Dear reader,
Welcome to our monthly Research Council Newsletter. We have exciting opportunities and announcements below. If you have anything to contribute to the next newsletter, or have any questions, comments, and/or feedback, please send them to Drs. Abraham Palmer (aapalmer@ucsd.edu), Murray Stein (mstein@ucsd.edu) and Ms. Lindsay Gomez (l2gomez@ucsd.edu). Information about the Research Council can be found here https://medschool.ucsd.edu/som/psychiatry/research/Pages/default.aspx.

The Department of Psychiatry is on Twitter, please follow us @PsychiatryUCSD! If you want your work/findings/funding/awards to be promoted by the department’s account please feel free to tag @PsychiatryUCSD and we will retweet to all of our followers.

**RECENT RECOGNITIONS**

- Congratulations to Dr. **Ryan Trim** in receiving a mid-career award from the APA Division 50 (Addiction Psychology) annual conference!

**SEMINARS & GRAND ROUNDS**

- **Department of Psychiatry K/R Talk**  
  **Monday, February 10, 2020 from 4-5pm** in the Biomedical Science Building, room 2071  
  **Laika Aguinaldo, PhD**  
  Postdoctoral Fellow, Department of Psychiatry, UCSD  
  Title: **Leveraging Novel Methods to Identify the Neural Mechanisms Underlying the Sleep-Suicidality Link with Adolescent Inpatients**
- **Human Medical and Population Genetics Seminar Series**
  Biweekly on Mondays from 12:30-1:30pm in Leichtag Room 107 (with a few exceptions noted on the schedule), complete schedule can be found here: https://gymreklab.github.io/teaching/medpopgen_seminar.html. We plan to have pizza or something similar for lunch served for all talks.

- **Neurosciences Graduate Program 2019-2020 Seminar Series**
  The Graduate Program’s weekly seminar series meets during the academic year on Tuesdays at 4pm in the Center for Neural Circuits and Behavior (CNCB) Marilyn Farquhar Seminar Room and features invited speakers from around the country. For more information, visit https://medschool.ucsd.edu/education/neurograd/about/Pages/seminar-series.aspx.

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### NEWLY FUNDED GRANTS

<table>
<thead>
<tr>
<th>Researcher Name</th>
<th>Title</th>
<th>Type of Grant</th>
<th>Project Period</th>
<th>Total Cost</th>
<th>Funding Agency</th>
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<tbody>
<tr>
<td>Kremen, William &amp; Franz, Carol</td>
<td>The VETSA Longitudinal Twin Study of Cognition and Aging (VETSA 4)</td>
<td>R01</td>
<td>04/01/20-03/31/25</td>
<td>$19,285,292</td>
<td>National Institute on Aging</td>
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<td>Taffe, Michael</td>
<td>Immunopharmacotherapy for Methamphetamine Addiction</td>
<td>R01</td>
<td>01/01/2020 – 05/31/2020</td>
<td>$158,286</td>
<td>NIH NIDA</td>
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### PUBLICATIONS OF NOTE


“Opioid Dependence Found to Permanently Change Brains of Rats”
January 24, 2020
UCSD Newsroom
Features Giordano de Guglielmo, PharmD, PhD, and Marsida Kallupi, PharmD, PhD

“Solving Depression and Anxiety in Veterans”
January 24, 2020
Newsmax Health
Features Murray Stein, MD, MPH

“Only the lonely: UC San Diego researchers look at risks, therapies for seniors”
January 23, 2020
The Charlotte Observer
Features Dilip Jeste, MD

“Who’s up for a little gut gardening?”
January 23, 2020
San Diego Union Tribune
Features Tom Patterson, PhD, and Steffanie Strathdee, PhD

“Being lonely takes years off your life and ‘is as dangerous as smoking and being FAT’ – but accepting the ‘ageing process’ could help you avoid feeling alone”
January 20, 2020
Daily Mail
Features Dilip Jeste, MD

“Alcohol addiction, abstinence restructures brain causing changes in functioning”
January 19, 2020
Daily Hunt
Features Olivier George, PhD

“In Mice, Alcohol Dependence Results in Brain-Wide Remodeling of Functional Architecture”
January 14, 2020
UCSD Newsroom
Features Olivier George, PhD

“Dopamine Influences Rapid Weight Loss”
January 13, 2020
UCSD Health Sciences: From The Newsroom
Features Stephanie Dulawa, PhD
“Lonely in a Crowd: Overcoming Loneliness with Acceptance and Wisdom”
January 10, 2020
UCSD Newsroom
Features Dilip Jeste, MD

“Veterans’ Study Shows Genetic Origins of Anxiety”
January 10, 2020
U.S. News & World Report
Features Murray Stein, MD

“Testing drivers for cannabis is hard. Here’s why.”
January 02, 2020
CNN
Features Thomas Marcotte, PhD

“Objective Subtle Cognitive Difficulties Predict Amyloid Accumulation and Neurodegeneration”
December 30, 2019
UCSD Newsroom
Features Mark Bondi, PhD, and Kelsey Thomas, PhD

“Finding Meaning in Life Linked to Physical/Mental Wellness”
December 27, 2019
Psych Central
Features Dilip Jeste, MD

“Measuring Mutation ins sperm May Reveal Risk for Autism in Future Children”
December 23, 2019
UCSD Newsroom
Features Jonathan Sebat, PhD, Joseph Gleeson, MD, and Martin Breuss, PhD

Funding Opportunity: The GEM Challenge 2020
Galvanizing Engineering in Medicine (GEM) is a collaboration between UC San Diego Altman Clinical and Translational Research Institute (ACTRI) and the Institute of Engineering in Medicine (IEM) in the Jacobs School of Engineering.

GEM is pleased to announce the seventh round of competitions to identify clinical challenges for which engineering solutions can be developed and implemented. Awards in the range of $30,000 per year for 2 years will be given. Funding for the second year will be dependent on progress and availability of funding.
We invite teams that include at least one Clinically Active UCSD Faculty Member and one Engineering Faculty Member to submit a proposal with two sections. Section One should describe a specific medical challenge or unmet need that presents an opportunity for innovation involving an engineering solution to improve patient care. Healthcare improvement may be achieved through innovation in disease prevention, diagnosis, monitoring and/or treatment. In Section Two, the team should describe in detail the engineering technology that will be developed to solve the problem.

Clinical Faculty who are looking for an Engineering Faculty partner or vice-versa should contact Dr. Deborah Spector (dspector@health.ucsd.edu) or Dr. Andrew McCulloch (amcculloch@eng.ucsd.edu).

**Application Deadline: Monday, April 6, 2020 by 5:00 p.m. PST**

Notice of Awards: June 1, 2020
Funding Cycle: July 1, 2020 – June 30, 2022
Total Award for Clinician/Engineer Team - $30,000 per year for 2 years

The full RFA, application instructions, and a description of GEM Challenge projects that have previously been selected for funding can be found at the following site:

Please contact Dr. Deborah Spector (dspector@health.ucsd.edu) or Kathleen Kennedy (kkennedy@health.ucsd.edu; 858-822-0268) with any questions about this RFA or the application process.

**KIBM IRG Program 2020-2021**

The Kavli Institute for Brain and Mind is now inviting applications for Innovative Research Grants (IRGs) to support novel and interdisciplinary brain-mind research in 2020-21. Please review the following website for program details: [https://kibm.ucsd.edu/research/innovative-research-grants](https://kibm.ucsd.edu/research/innovative-research-grants)

The deadline for proposals is **Thursday, February 27, 2020, 11:59pm PST.**
This grant program was made possible by generous support from The Kavli Foundation.

**Applications to Fund Research Projects and Travel to Scholarly Meetings**

Each year the Academic Senate solicits applications for research and travel funding from Senate members and eligible non-Senate research faculty.

For information about **travel to scholarly meetings**, go here [http://senate.ucsd.edu/grants-awards/grant-funding/health-sciences-travel/](http://senate.ucsd.edu/grants-awards/grant-funding/health-sciences-travel/).

**Applications may be submitted anytime but must be received prior to the conference date.**
<table>
<thead>
<tr>
<th>FOUNDATION/ORGANIZATION</th>
<th>AWARD (US$)</th>
<th>LTD SUBM / ORG DEADLINE</th>
<th>SPECIAL HANDLING</th>
<th>Tag</th>
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<tbody>
<tr>
<td>Global Innovation Fund</td>
<td>Flexible</td>
<td>Ongoing</td>
<td>_</td>
<td>Social Sciences</td>
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<td>Social Impact at Large Scale</td>
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<td>Wellcome Trust</td>
<td>&lt;$750,000</td>
<td>Ongoing</td>
<td>_</td>
<td>Biomedical</td>
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<td>Innovator Awards</td>
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<tr>
<td>Canadian Institute for Advanced Research (CIFAR)</td>
<td>$100,000</td>
<td>TBC</td>
<td>_</td>
<td>Young Investigator</td>
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<td>Azrieli Global Scholars Fund</td>
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**OTHER NEWS**

**Psilocybin Assisted Psychotherapy Study for Treatment-Resistant-Depression**

**The study**
UC San Diego (Sid Zisook, PI) is taking part in a worldwide multi-centre study investigating the effects of psilocybin in treatment-resistant depression. The study is sponsored by COMPASS Pathways and listed on clinicaltrials.gov.

The study will analyze the effects of a single administration of psilocybin at three doses (1mg, 10mg, 25mg). All patients on antidepressants must taper off them within 3-6 weeks prior to baseline (the study team will manage this). The study includes 13-16 visits, two of which can be done remotely, over a 15-18-week period. **A specially trained study therapist will support every participant before, during and after the psilocybin session.**

**How to refer a patient**
Only patients who have tried two, three or four anti-depressants without success for their current episode of depression are eligible for this trial. If single episode, it must be more than 3 months but less than 2 years. Patients interested in joining this trial who satisfy the eligibility criteria below need to be referred by their physician in order to be considered for the study. If you have a patient who may be suitable, please contact: [Sid Zisook; szisook@health.ucsd.edu; 858-249-1371 or Lauren Cardoso; PsilocybinStudy@health.ucsd.edu; 858-657-6669]
Is your patient eligible for this study?

<table>
<thead>
<tr>
<th>Principal inclusion criteria</th>
<th>Principal exclusion criteria</th>
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<tr>
<td>Ø Age: 18 – 55</td>
<td>Ø Current, or history of, psychosis, schizophrenia, personality disorders, or bipolar disorder</td>
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<tr>
<td>Ø Failure to respond to 2, 3 or 4 pharmacological treatments for current episode of depression</td>
<td>Ø Depression secondary to other medical conditions</td>
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<tr>
<td>Ø At least moderate Major Depressive Disorder (single or recurrent episode as defined by DSM-5; if single episode, duration of ≥3 months and ≤2 years)</td>
<td>Ø ECT or ketamine for current episode</td>
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<td>Ø High risk of suicide</td>
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<td>Ø Alcohol or drug abuse in the last year</td>
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<td></td>
<td>Ø Cardiovascular conditions, such as myocardial infarction, in the last year</td>
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<td></td>
<td>Ø Seizure disorder</td>
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<td></td>
<td>Ø Uncontrolled insulin dependent diabetes</td>
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</table>

For more information please contact: [Lauren Cardoso: PsilocybinStudy@health.ucsd.edu; 858-657-6669]

**Eligibility for Limited-Submission Funding Opportunities**

The Office of Research Affairs (ORA) provides coordination for all funding programs in which extramural sponsors limit the number of proposals that may be submitted from a single institution. Prospective applicants should consult https://ucsd.infoready4.com/ or contact the limited-submission program (limitedsub@ucsd.edu) for details of process prior to developing a full application. To receive notices, you must opt in to an email list by visiting https://ucsd.infoready4.com/

To ensure applications from UC San Diego are accepted, and to ensure sufficient time for PIs to meet complex proposal requirements, internal deadlines often fall weeks to months in advance of the sponsors’ deadlines. Announcements are posted on an internal portal and distributed campus-wide through two opt-in listservs dedicated to general and biomedical funding programs. Links to subscribe, as well as current opportunities, can be found at the link above.

The Research Proposal Development Service (RPDS) in the Office of Research Affairs is pleased to send you the January 2020 issue of Research Development & Grant Writing News. This newsletter contains material that may be of interest to UCSD faculty, researchers, staff, postdoctoral scholars, and graduate students.

Articles in this issue include:
- Consider Foundations as Potential Funders
- Humanities and Arts Funding Opportunities and News
- If You Name It, Explain It
In Proposals, Less is Often More
AI's Future Impact on STEM Education
Don’t Sell the Funding Solicitation Short
Create a Process for Adding Team Members to Your Proposals (reprinted from March 2017 issue)

+ plus these regular newsletter features:
• Research Grant Writing Web Resources
• Educational Grant Writing Web Resources
• Agency Research News
• Agency Reports, Workshops & Research Roadmaps
• New Funding Opportunities

Previous issues of the monthly newsletter can be downloaded from this page (single sign-on required).

The attached newsletter mentions the New Faculty Guide to Competing for Research Funding and the Strategies for Planning, Developing, and Writing Large Team Grants eBook. Please Note: Within UCSD the newsletters and the two aforementioned resources may be copied, duplicated, distributed electronically, in whole or in part. The terms of our institutional subscription require that we do not distribute outside UCSD nor post to a website accessible by those outside UCSD.

Those not yet subscribed to the UCSD Funding List, through which RPDS sends out selected research funding opportunity announcements, including those for limited-submission programs, are invited to subscribe online:
https://lists.ucsd.edu/mailman/listinfo/funding-announcements

Tobacco-Related Disease Research Program (TRDRP) 2020 Call for Applications
The Tobacco-Related Disease Research Program (TRDRP) of California administers the portion of state retail taxes on tobacco products that are designated for research within California. This unique source of funding supports investigators at eligible California institutions whose research contributes directly to the elimination of smoking and the use of tobacco products and mitigates the human and economic costs of tobacco product use in California. Under the 2019 call for applications, TRDRP awarded over $57 million dollars to 28 institutions across California.

Changes and Key Requirements for the 2020 Call
• TRDRP will only have one grant cycle for the 2019-2020 fiscal year. See Key Dates for important deadlines.
• All applications received for the 2020 Call must clearly address tobacco or tobacco-related disease. A focus on the biological effects of nicotine and flavorants is particularly encouraged.
• Applicants are required to determine whether the sex of an animal model or human subject should be considered as a biological variable when designing their experiments.
• Applications for the “Research Award” award type must focus on tobacco-related health disparities or research on new and emerging tobacco products.
Two new award types have been added: Rapid Response Research to Accelerate Policy, and Community-Partnered Participatory Research Award. Applicant teams are required to review and respond to a separate RFA for these grant types that will be available in late October 2019.

Submission of a letter of intent (LOI) is required, including for resubmitted applications, except for the Rapid Response Research to Accelerate Policy Award and the Community-Partnered Participatory Research Award.

Review the full Call for Applications here and go to http://www.trdrp.org/ for LOI/Application instructions and information on how to access the application submission system.

We encourage applicants to contact TRDRP program officers with questions regarding eligibility requirements before submitting an LOI or application.