

University Research Committee - Oakland University Annual Report: 2018-2019

Charge

The charge of the Committee is “to encourage and promote scholarship, advanced studies, and research among the tenured and tenure-track faculty of Oakland University”.

The URC’s responsibilities include, in particular, the evaluation of applications for intramural URC research funds and the allocation of these funds. More generally, they include protection and development of practices and policies conducive to URC funded scholarly activity. Scholarship is interpreted broadly and, in particular, includes creative endeavors.

<https://oakland.edu/research/general-information/URC/>

Membership

Jennifer Vonk (Graduate Council Representative, (CAS) 2017-2019, Co-CHAIR (2018-2019)

Chaturi Edrisinha (SEHS) 2017-2020, Co-CHAIR (2018-2019)

David Stone (Chief Research Officer) Ex-officio and non-voting

Dan Aloï (SECS) 2017-2019

Eddie Cheng (CAS) 2017-2019

Sumit Dinda (SHS) 2017-2019

Mary Golinski (SON) 2018-2020

Melissa Hoag (CAS) 2018-2020

Jeffrey Insko (CAS) 2018-2020

Michele Parkhill Purdie (CAS) 2018-2020

Kasaundra Tomlin (SBA) 2018-2020

Susan Willner, (Research Office) Coordinator

Workshop

On September 21, 2018 at noon – 1:30 the URC hosted a workshop for faculty regarding the URC awards and the process for applying. Chaturi Edrisinha and Jennifer Vonk, URC co-Chairs, presented and were assisted by Susan Willner, Administrator in the Research Office. About twenty faculty attended.

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

Meetings and actions

September 12, 2018: Meeting of the URC for introductions and to go over the charge, budget, necessity for confidentiality, and the fellowship review process. A motion was passed to increase the maximum amount for the research grants from \$1200 to \$2000. The committee voted not to use outside reviewers for the fellowship application review. The committee voted not to alter rules regarding teaching restrictions for recipients of fellowships.

October 10, 2018: Meeting of the URC with David Stone to discuss committee charge with regard to the relationship between the URC and the research office. The committee also agreed to use the previous year's process for scoring fellowships.

October 24, 2018. Meeting followed the research town hall meeting. Scoring criteria and process for the fellowships was discussed. A motion was approved to strike the requirement that recipients of research grants file reports with the research office. A motion was approved to require that fellowship applicants provide final reports on all fellowships received after 2010 when reports can be tracked through the research office.

November 7, 2018. The committee met to discuss scores and agree upon recipients of the faculty fellowship.

December 5, 2018. The committee met to discuss applicants for the research excellence awards. Prior to the meeting, the co-chairs had received approval from the Provost's office to award two new investigator awards in lieu of awarding a research excellence recipient, if the committee so voted. The committee voted to award two new investigator awards and not to award the research excellence award due to the lack of senior faculty applicants. This decision prompted discussion on the need to work harder to solicit applications from qualified faculty.

February 13, 2019: The committee met to decide upon recipients for the research grant. The committee voted yes/no on each of the applicants.

February 27, 2019: The committee met to discuss issues with review process for the fellowships, and more general issues with the faculty grant application process. A decision was made to revise the guidelines for all grants prior to next fall. The committee agreed to work on the guidelines into the summer semester. The committee also discussed the need to find better ways to solicit research excellence applications.

March 6, 2019. The co-chairs and Sue Willner met with previous chair Julia Rodriguez to discuss a plan to archive publications and data from funded URC projects.

March 20, 2019: A motion in favor of archiving names of PIs and titles of approved projects on the URC website was passed. A motion was also passed to propose the extension of the committee term from two to three years. A memo was sent to Michelle Piskulich. The committee also discussed scoring for the President's colloquium applications. It was agreed to use an overall score out of 5 and to consider broad appeal and clarity. The committee further discussed revisions to grant application guidelines.

April 10, 2019: The committee met to discuss applicants for the President's colloquium. The committee voted in favor of selecting Daniel Clark as the recipient.

The committee moved for Jeffrey Insko to serve as co-chair for the 2019-2020 year along with one of the returning co-chairs if an extension to their term was approved.

The committee approved suggestions for revising the instructions for awards.

Notes

According to the charge, revised in the previous year, 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 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 further discussions around how best to implement this aspect of the charge and to develop practices that follow through with it.

We were privileged to work with thoughtful, committed faculty this year. However, attendance at committee meetings should be improved for next year. Committee members should commit to ensuring timely review of materials and full participation in discussion.

We are most grateful to have had the privilege of working with Sue Willner, whose wisdom and institutional knowledge was indispensable and whose helpfulness and organizational skills are incomparable.

Respectfully submitted,

Jennifer Vonk, Professor, Psychology
Co-Chair, URC 2018-2019

Chaturi Edrisinha, Associate Professor, Human Development and Child Studies
Co-Chair, URC 2018-2019

University Research Committee Budget and Statistics – FY19

Budget

Carried over from FY18	11,038
Budget FY19	330,000
Total Budget	\$341,038

Expense

Faculty Research Fellowship	270,000
Stipend Fringe	5,766
Faculty Research Grant	43,568
Faculty Books and Reprints	1,666
MeadowBrook Hall Conference	3,000
Total Expense	\$324,000

Carry-over to FY20 \$17,038

Application Stats	Awarded	Denied	Total	%Awarded
Faculty Research Fellowship Award	27	32	59	45.8%
Faculty Research Award	24	13	37	64.9%
Meadow Brook Hall Conference	1	2	3	33.3%
Faculty Books and Reprints	6	0	6	100%
President Colloquium Series*	1	5	6	16.7%
Faculty Research Excellence Award*	0	2	2	0%
New Investigator Research Excellence Award*	2	5	7	28.6%
<i>*Not funded by the URC</i>	61	59	120	50.8%

Faculty Research Fellowship Awardees

Shadi Alawneh

Electrical and Computer Engineering, SECS

GPU Accelerated Model Predictive Control for Autonomous Car Robot Navigation

Seyed Ali Arefifar

Electrical and Computer Engineering, SECS

Integration of Energy Storage Devices for Improving Voltage and Current Controllability in Smart Grids

Jacob Becker

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

Mapping and Explaining Spatial Patterns of Homicides in San Francisco

Elise Brown

Public and Environmental Wellness, SHS

Handgrip Strength Cut Points for Cardiometabolic Risk Index among U.S. Adolescents: Results from the National Health and Nutrition Examination Survey (NHANES) 2013 – 2014

Eralda Caushaj

Decision and Information Sciences, SBA

Android User Privacy Awareness and Decision Making

Jingshu Chen

Computer Science & Engineering, SECS

Improving the Safety of Autonomous vehicles by Adding Fault Tolerance

Dennis Condron

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

How Does Schooling Affect Inequality in Children's Academic Skills?

Christopher Cooley

Mechanical Engineering, SECS

Design and Fabrication of a Novel Test-Rig for Devices That Harvest Energy from the Vibrations of Rotating Host Systems

Alta Dantzer

Music, CAS

Commission and Recording Project "A Woman's Life (and Love)"

Todd Estes

History, CAS

The Ratification Debate and the Triumph of Political Moderation

Lisa Hawley

Counseling, SEHS

A Validation Study of a Measure for Subjective Socioeconomic Status

Jaemin Kim

Management & Marketing, SBA

Various Attentions but Limited Actions to Stakeholder Issues: Comparison between Frequency-Based Content Analysis and Natural Language Processing-Based Content Analysis

Yan Ling

Management and Marketing, SBA

When Does Chair-CEO Separation Work? Chair-CEO Status Difference and Governance Effectiveness

Zijuan Liu

Biological Sciences, CAS

Role of Zinc Transporter ZIP8 in Regulating Liver Glycogen and Glucose Metabolism

Jonathan Maisonneuve

Mechanical Engineering, SECS

Demonstrating the Possibility of Generating Power from Fertilizer and Wastewater

Matthew May

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

Answering the Call: Conservative Protestant Women and Work-Family Conflict

Susan McCarty

English, CAS

Desire: An Accounting, an Essay Collection

Matthew McLarnon

Psychology, CAS

Bouncing Back: Resiliency and its Dynamic Nature after the Experience of Job Loss

James Naus

History, CAS

The First Crusade and the Western Imagination: The Crusading Ambitions of Bohemond of Antioch

Sang Rhee

Biological Sciences, CAS

Studying the Gut-Liver-Brain inflammatory axis

Kathryn Rougeau

Public & Environmental Wellness, SHS

A Comparative Examination of the Mind-Body Connection: Able-Bodied vs. Spinal Cord Injured Individuals

Yaman Roumani

Decision and Information Sciences, SBA

Predicting Future Cloud Incidents

Elizabeth Shesko

History, CAS

Recoding Hierarchies: Shaping Race through Institutional Practice in Bolivia

Missie Smith**Industrial & Systems Engineering, SECS**

Quantifying the Impact of Near-Accidents on Driver Glance Patterns When Using Head-Up Displays

Crystal VanKooten**Writing and Rhetoric, CAS**

Completing a Digital Book Manuscript for Compose, Revise, Reflect: Video, Transfer, and the Teaching of Writing across Media

Colin Wu**Chemistry, CAS**

Assessing the Delayed Ocular and Cardiovascular Risks of Space Travel

Douglas Zytko**Computer Science & Engineering, SECS**

Identifying Casual Sex Inclinations of Online Dating System Users

Faculty Research Grant Awardees

Graham Cassano**Sociology, Anthropology, Social Work, and Criminal Justice, CAS**

The Lakeside Project

Scott Crabill**Communication and Journalism, CAS**

Community Building and Social Identity Construction through Twitter

Karen Dunn**Nursing, SON**

Caregiver Perceptions of an Animal-Assisted Intervention with Residents in Skilled Care

Judith Fouladbakhsh**Nursing, SON**

Self-Treatment of Symptoms Affecting Quality of Life of Older Adults: A Community-based Survey

Toni Glover**Nursing, SON**

Understanding Advance Care Planning Practices in Older Adults Aging Alone: A Pilot Study

Mary Hartson**Modern Languages and Literatures, CAS**

Traumatic Memory and Heroism in the Spaghetti Western: A Spanish Perspective

Derek Hastings**History, CAS**

Röhm: The Rise and Fall of a Nazi Icon

Amanda Hess**University Library**

Information Literacy e-Learning Modules and Students' Information-Seeking Skills: A pilot test project

Elizabeth Kattner-Ulrich**Dance, CAS**

Book Research for: (Re)Discovering Balanchine: Exploring the Early Choreography of a Master

Yan Li**History, CAS**

Translating Transformation: the Traveling of New Meaning between China and the West

Colleen Ludwig**Art and Art History, CAS**

BIOMASS

Heidi Lyons**Sociology, Anthropology, Social Work, and Criminal Justice, CAS**

Couple-Level Sexual Expression among Older Adults

Mark Navin**Philosophy, CAS**

Michigan's Vaccine Mandates: Key Informant Interviews

Valerie Palmer-Mehta**Communication & Journalism, CAS**

Edith Bolling Wilson: Our First Woman President

Megan Peiser**English, CAS**

Gender, Disability, and Finding Women in the Archives: Establishing the Provenance of the Marguerite Hicks Collection, 1660-1820

Lakshmi Raman**Psychology, CAS**

Do children associate activities with body size? The impact of associations versus causal relationships on children's learning about the impact of activities on body size.

David Shaerf**English, CAS**

Shtetl: Jewish enclaves in Dixieland

Maria Smith-Bohannon**Art and Art History, CAS**

Visual Investigations of Elemental Geometry

Emily Spunaugle

University Library

Identifying Stolen Goods: Establishing the Provenance and Reconstructing the Marguerite Hicks Collection of Oakland University

George Stoffan

Music, CAS

An American in Budapest: Exploring Shared Traditions in Orchestral and Chamber Music for Clarinet

Cody Vanderkaay

Art and Art History, CAS

Request to cover the cost of Constructing, Crating and Transporting Artworks for a Solo Exhibition

Luis Villa-Diaz

Biological Sciences, CAS

Regulation of pluripotent stem cells by Integrin-Linked Kinase

Tomoko Wakabayashi

Human Development and Child Studies, SEHS

Validation of the Essential Instructional Practices in Early Literacy Pre-Kindergarten

Yuejian Wang

Physics, CAS

Nano tungsten carbide (WC) under high-temperature conditions

Research Publication Awardees

Amanda Hess

University Library

"Transforming Academic Library Instruction: Changing practices to reflect changed perspectives." New York: Roman & Littlefield.

Rebecca Leigh

Reading and Language Arts, SEHS

"Wounded Writers Ask: Am I Doing it Write?" BrillSense Publishers.

Gary McDonald

Mathematics and Statistics, CAS

"Statistical testing when the populations from which samples are drawn are uncertain" Springer.

Jo Reger

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

Print of Maxine Feldman singing. JEB Productions

Sang Hoon Rhee

Biological Sciences, CAS

"Colonic Inhibition of Phosphatase and Tensin Homolog Increases Colitogenic Bacteria, Causing Development of Colitis in IL10-/- Mice" Inflammatory Bowel Diseases, Oxford University Press

Scott Tiegs

Biological Sciences, CAS

"Global patterns and drivers of ecosystem functioning in rivers and riparian zones" Sciences Advances.

President's Colloquium Awardee

Daniel Clark, History, CAS

"Detroit Autoworkers and the Elusive Postwar Boom"

New Investigator Research Excellence Awardees

Khalid Mahmood Malik, Computer Science and Engineering, SECS

Nominated by Mohammad-Reza Siadat, Computer Science and Engineering, SECS

Nghia Thaian Tran, Mathematics and Statistics, CAS

Nominated by Laszlo Liptak, Mathematics and Statistics, CAS

Meadow Brook Hall Research Conference Awardee

Janet Graetz, Human Development and Child Studies, SEHS

"Guilt by Innocence: Understanding Autism in the World of the Criminal Justice System"