

TRDRP

2018 Call for Applications

Applicant Informational Webinar

July 27 and August 3, 2017

Outline

- **TRDRP overview and mission**
- **Highlights of the 2018 award cycle – major changes**
- **Research priorities**
- **Grant types, peer-review criteria and component scoring**
- **Key guidance to applicants**
- **LOI submission process**
- **Q&A**

TRDRP: One of the Three Arms of Tobacco Control in California



Health Promotion/Treatment
CA Dept. of Public Health



Prevention
CA Dept. of Education



Research
Univ. of California, TRDRP

TRDRP: Funds research that enhances understanding of tobacco use, prevention and cessation, the social, economic and policy-related aspects of tobacco use, and tobacco-related diseases in California.

TRDRP is a statewide funding agency supported by revenue resources:

- “The Tobacco Tax and Health Protection Act of 1988” (**Proposition 99**)
 - 25¢ per pack cigarette surtax for cessation, prevention, and research
 - 5¢ of each \$1 collected supports tobacco-related research

- “The California Healthcare, Research and Prevention Tobacco Tax Act of 2016 (**Proposition 56**)”
 - Increased the retail tax on tobacco products by \$2
 - To expand research into the causes, early detection, and effective treatment, care, prevention, and potential cure of all types of cancer, cardiovascular and lung disease, oral disease, and tobacco-related diseases to ultimately save lives, and as a result, enhance the economy of the state.

2018 Call for Applications: Major Changes

- Invites research that encompasses flexibility extended by Proposition 56
- Balances the focus on tobacco related research with the new and expanded research priorities
- Consists of two funding cycles each year to allow efficient and timely peer-review process, with resubmission opportunity within same year
- Offers new research supplemental, career and training awards
- Increases direct cap amounts that reflect current cost of research

2018 : Cycle Calendar

- 2017-18 Cycle A
 - Jul: call released
 - Jul/Aug: LOIs due
- **Sep 25: applications due**
 - Jan: applicants notified
 - Mar-Apr: project start

- 2017-18 Cycle B
 - Dec/Feb: LOIs due
- **Feb 28: applications due**
 - Mar: resubmissions due
 - Jun: applicants notified
 - July 1: project start

2018 : Current Research Priorities

- Tobacco-Related Health Disparities
 - Cancer Prevention, Treatment, and Biology
 - Cardiovascular and Cerebrovascular Diseases
 - Environmental Exposure and Toxicology
 - Neuroscience of Nicotine Addiction and Treatment
 - Oral Diseases and Dental Health [new]
 - Pulmonary Biology and Lung Diseases
 - State and Local Tobacco Control Policy Research
- All TRDRP research priorities encourage studies designed to directly address disparities in tobacco use and the diseases that result.
 - Expectations for **community engagement** and community participation are integrated into all award mechanisms at a level appropriate to the proposal type.

Tobacco-Related Health Disparities

2018 Focus Areas

- Optimizing tobacco-related prevention interventions
- Innovative tobacco cessation and cannabis-related interventions
- Harm reduction interventions
- Prevent and reduce child, adolescent, and young adult tobacco use and secondhand smoke exposure
- Impacting the social determinants of tobacco-related health disparities
- Self-reported health effects & contextual factors of new tobacco product and cannabis use

Cancer Prevention, Treatment, and Biology

2018 Focus Areas

- Development and dissemination of cancer prevention strategies to address cancer health disparities in California.
- Health care policy and practice research that addresses cancer health disparities in California.
- Translational research to implement new therapies and patient care strategies in community clinical settings.
- Basic research of cancer pathophysiology.

Cardiovascular and Cerebrovascular Diseases

2018 Focus Areas

- Molecular and cellular pathways of initiation and progression of CVD and CVAs (*vascular function, inflammation, oxidative stress*)
- Atherosclerosis, hypertension, risk of heart failure
- Risk evaluation, prevention, diagnosis and treatment
- Genetics, epidemiology, big data-based population science, lifestyle and prevention strategies
- New tobacco and nicotine products on cardiovascular system
- New diagnostic tools assays, devices, technologies or treatments
- Lifestyle, obesity, and dietary factors leading to CVD
- Designing new interventions to prevention
- Causative parameters of heart disease and endodontitis and tobacco use

Environmental Exposure and Toxicology

2018 Focus Areas

- Electronic cigarettes, new products and indoor environment
- Secondhand Smoke (SHS)
- Thirdhand Smoke (THS)
- Tobacco product waste pollution
- ***Examples of relevant research topics***
- Toxicity levels, and markers of exposure to electronic cigarette constituents and aerosol
- Exposure science of cannabis as a gateway to tobacco use, co-use and exposure
- Exposure due to co-substance use;
- New products (Heat not Burn) exposure science and toxicology

Neuroscience of Nicotine Addiction and Treatment

2018 Focus Areas

- Continuum of nicotine addiction and treatment
- Human studies of addiction
- Potential harm of new products
- New cessation strategies, including new products
- Co-use with alcohol and cannabis

Oral Diseases and Dental Health

2018 Focus Areas

- Molecular and cellular aspect of oral disease
- Tools and diagnostic methods of early detection of oral diseases
- Oral epithelial dysplasia as a risk of oral cancer: biology and early detection
- Oral microbial biofilms and disease progression
- Basic and applied research in periodontitis, chronic and opportunistic infections of the mouth
- Dental caries risk factors and issues related to dietary sugars
- Oral disease prevention through community-clinic partnerships
- Innovative research to address disparities in dental health access and oral disease pathogenesis

Pulmonary Biology and Lung Diseases

2018 Focus Areas

- Mechanistic studies to better define COPD
- Etiology of asthma; basic to advance research to understand and develop diagnostic approaches, especially for children of disproportionately affected populations
- Upper respiratory tract inflammation and infections
- Immune system-mediated disorders of lung
- Acute and chronic disease related to new and emerging tobacco products
- Lung development, pre-natal and neonatal lung exposure to tobacco toxins
- Diagnostic and therapeutic approaches to prevention and treatment of lung diseases
- Regional and societal heterogeneity and epidemiological assessments of exposures that are determinants of lung diseases
- Consequences leading to use of or exposure to Cannabis and Cannabinoids, both in co-use settings of tobacco smoke or alone

State and Local Tobacco Control Policy Research

2018 Focus Areas

- Downstream effects from California's changing tobacco control policy landscape
- Training to expand tobacco control capacity and leadership
- Menthol and other flavored tobacco regulation
- Countering tobacco industry marketing & corporate social responsibility efforts
- Reducing tobacco product waste and protecting the environment through policymaking
- Protecting youth from tobacco and cannabis exposure
- Tobacco policy interactions with state cannabis policy
- Impact of federal and global tobacco control policy on California policymaking
- Tobacco industry influence

TRDRP Grant Types -1

Grant Mechanism	Maximum Award/Year (Direct Cost)	Maximum Award Duration (Years)	Purpose of Award
1. High Impact Research Project Award	\$250,000/year	3	To conduct research that will achieve or advance work towards achieving high impact within one or more stated research priorities
2. High Impact Pilot Research Award	\$200,000/year	2	To gather preliminary data or demonstrate proof-of-principle with potential for high within one or more stated research priorities
3. New Investigator Award	\$200,000/year	3	To support and enable new investigators to initiate an independent research program with potential for high impact within one or more stated research priorities

TRDRP Grant Types -2

Grant Mechanism	Maximum Award/Year (Direct Cost)	Maximum Award Duration (Years)	Purpose of Award
4. Postdoctoral Fellowship Award	60,000/year with <u>100%</u> effort	3	To support postdoctoral research training under a designated mentor for conducting high within one or more stated research priorities
5. Predoctoral Research Fellowship Award	\$30,000/year	3	To support the research duration and training of predoctoral students by a mentor for conducting dissertation research after course completion
6. Community Practice-Based Research Planning Award	\$200,000/year	2	To support partnership development among health service researchers and healthcare practitioners to promote sustainable system change in tobacco cessation efforts at healthcare clinics

TRDRP Grant Supplements

Student Research Supplement Award	Allow active research training and participation by an undergraduate or graduate student under the mentorship of a currently-funded TRDRP PI of a non-training award. Supplements are above the award mechanism cap.	\$20,000	1
Cornelius Hopper Diversity Award Supplement	Train promising individuals from underrepresented communities and/or those who wish to pursue careers in one or more stated research priorities focused on underserved communities.	\$20,000/year	2

Supplement Award applications will be accepted as a part of the mentoring PI's application. Decision on awarding supplements will be made after applications have been peer-reviewed and selected for funding by the TRDRP Scientific Advisory Committee (SAC).

TRDRP Review Criteria at a Glance

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	Review Criteria	Postdoctoral Fellowship Award	High Impact Pilot Research Award	High Impact Research Project Award	New Investigator Award	Predocutorial Research Fellowship Award	Community Practice-Based Research Planning Award
							<i>*Impact: scored separately for overall impact of the proposed research in both context of science field or California focus</i>
1	Scored Criteria Set #1 (30% scoring weight)	<ul style="list-style-type: none"> Qualifications of the applicant, background and potential training 	<ul style="list-style-type: none"> Responsiveness to Intent of the Award Type: Pilot project Innovation 	<ul style="list-style-type: none"> Responsiveness to Intent of the Award Type: Full Project Innovation 	<ul style="list-style-type: none"> Responsiveness to Intent of the Award Type: Innovation 	<ul style="list-style-type: none"> Qualifications of the Applicant: Training potential 	<ul style="list-style-type: none"> Responsiveness to Intent of the Award Type Potential for the Proposed Work to Inform Practice and Policy Innovation
2	Scored Criteria Set #2 (50% scoring weight)	<ul style="list-style-type: none"> Research Plan Training Plan 	<ul style="list-style-type: none"> Research Plan Near Term Leveraging Potential 	<ul style="list-style-type: none"> Significance Research Plan 	<ul style="list-style-type: none"> Significance Research Plan New Investigator status and research team 	<ul style="list-style-type: none"> Training Plan Research Plan 	<ul style="list-style-type: none"> Research Plan
3	Scored Criteria Set #3 (20% scoring weight)	<ul style="list-style-type: none"> Mentor's Qualifications and commitment Environment Community Engagement and Communication Plan** 	<ul style="list-style-type: none"> Investigators Environment Community Engagement and Communication Plan** 	<ul style="list-style-type: none"> Investigators Environment Community Engagement and Communication Plan** 	<ul style="list-style-type: none"> <u>Near term leveraging potential</u> Environment Community Engagement and Communication Plan** 	<ul style="list-style-type: none"> Mentor's Qualifications and commitment Environment Community Engagement and Communication Plan** 	<ul style="list-style-type: none"> Collaboration Investigators Environment: Community Engagement and Communication Plan**
	Other Considerations: <ul style="list-style-type: none"> Protection of Human Subjects from Research Risk Inclusion of Women, Minorities and Children in Research Care and Use of Vertebrate Animals in Research Biohazards Relevance of the proposed research to a tobacco-related area 						

Community Engagement

1. Emphasis on Community Engagement

- Expectations for community engagement and community participation are integrated into all award mechanisms at a level appropriate to the type of research including all Biomedical, socio-behavioral, and policy research
- Resources describing framework and application of Community Engagement in academic research can be found on the FAQ Section on **TRDRP website**
- Investigators are encouraged to consider novel approaches to engage community residents and organizations in a manner that is complementary to the proposed research project

Key Guidance to Applicants

- Access to application submission material is dependent on programmatic approval of the LOI, which must be submitted before the LOI deadline
- Proposition 56 mandate requires that all research dollars must be used within California.
- Since the bulk of TRDRP research funds are from Proposition 56, the majority of projects funded in the upcoming TRDRP cycles must be performed entirely within California – plan your project and budget accordingly
- TRDRP research funding, however, comes from multiple sources, and there is a small amount of funding for projects with out-of-state components. In those cases, part of the work may be done outside California if the need to do so is well-justified. Be sure to discuss this with TRDRP
- TRDRP staff are available to clarify new priorities and grant requirements

How to submit a proposal

- Go to TRDRP website (<http://trdrp.org>) to download PDF Instructions on how to submit an LOI and application (<http://trdrp.org/files/2018-how-to-submit-a-proposal.pdf>)

Q & A