

## Report to the Dean of Faculty, Research Advisory Council May 2018

### Research Advisory Committee

The Research Advisory Council (RAC) is a committee of the Faculty Senate charged to provide advice to the Vice Provost for Research on issues relating to the research enterprise of the University. During the 2016-2017 academic year, the major activity of the RAC was to help in the selection of nominations for grant and award programs with limited submissions. In the past year (May 2017-April 2018) we advertised **94** limited submissions programs, we received applications for 30 of those and reviewed applications for **15** programs. The excel chart attached indicates 2016, 2017 and 2018 competitions reviewed by limited submissions and RAC, and the outcomes of the review, including detailed data on the programs and applicants for each program. Also attached is a word document containing all limited submission competitions, including deadlines and links to program websites.

The work required to perform all of these grant proposal reviews is significant. Each RAC member reads and ranks all submissions, independent of area of research. The preliminary ranking (and specific comments) serves as the basis for the discussion. The broad expertise represented on the RAC helps to choose the most competitive (and well-written) proposals that are recommended to submit a full application to the particular funding agency or philanthropy. Independent on the outcome, the chair of the RAC provides constructive feedback to each applicant based on the comments and discussion by the council. The workload is spread out across the academic calendar, with fewer programs during the summer months.

A number programs are coordinated with Weill Cornell Medicine, depending on whether the funders consider both campuses as one entity. These programs include, but are not limited to, the Packard, Pew, Searle, Rita Allen, Keck and Hartwell Foundations. Cornell Ithaca and Weill Cornell Medicine have a cooperative process for the review and ranking of proposals for the joint programs, which differs depending on the program. If WCM (or Ithaca) have few applications, the committee from one or other institution might review and rank them together. If there are more, separate internal competitions are completed, and the winners from WCM and Ithaca are discussed by the two RAC Chairs to determine the strongest candidate(s) for the program.

The RAC also provides occasional advice to the Vice Provost for Research on other issues related to our research mission. If we have less or equal number of applicants than the number of submissions allowed, the RAC Chair reads all applications to ensure they are of high enough quality to proceed in the application process.

#### Ex officio Non-voting members:

Emmanuel Giannelis

Mary-Margaret Klempa

Kim Holloway (runs all competitions)

Administrative Coordinator: Tracy Gavich

Members for 2017-2018

LS = Life Sciences

PE = Physical Sciences/Engineering

SS = Social Sciences

<b>Name</b>	<b>Department</b>	<b>College</b>	<b>LS/PE</b>	<b>Dates</b>	<b>Net ID</b>
Chris Batten (sabbatical Spring 2018)	ECE	ENG	PE	2020	cb535
Peng Chen	CCB	A&S	PE	2018 (2020)	pc252
Itai Cohen	Physics	A&S	PE	2019	ic64
Lara Estroff	MSE	ENG	PE	2019	lae37
Joe Fetcho (sabbatical 2018)	NBB	A&S	LS	2019	jrf49
Natasza Kurpios	Molecular Medicine	VET	LS	2019	nk378
Hadas Kress- Gazit	MAE	ENG	PE	2020	hk478
Kelly Liu	MBG	CALS	LS	2019	jl53
Mariana Wolfner	MBG	A&S	LS	2020	Mfw5
Chris Wildeman	PAM	CHE	SS	2020	cjw279
Bill Olbricht (Chair)	CBE	ENG	PE	2020	wlo1

Sponsor	Program	Number allowed	Internal deadline	Applicant PI Name	Applicant PI College	Applicant PI Department	Selected by Cornell as nomination?	Sponsor Deadline	Funded by Sponsor?	Used PA Services?
National Science Foundation	CCE-STEM	1	10/2/2017	Shorna Allred Michael Kotlikoff (Emmanuel Giannelis)	CALS Provost	Natural Resources Provosts Office	Kotlikoff (later switched to Giannelis)	2/15/2018 (later changed to April 2018)		
Rita Allen Foundation	Scholars Program	1	10/6/2017	Pamela Chang Amnon Koren Jeongmin Song Elia Tait-Wojno	Vet CALS Vet Vet	Microbiology & Immunology Molecular Biology & Genetics Microbiology & Immunology Microbiology & Immunology	Tait-Wojno	1/19/2018		
National Science Foundation	MRI	3 total (2 low budgrt, 1 high budget)	10/16/2017	Terry Herter David Rubin Warren Zipfel Linda Nicholson Christopher Ober Darrell Schlom Jeffrey Varner	A&S OVPR Eng A&S Eng Eng Eng	Astronomy CLASSE Biomedical Engineering Molecular Biology & Genetics Nanoscale Science & Technology Facility Materials Science & Engineering Chemical & Biomolecular Engineering	Rubin, Ober, Schlom	2/5/2018		
Dreyfus Foundation	Teacher-Scholar Awards	1	11/9/2017	Yimon Aye Jir Suntivich	A&S Eng	Chemistry & Chemical Biology Materials Science & Engineering	Suntivich	2/8/2018		
Brain Research Foundation	Seed Grants	1(WCM)	11/14/2017	none						
National Science Foundation	S-STEM	1 (each college)	11/15/2017	Olena Vatamaniuk	CALS	Soil & Crop Sciences	yes	3/28/2018		

National Institutes of Health	Outstanding New Environmental Scientist (ONES) Award (R01)	2	11/30/2017	Neil Lewis Matthew Reid	CALS Eng	Communication Civil & Environmental Engineering	Both	2/27/2018	Both withdrew applications	
National Science Foundation	Partnerships for Innovation	2	12/15/2017	Debdeep Jena Monroe Weber-Shirk	Eng Eng	Electrical & Computer Engineering Civil & Environmental Engineering	Both	2/1/2018		
National Institutes of Health	NCI F99/K00	1	1/8/2018	Arash Latifkar Wilfred Leung Jennie Sims Robert Yamulla	A&S Vet A&S Vet	Chemistry & Chemical Biology Biomedical Sciences Molecular Biology & Genetics Biomedical Sciences	Latifkar			
Blavatnik Foundation	Young Scientist	15	1/17/2018	7 applicants						
Department of Energy	Energy Frontiers Research Centers (EFRC)	3	1/17/2018	Hector Abruna Daniel Ralph	A&S A&S	Chemistry & Chemical Biology Physics	Both	1/31/2018 (pre-application)		
National Institutes of Health	Environmental Health Sciences Core Centers (EHSCC)	1	1/19/2018	None						
National Institutes of Health	Postbaccalaureate Research Education Program (PREP)	1	1/24/2018	none						
Ono Pharma Foundation	Breakthrough Science Initiative Awards Program: Chemical Biology Research	2	1/31/2018	Christopher Alabi Yimon Aye Jeremy Baskin	Eng A&S A&S	Chemical & Biomolecular Engineering Chemistry & Chemical Biology Chemistry & Chemical Biology	Alabi, Baskin	2/28/2018		
Department of Justice	Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence and Stalking on Campus	1	2/2/2018	None						

National Institutes of Health	Data Science Research: Personal Health Libraries for Consumers and Patients (R01)	1	2/2/2018	None						
Packard Foundation	Fellowships for Science and Engineering	2 (WCM)	2/8/2018	Buz Barstow Martin Gilbert Steven Josefowicz Song Lin Brad Ramshaw Matthew Reid Michael Sheehan Ying Sun Hagen Tilgner (WCM) Alex Townsend Maren Vitousek Andrew Wilson	CALS Vet WCM A&S A&S Eng A&S CALS WCM A&S A&S Eng	Biological & Environmental Engineering Population Medicine & Diagnostic Sciences N/A Chemistry & Chemical Biology Physics Civil & Environmental Engineering Neurobiology & Behavior Soil & Crop Sciences N/A Mathematics Ecology & Evolutionary Biology Operations Research & Information Engineering	Ramshgaw & Ying Sun	3/15/2018		
Foundation for Food and Agriculture Research	NEW INNOVATOR IN FOOD AND AGRICULTURE RESEARCH	2	2/12/2018	Tory Hendry	CALS	Microbiology	Hendry	2/28/2018		
NYS	FuzeHub: Manufacturing Innovation Fund	3	2/13/2018	Tom Schryver	HF/College of Business	Center for Regional Economic Advancement	Schryver	2/28/2018		
Breast Cancer Alliance	Exceptional Project Grants	3	3/2/2018	Chih-Chang Chu Lara Estroff Gerlinde Van Der Walle	CHE Eng Vet	Fiber Science & Apparel Design Materials Science & Engineering Baker Institute	All	4/6/2018		
Agilent Technologies	Early Career Award	1 (2 if wanted)	12/11/2018	Ilana Brito Pamela Chang Iwijn De Vlaminck	Eng Vet Eng	Biomedical Engineering Microbiology & Immunology Biomedical Engineering	Brito, De Vlaminck			