

University Research Committee - Oakland University Annual Report: 2017-2018

Charge

To encourage and promote scholarship, research, and creative endeavors among the faculty members of the University. The Committee's responsibilities include, in particular, the evaluation of applications for intramural research funds and the allocation of these funds among bargaining unit faculty members. More generally, they include advising and making recommendations to the Chief Research Officer on practices and policies conducive to scholarly activity.

Membership

Knutson, Andrea (CAS) 2016-2018, CHAIR (2017-2018)
Stone, David (Chief Research Officer) Ex-officio and non-voting
Dadashzadeh, Mohammad (SBA) 2017-2018
Cheng, Eddie (CAS) 2017-2019
Aloi, Dan (SECS) 2017-2019
Dinda, Sumit (SHS) 2017-2019
Edrisinha, Chaturi (SEHS) 2017-2019
Payette, Jessica (CAS) 2016-2018
Purcell, Dean (CAS) 2016-2018
Penprase, Barbara (Graduate Council Representative) (SON) 2017-2018
Vonk, Jennifer (Graduate Council Representative) (CAS) 2017-2018

Workshop

On September 15, 2017 at 2:30 the URC hosted a workshop for faculty regarding the URC awards and the process for applying. Andrea Knutson, URC Chair, presented and was assisted by Susan Willner, Administrator in the Research Office. About twenty-five faculty attended. The new application software program InfoReady Review was rolled out this year, so the Power Point slides and application checklist were updated, explained in the workshop, and made available on the URC website. In addition, Knutson continued last year's practice of making a folder of awarded applications (to be used as guides for applicants) available in a Google Drive folder. Faculty requesting samples were given access. Last year's chair had received permission from the previous awardees before sharing their applications.

Fellowship application review process

This year the committee scored the fellowship applications using a weighed scale to rate six dimensions of the applications.

1. Background
2. Significance
4. Clarity
5. Budget
6. Methodology

The scoring sheet and dimensions were based off a previous committee's process. The definitions for the dimensions and scoring sheet calculations will be shared with the in-coming chair.

Meetings and actions

September 12, 2017: Meeting of the URC for introductions and to go over the charge, budget, necessity for confidentiality, and the fellowship review process. Sue Willner gave an orientation of the new InfoReady Review software to committee members.

September 14, 2017: Andrea Knutson attended a Senate meeting in which a vote was scheduled to reduce the number of Graduate Council representatives on the committee from two to zero. This vote was postponed in order to address larger revisions that needed to be made, which would impact this aspect of the committee's membership.

September 26, 2017: Meeting of the URC to discuss the guidelines for the fellowship review process, the score sheet, and the criteria.

In preparation for a meeting with David Stone and Claudia Petrescu about the proposed revisions to the URC charge, Knutson informed the committee of the process begun in 2016 to make revisions to the committee's charge, including 1) adding "creative endeavors" to the first sentence 2) revising the third sentence to clarify the role of the committee in relation to the Chief Research Officer and, therefore, in relation to the direction of research policy and practices at Oakland University and 3) reducing the number of Graduate Council representatives in light of the revisions to the third sentence of the charge.

October 5, 2017: Knutson met with David Stone and Claudia Petrescu to discuss the possible scope and direction of the proposed changes to the committee's charge, reasoning behind these changes, and what these changes would look like in terms of expectations and goals for the various offices and committees affected by the changes.

October 10, 2017: Meeting of the URC so that Knutson could inform members of the developments in the conversation with Stone and Petrescu around proposed revisions to the URC's charge. URC members continued the conversation and offered a variety of ways of addressing the various topics and issues raised in the Oct. 5th meeting. Members articulated a variety of options for addressing the issues and concerns, which Knutson noted and brought to the Senate Steering Committee meeting on Nov. 7th, which was scheduled for the purposes of a formal conversation in order to move the conversation into the formal process of agreed-upon revisions and an eventual vote.

November 7, 2017: Knutson attended the Senate Steering Committee scheduled to discuss revisions to the URC committee's charge. The result was the formation of an ad-hoc Senate Steering Committee in order to explore and consider all options and write new language for the charge.

December 5, 2017: Upon receiving the revised charge from the ad-hoc Senate Steering Committee, Knutson presented the results to URC committee members. The URC unanimously approved the changes.

January 19, 2018: Meeting of the URC to discuss and recommend to the Provost's office the recipients of the Research Excellence Award and the New Investigator Research Excellence

Award. The committee recommended Rasul Chaudhry for the former and Kareen Tonsing for the latter. In addition, members reviewed the criteria for the Research Grants and determined a due date for scores.

February 15, 2018: Knutson attended the Senate meeting to field questions about the revisions to the URC's charge. There were no questions.

April 13, 2018: Meeting of the URC to discuss faculty applications for the President's Colloquium. Members discussed the applications and voted to recommend Jeffrey Insko, Associate Professor, English Department, for his proposal "The Dead Past and the Living Present."

April 19, 2018: The Senate unanimously voted to approve the new charge of the URC.

April 24, 2018: Knutson received confirmation from the President's office that Professor Insko will be the next Colloquium speaker. The Colloquium has been confirmed for October 15, 2018.

Notes

The URC received zero applications for a conference at Meadow Brook Hall this year.

During discussions about the Fellowship application process, URC members recommended that the Power Point presentation used in the workshop include a slide that suggested having necessary IRB approvals by April 30th to facilitate the processing of the funds.

According to the new charge, the committee will, moving forward, be responsible for developing its new role and relationship with the Associate Vice President for Research. That is, as articulated in the new charge, the URC will serve by "advising and making recommendations to the Chief Research Officer on practices and policies conducive to scholarly activity" at Oakland University. The committee's work in the next year should involve discussions around how best to implement this aspect of the charge and to develop practices that follow through with it.

I was privileged to work with thoughtful, committed faculty this year. They were inspiring and dedicated and our conversations were productive. It was a wonderful experience to share perspectives and learn from each other. And I'm most grateful to have had the privilege of working with Sue Willner, whose wisdom was indispensable and whose attentiveness and organizational skills are incomparable.

Respectfully submitted,

Andrea Knutson, Associate Professor, English Department
Chair URC, 2017-18

University Research Committee Budget and Statistics – FY18

Budget

Carried over from FY17	5,805
Budget FY18	320,000
Total Budget	\$325,805

Expense

Faculty Research Fellowship	280,000
Stipend Fringe	5,272
Faculty Research Grant	27,131
Faculty Books and Reprints	2,363
Total Expense	\$314,766

Carry-over to FY19 \$11,039

Application Stats	Awarded	Denied	Total	%Awarded
Faculty Research Fellowship Award	28	22	50	56%
Faculty Research Award	22	4	26	85%
Meadow Brook Hall Conference	0	1	1	0%
Faculty Books and Reprints	9	0	9	100%
President Colloquium Series*	1	10	11	9%
Faculty Research Excellence Award*	1	1	2	50%
New Investigator Research Excellence Award*	1	2	3	33%
<i>*Not funded by the URC</i>	62	40	102	61%

URC Faculty Research Fellowship Awardees

Awarded \$280,000

Theresa Anasti

Department of Sociology, Anthropology, Criminal Justice, and Social Work, CAS
Street-Level Bureaucrats and Service Provision to Individuals Currently and Formerly Involved in the Sex Trade

Osman Aydas

Department of Decision and Information Sciences, SBA
Modeling and Evaluation of Alternative Short-Term Nurse Schedule Adjustment Strategies

Anica Bowe

Department of Teacher Development and Educational Studies, SEHS
Understanding Barriers to Parent Involvement their child's schooling within a Bahamian community

Aycil Cesmelioglu

Department of Mathematics and Statistics, CAS
Computational Solutions of a Multi-Physics Problem in Geosciences

Myung Choi

Department of Human Movement Science, SHS
*Does It Matter How Slow or Fast You WALK?
Regulation of Walking Speeds on Fat Metabolism in Obese Individuals*

Caress Dean

Department of Public and Environmental Wellness, SHS
Improving Michigan Residents' Cardiovascular Health

Daniel DeVescovo

Department of Mechanical Engineering, SECS
Developing an Ignition Delay Correlation for 3-Component Gasoline-Surrogate Fuel Blends for Auto-Ignition Prediction

Caitlin Demsky

Department of Management & Marketing, SBA
Thriving Amongst Negativity: The Role of Energizing Relationships as a Buffer of Workplace Incivility

Rebekah Farrugia

Department of Communication and Journalism, CAS
From Dilla Day to Denim Day: Identifying the intersections of Hip Hop, Politics, and Community Work in Detroit

Sergey Golovashchenko

Department of Mechanical Engineering, SECS
Cutting of Ultra-High Strength Steel

Kevin Grimm

Department of English, CAS
The Prisoner of the Book: The Modern Scholarly Editions of Sir Thomas Malory's Morte Darthur

Michelle Hammond

Department of Management and Marketing, SBA
Leader Identity Development across Domains

Joyce Havstad

Department of Philosophy, CAS
Fossils with Feathers and Philosophy of Science

Jeffrey Insko

Department of English, CAS
Blogging the Anthropocene

Wendi Johnson

Department of Sociology, Anthropology, Criminal Justice, and Social Work, CAS
Child Support Policy, Family Complexity, and Intimate Partner Violence

Rebecca Josephy

Department of Modern Languages and Literatures, CAS
Tracing the Biblical Origins of Sherlock Holmes: The French Connection

Lisa Levinson

Department of Linguistics, CAS
The Processing of Implicit Objects

Yan Li

Department of History, CAS
"For Internal Use Only": Restricted Books in the People's Republic of China, 1960-76

Wing-Yue Louie

Department of Electrical and Computer Engineering, SECS
Teaching Robots to Collaborate During a Physical Task

URC Faculty Research Fellowship Awardees

(continued)

Khalid Mahmood

Department of Computer Science and Engineering, SECS
*Ontology Driven and Deep Learning based Decision
Support System for the Prediction of Brain Aneurysms*

Nasim Nezamoddini

Department of Industrial and Systems Engineering, SECS
*Exploring Smart Supply Chain Management based on
Internet of Things Solutions*

Ravi Parameswaran

Department of Management and Marketing, SBA
*Country Loyalty as a measure of Country-Of-Origin
(COO) Effects while assessing Country and Brand Image
Impacts*

Kathleen Pfeiffer

Department of English, CAS
*A notable Absence: The Stepmother in American
Literature*

Alison Powell

Department of English, CAS
You be the bear, Now be the Dolphin

Yazan Roumani

Department of Decision & Information Sciences, SBA
*A Data Mining Approach for Predicting Software
Vulnerabilities*

Greg Thrasher

Department of Management and Marketing, SBA
*The Effect of Retirement Motivation, Preparations,
and structure on Emotional and Cognitive Well-Being*

Nghia Tran

Department of Mathematics and Statistics, CAS
*Tilt Stability in Sparse Optimization with Application to
Signal Processing*

Evan Trivedi

Department of Chemistry, CAS
*Conversion of Agricultural Waste to Value-added
Chemicals with Sunlight*

URC Faculty Research Grant Awardees

Awarded \$27,131

G. Rasul Chaudhry

Department of Biological Sciences, CAS
Regeneration of Retina using Mesenchymal Stem Cell Derivatives

Felicia Chong

Department of Writing and Rhetoric, CAS
Reinvestigating Student Attitudes toward Writing and Rhetoric Program Recruitment Advertisements

Tanya Christ

Department of Reading and Language Arts, SEHS
Exploring the Use of Culturally Relevant Texts to Support Refugee English Language Learners' Participation in Literacy Lessons

Dominique Daniel

Library, KL
Knowledge is Power: A History of Print Culture and Workers' Education at the International Ladies' Garment Workers' Union

Alta Dantzler

Department of Music, SMTD
Curation of American Operetta Anthology Indexes

Ellen Gajewski

Nursing, SON
Effects of Obesity Education Training on Empathy Skills of Undergraduate Nursing Students

Daniel Goble

Department of Human Movement Science, SHS
An Initial Normative Database for the Clinical Test of Sensory Integration and Balance (CTSIB)

Lan Jiang

Department of Biological Sciences, CAS
Role of a Novel CG15887

Elizabeth Kattner-Ulrich

Department of Dance, SMTD
Recreating Costuming for a Lost Masterpiece: George Balanchine's Marche Funèbre (1923)

Richard Olawoyin

Department of Public and Environmental Wellness, SHS
Characterizing Indoor Air Quality (IAG) in Industrial Environments Using Extreme Learning Machines

Doris Plantus

Department of English, CAS
3-Dimensional Koine Greek Grammar Blocks

Lakshmi Raman

Department of Psychology, CAS
What is the Impact of Physical Activities?: Mother-Child Conversation about the Impact of Active and Sedentary Activities

Jo Reger

Department of Sociology, Anthropology, Criminal Justice, and Social Work, CAS
Completion of Different Wavelengths II

Melissa Reznar

Department of Interdisciplinary Health Sciences, SHS
Developing a Lifestyle Intervention for Patients of a Family Medicine Clinic in the Detroit Metropolitan Area

Emily Spunaugle

Library, KL
Role of a Mary, the Osier- Peeler: Mary Morgan's Lost Cambridge Shire Ballad

Mark Stone

Department of Music, SMTD
Solo Multi-Percussion Compositions

Kanako Taku

Department of Psychology, CAS
Experience of Posttraumatic Growth and Cultural Background Affecting Perceptions of Depression

Crystal VanKooten

Department of Writing and Rhetoric, CAS
Soundscaping Space: Ways of Knowing, Telling, and Showing Space through Sounds

Lisa Welling

Department of Psychology, CAS
Behavior Across the Human Menstrual Cycle

Doug Wendell

Department of Biological Sciences, CAS
Extracting More Meaning from Environmental DNA Assays

Alison Woerner

Department of Dance, SMTD
I Have a Story to Tell You: Take Rott's Berlin Residency

Virgil Zeigler-Hill

Department of Psychology, CAS
Narcissism and Job Commitment: The Role of Perceived Respect

Research Publication Awards

Total Awarded \$2,363

G. Rasul Chaudhry

Department of Biological Sciences, CAS

"Advances and challenges in stem cell culture"

"Colloids and Surfaces B: Biointerfaces"

Florence Dallo

Department of Public and Environmental Wellness, SHS

"Predictors of Self-Related Health among Undergraduate College Students in the United States."

Manohar Das

Department of Electrical & Computer Engineering, SECS

"Nonlinear Unknown-Input Observer-Based Systems for Secure Underwater Communication"

Thomas Discenna

Department of Communication & Journalism, CAS

"Discourses of Denial: The Rhetoric of American Academic Labor"

Courtney Brannon Donoghue

Department of English, CAS

"Localising Hollywood"

Ji-Eun Lee

Department of Teacher Development & Educational Studies, SEHS

Korean Society of Mathematical Education International Journal

Yan Li

Department of History, CAS

"China's Soviet Dream. Propaganda, Culture, and Popular Imagination"

Thomas Raffel

Department of Biological Sciences, CAS

"Thermal Performance Curves and the Metabolic Theory of Ecology-A Practical Guide to Models and Experiments for Parasitologists."

Mi Hye Song

Department of Biological Sciences, CAS

"APC/CFZR-1 Controls SAS-5 Levels To Regulate Centrosome Duplication in Caenorhabditis Elegans"

President's Colloquium Award

Awarded by the President's Office

Jeffrey Insko

Department of English, CAS

The Dead Past and the Living Present

Research Excellence Award

Awarded by the Provost Office

G. Rasul Chaudhry

Department of Biological Sciences, CAS

Nomination by Ravindra Khattree

Department of Mathematics and Statistics, CAS

New Investigator Research Excellence Award

Awarded by the Provost Office

Kareen Tonsing

Department of Sociology, Anthropology, Social Work, and Criminal Justice, CAS

Nomination by Terri Orbuch

Department of Sociology, Anthropology, Social Work, and Criminal Justice, CAS