

Organization Name:

UA Southwest Environmental Health Sciences Center (SWEHSC), Implementation Resource for Translational and Human Exposure Research (IRTH)

Organization Background:

Tell us about your organization. When was the organization established? How are you involved in the community? Do you serve primarily one group of people? How will this project affect your organization? Include organization website URL here if applicable.

The Southwest Environmental Health Sciences Center (SWEHSC) is a collaborative and interdisciplinary research center, which is actively investigating the health effects of environmental agents and serving as a resource for the community.

Internship Project Title

Environmental Health Research Intern

Project Description:

Describe the project fully. What is the scope of desired/expected activities? Are there any specialized skills needed or necessary to do the job? List those who will be involved (units, departments, etc.). What are the expected outcomes and deliverables? In addition, are there other relevant project deadlines or work schedule expectations applicants should be aware of before applying?

The Implementation Resource for Translational and Human Exposure Research (IRTH) Facility within the Southwest Environmental Health Sciences Center (SWEHSC) at the University of Arizona is a dynamic research facility dedicated to advancing environmental health research, promoting community engagement, and improving the well-being of communities affected by environmental exposures. Our multidisciplinary team is committed to conducting cutting-edge research, collaborating with communities, and translating scientific findings into actionable solutions.

As an Environmental Health Research Intern at IRTTH you will have the unique opportunity to work on impactful projects that bridge the gap between scientific research and community well-being. This internship offers hands-on experience in community engagement, exposure assessment methodologies, regulatory compliance, study design, and collaboration building for translational environmental health research.

DUTIES AND RESPONSABILITIES:

1. Community Engagement Strategy

Collaborate to develop strategies for community engagement to ensure buy-in from community partners and effective participant recruitment for research studies.

2. Exposure Estimation and Measurement

Provide scientific guidance and practical training in exposure estimation and measurement techniques, including exposure modeling, GIS (Geographic

Information Systems) methodologies, and sampling of environmental media (air, water, dust, soil) and human biomarkers.

3. Community-Engaged Research

Assist in the implementation of community-engaged research, including consultation on meeting internal and external regulatory requirements related to research ethics and data collection such as IRB.

4. Study Design and Mechanistic Research

Work with researchers to design studies aimed at understanding the biological mechanisms underlying findings from epidemiological research.

Contribute to the development of human studies designed to assess interventions aimed at reducing the impact of environmental exposures based on mechanistic research findings.

5. Collaboration Building

Help identify potential collaborators, both within the organization and externally, for translational environmental health research projects.

Facilitate communication and partnership development with community organizations, regulatory bodies, and research institutions as needed.

Internship project keywords (check all that apply).

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| ☒ Health Disparities | ☐ Tobacco Use |
| ☐ Public Health Preparedness | ☐ Injury/Violence Prevention |
| ☒ Collaborations with Community | ☐ Immunization |
| ☒ Collaborations with University | ☐ Infectious Disease |
| ☐ Community health service | ☐ Oral Health |
| ☐ Physical Activity | ☐ Evaluation |
| ☐ Substance Abuse | ☐ Policy Development |
| ☐ Mental Health | ☒ Program Planning |
| ☐ Access to care | ☒ Data Analysis |
| ☐ Nutrition | ☐ Other Click or tap here to enter text. |
| ☐ Reproductive/Sexual Health | |
| ☒ Environmental Health | |
| ☒ Maternal/Infant Health | |

When: When do you want the work done? Check all that apply.

- ☒Fall Semester
- ☒Spring Semester
- ☒Summer Term
- ☒I want this listing to remain active indefinitely and we will accept applications from students for any upcoming semester.
- ☐This listing is only for a specific semester/term: _____

Where:

Organization Mailing Address: **Medical Research Building (MRB) 130, 1656 E. Mabel St. Tucson, AZ 85721**

Address where Student will work (if different from above): *Click or tap here to enter text.*

☒ Check here if the student may have the option to work remotely from a site not listed above for all or part of this project.

Student Characteristics:

What kind of student might be a good fit for this project? For example, do you need mathematical expertise, organizational talent, a person comfortable with public speaking?

- Pursuing a degree in environmental and occupational health, public health, environmental science, or a related field.
- Enthusiasm for environmental health research and community engagement.
- Strong analytical and problem-solving skills.
- Excellent communication skills and the ability to work collaboratively in a team.
- Familiarity with environmental health and public health methods and techniques, and community-based research is a plus.
- Proficiency in relevant software tools such as Microsoft, RedCap and Qualtrics is a plus.

Level of Expertise Needed: *Do you wish to request an MPH program intern or an undergraduate public health program intern?*

Undergraduate: The internship for undergraduates should provide an experience that allows students to incorporate classroom learning into public health practice.

Graduate: Applied experiences for graduate students should require application of advanced knowledge and skills to the solution of health problems and the production of at least two agency-based deliverables.

Both experiences prepare students for future employment.

☐ MPH

☒ **Undergraduate**

☐ Either

Supervision

What is the name and title of the person will provide supervision to/of the intern? What is his/her background in terms of academic training and/or expertise in the field?

Pedro Flores Gallardo, MS

Research Specialist for the Southwest Environmental Health Sciences Center (SWEHSC). Current PhD student in Environmental Health Sciences in the College of Public Health. Holds a MS in Chemistry.

Compensation/Benefits/Professional Development

Is a stipend for the work or travel available? Will student be invited to participate in internal or external professional development opportunities? If so, will funding be provided for those experiences (e.g. conference registration, travel, etc.)? Could student be included in publications? Please outline that information.

There is no funding available for this internship.

Student intern can be included in potential publications.

Application Contact Information

They can apply directly to Pedro Flores Gallardo, MS at pflores@arizona.edu. They would need to send a resume/CV and a letter of interest.