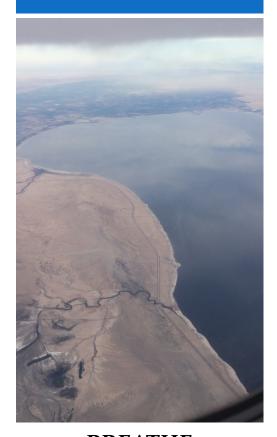
BREATHE Affiliates

(partial list)
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College of Engineering Center for
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BREATHE

Bridging Regional Ecology, Aerosolized Toxins, and Health Effects

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BREATHE

2nd Annual Workshop May 17, 2019

SOM Edu G650







Welcome to our 2nd Annual BREATHE Workshop

We have come quite a way from our origins as a cluster proposal! We now have recently completed our cluster hiring, with a few more hires than originally approved. Several collaborations are now in progress; two papers from these collaborations already published, and more are already in the works. We were asked to testify before the State Assembly Water, Parks and Wildlife Committee regarding the Salton Sea Management Plan. Several grant applications have been submitted for research originating in BREATHE projects; we're learning from some and optimistic about the prospects of others. Meanwhile, the scope of our ongoing research projects is expanding.

One major focus has been on the Coachella Valley as a living laboratory. There are studies on transport of aerosol particulates, the Salton Sea as an unstable ecosystem, and of course, the health impacts, especially in the context of health and socioeconomic disparities.

AGENDA UCR SOM G650

11:00am Welcome, Introductions

11:05am Ann Cheney, Luanne Carlson UCR School of Medicine Center for Healthy Communities Asthma in the Coachella Valley

11:20am **Ying-Hsuan Lin**Environmental Sciences
Electrophilic and oxidative
potential of atmospheric organic
aerosols

11:35am LUNCH served

11:45am **Sunni Ivey**Chemical and Environmental
Engineering
Personal PM2.5 exposure in the
Inland Empire

12:00pm Erica Heinrich
Biomedical Sciences, SOM
Individual variation in the control
of breathing and its impact on health

12:15pm Roundtable Discussion: **Coachella Valley health**



AGENDA UCR SOM G650

12:45pm BREAK

1:00pm **Sydney Glassman**Microbiolgy and Plant Pathology
Microbial response to California
wildfires

1:15pm **Roya Bahreini**Environmental Sciences **Salton Sea dust characterization**

1:30pm Mona Eskandari Mechanical Engineering Mechanics of the lung

1:45pm Charlie Zender, UCI
Air quality reduction due to the shrinking Salton Sea

2:00pm Roundtable Discussion:

Dust and cocci sampling

methodologies

2:30pm BREAK

3:00pm Plenary – G650 Morgan Gorris, UC Irvine Using climate and environmental data to understand Valley Fever disease dynamics

4:00pm ADJOURN

Thanks to Will Porter and Emma Aronson for organizing this workshop!