schools of Architecture (ACSA) 110th Annual Meeting "Empower"	The Future of Hawaii's Housing

Table 1
2021-2022 Professional Travel Awards Annual Report – Mānoa

Count	Last Name	First Name	Rank	Amount Requested	Amount Approved	Department	Conference	Title of Presentation
27	Gilliland	Elizabeth	14	\$ 2,452.00	\$ 1,500.00	Second Language Studies	American Association of Applied Linguistics	Teacher-Student Group Conferences in Online Writing Courses: Conference Talk, Textual Revision, and Student Attitudes
28	Chang	Ethan	13	\$ 2,276.00	\$ 1,700.00	Educational Administration	American Education Research Association	Curricular countermovements: How white parents mounted a popular challenge to Ethnic Studies
29	Taira	Derek	13	\$ 2,538.00	\$ 1,500.00	Educational Foundation	Organization of American Historians	Native Hawaiians in "Unexpected Places": Contesting U.S. Settler Colonialism Through School Petitions & Language Legislation, 1900-1941
30	Desser	Daphne	14	\$ 2,795.00	\$ 1,500.00	English	38th Annual Conference of the Association for Israel Studies	Pioneering Women in the Patriarchy: Reaffirming the Gender-Defying Roles of Early Female Settlers to Pre-state Israel
31	Kim	Min-Sun	15	\$ 5,170.00	\$ 1,000.00	Communicology	72nd Annual International Communication Association Conference	Multicultural Identity and Conflict Communication Competence in the 21st Century
32	Konh	Bardia	13	\$ 2,574.30	\$ 2,000.00	Mechanical Engineering	International Symposium on Medical Robotics	Modeling and Operator Control of a Robotic Tool for Bidirectional Manipulation in Targeted Prostate Biopsy
33	Tschudi	Stephen	S3	\$ 1,248.00	\$ 1,000.00	Center for Language and Technology	Computer-Assisted Language Instruction Consortium (CALICO)	How Team 10 Survived the 7 Deadly Questions and Won the Hackathon: A Postmortem
34	Chandler	Paul	15	\$ 1,797.00	\$ 800.00	Languages and Literatures of Europe and the Americas	24th Annual Mediterranean Studies Association Congress	Saudades from Hawaii to Madeira from the Poet of Honolulu, M.J. Coito
35	McGuire	Laura	13	\$ 2,665.30	\$ 1,000.00	Architecture	Society of Architectural Historians Annual International Conference	A Building of Our Own: Alfred Preis's ILWU Hawaii Headquarters
36	Fujikane	Candace	15	\$ 1,888.71	\$ 1,000.00	English	Association for Asian American Studies	"Elemental Cartographies for Rising Seas"
37	Jiang	Song	14	\$ 1,746.00	\$ 800.00	East Asian Languages and Literatures	29th International Conference on Chinese Language Instruction	Reflection on History of Chinese Language Teaching at the University of Hawaii at Mānoa: 1920-1970
38	Brown	Joseph	13	\$ 900.00	\$ 685.00	Mechanical Engineering	2022 Materials Research Society Spring Meeting	Preparation of Magnesium Diboride Surface Coatings for Gravimetric Adsorption Characterization
39	Gabrovski	Miroslav	13	\$ 1,302.50	\$ 1,000.00	Economics	Midwest Macroeconomics Conference	Efficiency in the Housing Market with Search Frictions
40	Taniguchi-Dorios	Emiko	13	\$ 3,245.61	\$ 1,500.00	Communicology	International Communication Association (ICA)	Mental Illness Disclosure from Confidants' Perspective within Romantic Relationships: Validation and Extension of the Disclosure Quality Model

Table 1
2021-2022 Professional Travel Awards Annual Report – Mānoa

Count	Last Name	First Name	Rank	Amount Requested	Amount Approved	Department	Conference	Title of Presentation
41	Segeral	Nathalie	15	\$ 2,196.46	\$ 1,700.00	Languages and Literatures of Europe and the Americas	Être juif en littérature en France et dans l'espace francophone	Être une femme juive en littérature en France et dans l'espace francophone (Being a Jewish woman in literature in France and the Francophone world)
42	Singh	Vir Armajit	15	\$ 5,744.07	\$ 1,200.00	Civil and Environmental Engineering	4th European and Mediterranean Structural Engineering and Construction Conference	Financial sustainability of construction and demolition waste recycling plants
43	Logan	Joy	15	\$ 3,054.00	\$ 1,000.00	Languages and Literatures of Europe and the Americas	XXX Congreso Internacional de Literatura y Estudios Hispánicos	Cultural Identity and the Environment: Place-branding and Logos in Argentina
44	Ghorbani	Reza	14	\$ 2,650.00	\$ 1,500.00	Mechanical Engineering	International Conference on Smart Grid 2022	Image Processing-based Data Integrity Attack Detection in Dynamic Line Rating Forecasting Applications
45	Chen	Jikai	13	\$ 2,404.00	\$ 1,500.00	Finance	Inaugural Conference on the International Roles of the U.S. Dollar	Slowed-Down Capital: Using Bitcoin to A void Capital Controls
46	Chong	Rebecca	13	\$ 3,958.00	\$ 2,000.00	School of Life Sciences	Evolution 2022	Researching Hawaiian lava tube biology along the space -time continuum, the next generation
47	Hoffman	Daniel	13	\$ 4,498.00	\$ 2,000.00	Learning Design and Technology	EdMedia + Innovate Learning 2022	1) Culturally-Relevant Computer Science: Teachers' Perspectives and Practices, 2) Using the Flipped Classroom Model and Other Teaching Strategies to Promote Project-Based Learning in an Online Learning Environment, and 3) Taking the Studio Online: Design
Total:				\$73,547.01	\$55,040.00			

Table 2
2021-2022 Professional Travel Awards Annual Report – West O’ahu

<u>Group Count</u>	<u>Faculty</u>	<u>Rank</u>	<u>Department</u>	<u>Estimated Funds Requested</u>	<u>Amount Awarded</u>	<u>Purpose</u>	<u>Title of Presentation/Paper</u>
1	Landgraf, Katie	I4	Business Administration	413.51	426.65	37th Eurasia Business and Economics Society	The Relationship Between Family-Friendly Workplace Policies and Accountant Turnover
2	Machosky, Brenda	I5	Humanities	2,160.40	2,000.00	Modern Language Association Convention *Virtual only due to covid*	A Hybrid Model of Collaborative Journal Editing
3	Mello, Christy	I4	Social Science	305.00	305.00	Society for Applied Anthropology	Adapting to Crisis: Reimagining Pedagogy and Research
4	Mironesco, Monique	I5	Social Science	290.00	290.00	Engagement Scholarship Consortium International Conference	The Pandemic Pivot: Effective Service-Learning in the Age of COVID-19
5	Rosenlee, Li-Hsiang	I5	Humanities	620.00	620.00	American Academy of Religion	Teaching Philosophy of Religion Inclusively to Diverse Students
6	Sakuda, Keith	I5	Business Administration	180.00	180.00	2021 International Virtual Exchange Conference	Addressing Institutional Weaknesses Through a COIL Partnership: A Case Study of Fully Integrated Semester-Long COIL Courses
7	Scheidt, Thomas	I4	Social Science	20.00	20.00	Missouri Valley Economics Association Annual Conference	The AEA as the Investor in the Twentieth Century
8	Sumiye, Laurie	I3	Academy for Creative Media-West Oahu	130.00	130.00	University Film and Video Association Panel Presentation	Animated Documentaries
9	Yong, Kamuela	I4	Math, Natural and Health Sciences	80.00	80.00	Canadian Mathematical Society Winter Meeting	Using Place-Based Education to Attract Students and Promote Equity in Applied Mathematics
10	Aumer, Katherine	I3	Social Science	2,071.85	2,000.00	Society for Personality and Social Psychology	Impact of Culture and Context on Emotions
11	Cavert, William	I2	Humanities	28.84	28.84	Pacific History Association 2021 Biennial Conference	"Walpole: Life and Labor on an Invisible Island 1916-1942"
12	Wilson, Stefanie	I5	Business Administration	399.00	399.00	2022 Clute International Academic Conference on Business	Majestic Teamwork Utilizing Quality Tools: to Foster Organizational and Classroom Success

**Table 2
2021-2022 Professional Travel Awards Annual Report – West O’ahu**

<u>Group Count</u>	<u>Faculty</u>	<u>Rank</u>	<u>Department</u>	<u>Estimated Funds Requested</u>	<u>Amount Awarded</u>	<u>Purpose</u>	<u>Title of Presentation/Paper</u>
13	Yu, Peiyong	I3	Social Science	2,435.00	2,000.00	Hawaii International Conference on Education	Innovations in Distance Education During the Covid-19 Pandemic
14	Mironesco, Monique	I5	Social Science	1,816.00	1,816.00	Western Political Science Association	Women's Leadership in Alternative Food Networks (AFNS) in Hawaii
15	Graham-Tutt, Caмония	I4	Math, Natural and Health Sciences	2,157.55	2,000.00	ConnectUR conference	Cultivating Kilo in Hawaii: Building Creative Education Experiences (CEEs) through Undergraduate Research
16	Rosenlee, Li-Hsiang	I5	Humanities	90.00	90.00	Wabash Workshop	Teaching Philosophy of Religion Inclusively to Diverse Students
17	Rosenlee, Li-Hsiang	I5	Humanities	1,930.00	1,990.00	Asian Studies Development Program (ASDP) Annual Conference	A Feminist Re-imagination of Confucianism: A Practical Ethic for Life
18	Ikeda, Cathy	I4	Education	2,597.00	2,000.00	American Educational Research Association 2022	Using Radical Self Honesty to Move Toward Ho'opono and Cultivate Equitable Education System
19	Yong, Kamuela	I4	Math, Natural and Health Sciences	180.00	180.00	Joint Mathematics Meeting	Using Place-based education to attract students and promote equity in applied mathematics
20	Romero, Yasmine	I4	Humanities	175.00	175.00	TESOL 2022 virtual convention	Negotiating Language Attitudes and Ideologies in Hawaii Through Dialectical Journaling
21	Machosky, Brenda	I5	Humanities	2,102.00	2,000.00	Amer Assoc of Australasian Literary Studies (AAALS)	Teaching the resistance of the storytelling novel
22	Orr, Stan	I5	Humanities	1,004.00	1,004.00	research at San Francisco State University	Toward an Appreciation of John Kneubuhl's Legal Dramas
23	Aumer, Katherine	I3	Social Science	2,979.53	2,000.00	Association for Psychological Sciences 2022	Cultural Influences on the Perception of Love and Hate
24	Scheiding, Thomas	I4	Social Science	2,000.00	2,000.00	research at Duke University, Durham, NC	Financing Expansion within the American Economic Association Post-World War II America
Total				26,164.68	23,734.49		

Table 3
2021-2022 Distribution of Facilitating Services Fund

RTRF Revenue by Unit	Basis	Allocation
College of Arts & Humanities	6,733.42	
College of Education	1,733,830.65	
College of Engineering	966,893.11	
College of Language, Linguistics and Literature	506,493.19	
College of Natural Sciences	4,294,293.71	
College of Social Sciences	1,960,455.62	
College of Tropical Agriculture and Human Resources	1,886,074.97	
Hawai'inuiakea School of Hawaiian Knowledge	88,484.61	
Institute for Astronomy	3,668,506.97	
John A. Burns School of Medicine	7,253,563.49	
Lyon Arboretum	56,419.57	
Outreach College	-	
School of Architecture	34,007.68	
School of Nursing and Dental Hygiene	55,927.76	
School of Ocean and Earth Science and Technology	11,635,433.04	
School of Pacific and Asian Studies	35,228.93	
School of Social Work	1,621,749.83	
Schilder College of Business	34,522.88	
UH Cancer Center	5,280,368.24	
Vice Chancellor, Academic Affairs	48,658.26	
Vice Chancellor, Research	372,765.78	
Vice Chancellor, Students	306,369.24	
Water Resources Research Center	128,672.70	
William S. Richardson School of Law	136,471.63	
Mānoa	42,111,925.28	27,621,115.00

RTRF Revenue by Unit	Basis	Allocation
UH Hilo	1,983,759.74	
SBDC	217,197.30	
UH Hilo	2,200,957.04	1,545,896.00

RTRF Revenue by Unit	Basis	Allocation
UH West Oahu	255,242.71	
West O'ahu	255,242.71	172,402.00

Table 3
2021-2022 Distribution of Facilitating Services Fund

RTRF Revenue by Unit	Basis	Allocation
VP for Community College	142,135.78	
Hawai'i CC	35,710.37	
Honolulu CC	94,361.50	
Kapi'olani CC	177,391.11	
Kaua'i CC	91,693.07	
Leeward CC	41,259.59	
Maui College	960,099.63	
Windward CC	189,829.77	
Campus CC	1,732,480.82	1,087,214.00

RTRF Revenue by Unit	Basis	Allocation
Systemwide		
President	1,171,504.80	
VP for Academic Planning and Policy	238,840.18	
VP for Administration	2,707.50	
VP for Research and Innovation	1,744,817.98	
Office of the VP for Information Tech/Chief Info Officer	3,454,088.19	
Applied Research Laboratory	185,628.41	
Systemwide	6,797,587.06	5,308,235.00
Grand Total	53,098,192.91	35,734,862.00

Table 4
2021-2022 Project Development Fund Awards – Vice Provost for Research and Scholarship

<u>Item No.</u>	<u>Unit</u>	<u>Account Title</u>	<u>P.I.</u>	<u>Amount</u>
1	College of Engineering	Faculty Start-Up	Park, H.	31,250.00
2	College of Engineering	Faculty Start-Up	Zhang, G.	50,000.00
3	College of Languages, Linguistics & Literature Dean	Flagship Tech Innovation	Rodriguez, J.	40,000.00
4	College of Natural Sciences	Douglas Lab Decommissioning	Douglas, J.	15,000.00
5	College of Tropical Agriculture and Human Resources	Faculty Start-Up	He, Y.	35,000.00
6	College of Tropical Agriculture and Human Resources	Faculty Start-Up	Lee, M.	21,000.00
7	Graduate Division	GSO Support	Westfall-Senda, M.	50,000.00
8	Graduate Division	GSO Merit Support	Westfall-Senda, M.	61,075.00
9	Institute for Astronomy	Faculty Start-Up	Haggerty, c.	40,000.00
10	John A. Burns School of Medicine	COBRE III	Ward, S.	42,116.00
11	John A. Burns School of Medicine	MHRT Program	Nerurkar, V.	51,604.80
12	John A. Burns School of Medicine	MARC	Nerurkar, V.	16,500.00
13	Manoa Office of Business & Finance	Utilities	Araki, Blake	1,000,000.00
14	School of Ocean & Earth Science Technology	Faculty Start Up	Coats, S.	20,000.00
15	School of Ocean & Earth Science Technology	Faculty Start Up	Hawco, N.	33,333.00
16	School of Ocean & Earth Science Technology	AEC Service	Ishii, H.	25,000.00
17	School of Ocean & Earth Science Technology	Faculty Start Up	Karamperidou Wolff, C.	25,000.00
18	School of Ocean & Earth Science Technology	Faculty Start Up	McManus, L.	50,000.00
19	School of Ocean & Earth Science Technology	Faculty Start Up	Nugent, A.	25,000.00
20	School of Ocean & Earth Science Technology	Faculty Start Up	Torri, G.	21,000.00
21	School of Ocean & Earth Science Technology	GeoPRISMS	Janiszewski, H.	5,000.00
22	University of Hawaii Cancer Center	U54 Cost-Share	Palafox, N.	50,000.00
23	Vice Provost for Research & Scholarship	Makai Pier	Kameoka, V.	10,000.00
24	Vice Provost for Research & Scholarship	Makai Pier	Kameoka, V.	25,000.00
25	Vice Provost for Research & Scholarship	UROP Support	Litton, C.	125,000.00
26	Vice Provost for Research & Scholarship	Makai Pier	Sabine, C	25,000.00
27	Vice Provost for Research & Scholarship	Bond Payment	Sabine, C	1,650,753.52
28	Water Resources Research Center	Director Support	Giambelluca, T.	53,875.00
29	Water Resources Research Center	Climate	Giambelluca, T.	213,408.00
	TOTAL COMMITTED			<u>3,810,915.32</u>

Table 5
2021-2022 Student Excellence in Research Awards

NONE

Table 6
2021-2022 VP for Research and Innovation Investments

Item	Campus	Unit	Purpose	Commitment
1	HI	Chancellor	I2I	24,948.00
2	HI	Chancellor	OMKM Support	600,000.00
3	MA	College of Engineering	CSET research	50,000.00
4	MA	College of Engineering	I2I	25,000.00
5	MA	College of Engineering	I2I	10,000.00
6	MA	College of Engineering	IIC Underground Cable Detection	5,000.00
7	MA	College of Social Sciences	UHERO - Astronomy Report	54,000.00
8	MA	Institute for Astronomy	Retention	16,666.65
9	MA	John A. Burns School of Medicine	Akahi Cohort Program	50,000.00
10	MA	John A. Burns School of Medicine	COBRE - Diabetes Phase II	250,000.00
11	MA	John A. Burns School of Medicine	Hawaii INBRE V	250,000.00
12	MA	John A. Burns School of Medicine	I2I	6,500.00
13	MA	John A. Burns School of Medicine	Ola Health And Wellness Achieved by Impacting Inequalities	375,000.00
14	MA	School of Ocean and Earth Science and Technology	Bridge Funding	6,791.00
15	MA	School of Ocean and Earth Science and Technology	HIMB Director	300,000.00
16	MA	School of Ocean and Earth Science and Technology	I2I	22,500.00
17	MA	School of Ocean and Earth Science and Technology	TEM Support	25,000.00
18	MA	UH Cancer Center	Specialized Programs of Research Excellence (SPORE) in Human Cancers	125,000.00
19	SW	Applied Research Laboratory	Red Hill	50,000.00
20	SW	Office of General Counsel	Mauna Kea Legal Fees	324,528.30
21	SW	Office of General Counsel	Research Support	214,953.07
22	SW	Vice President for Research and Innovation	EDA Cost Share	813,067.90
23	SW	Vice President for Research and Innovation	Excellence in Research Awards	12,000.00
				<u>3,610,954.92</u>

Table 7
Five-Year Summary of Research and Non-Research Grants and Contracts Awarded

<u>Description</u>	<u>Fiscal Year</u> <u>2018</u>	<u>Fiscal Year</u> <u>2019</u>	<u>Fiscal Year</u> <u>2020</u>	<u>Fiscal Year</u> <u>2021</u>	<u>Fiscal Year</u> <u>2022</u>
Research	215,982,321	222,860,456	229,664,292	238,259,645	269,968,449
Non-Research	170,329,382	198,991,704	220,774,957	247,269,281	235,050,685
	<u>386,311,703</u>	<u>421,852,160</u>	<u>450,439,249</u>	<u>485,528,926</u>	<u>505,019,134</u>