



# Fire Service Occupational Cancer Regional Seminar



The dramatic increase in the incidence of occupational cancers is one of the most important problems facing the fire service today. The First Responder Center coordinates the activities of the Fire Service Occupational Cancer Alliance, a collaborative effort among all fire service constituencies to educate personnel about cancer prevention, provide resources for those who have been diagnosed with an occupational cancer and support research to address the disease.

In September 2017, the FSOCA hosted a national symposium focusing solely on fire service occupational cancers, the first event of its kind. Over two days, presentations and workshops covered current research, prevention strategies, presumptive legislation, benefits, and other relevant topics. Based upon the overwhelming positive feedback we are taking the show on the road and conducting regional one day seminars based upon some of the key topics from the symposium.

<b><u>TRAINING DATE:</u></b>	Saturday, November 7, 2020
<b><u>LOCATION:</u></b>	The Cultural Arts Center at Glen Allen
<b><u>ADDRESS:</u></b>	2880 Mountain Road, Glen Allen, VA 23060
<b><u>TIME:</u></b>	8:00AM - 4:30PM
<b><u>REGISTER:</u></b>	<a href="http://firstrespondercenter.org/events">firstrespondercenter.org/events</a>

## **Regional Cancer Seminar Topics Include:**

- An overview of research studies to date, including a discussion of underrepresented groups and research needs
- Modifiable Risk Factors and Healthy Lifestyle
- Exposure Reduction and Implementation Strategies
- Support After the Cancer Diagnosis

## **SPONSORED BY:**



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## **AGENDA**

**0800 – 0815**

### **Overview**

#### **Welcome from Host Department/Agency**

**0815 – 1000**

### **How Did We Get Here and Where Are We Going?**

An overview of research studies to date, including a discussion of underrepresented groups and research needs. This session will also provide an overview of dermal and inhalation carcinogen exposures to firefighters.

**1000 – 1015**

### **Break**

**1015 – 1200**

### **Modifiable Risk Factors and Healthy Lifestyle**

This session will address reducing risk, increasing protective factors, and building resilience through a healthy lifestyle. Wellness best practices regarding diet, exercise, smoking cessation, and sleep, as well as successful programs.

**1200 – 1300**

### **Lunch**

**1300 – 1445**

### **Exposure Reduction and Implementation Strategies**

This session will look at procedures that can be implemented by departments and personnel to reduce exposure at the fire scene, in apparatus and at the fire station. This session will also discuss current advances in PPE development to reduce exposure as well as best practices for fire fighter decontamination processes.

**1445 – 1500**

### **Break**

**1500 – 1600**

### **Support After the Cancer Diagnosis**

This session will provide an overview of the FCSN tool kit and key steps in the cancer treatment process.

**1600 – 1630**

### **Concluding Remarks**

Final remarks will touch on presumptive legislation as well as how an organizations overall culture fits in with implementing change.

**Alberto Caban-Martinez, DO, PhD, MPH, CPH**  
**Assistant Professor of Public Health Sciences**  
**University of Miami, Miller School of Medicine**



Dr. Alberto Caban-Martinez is an occupational epidemiologist, osteopathic physician board certified in public health and Assistant Professor of Public Health Sciences at the University of Miami, Miller School of Medicine and Deputy Director of the Firefighter Cancer Initiative at the Sylvester Comprehensive Cancer Center. He is also a Fellow of the National Academy of Sciences' Gulf Research Program. He currently serves as Principal Investigator of the FEMA-funded national Fire Fighter Cancer Cohort Study Expansion that includes fire investigators, fire trainers, volunteers, and wildland-urban interface firefighters.

**Sara A. Jahnke, PhD**  
**Director, Center for Fire, Rescue, and EMS Health Research**  
**National Development and Research Institutes**



Dr. Jahnke is the Director of the Center for Fire, Rescue, and EMS Health Research at the National Development and Research Institutes, Inc. She completed her doctorate in Psychology with a Health Emphasis at the University of Missouri – Kansas City and the American Heart Associations' Fellowship on the Epidemiology and Prevention of Cardiovascular Disease. Dr. Jahnke has served as the Principal Investigator of several large-scale studies of the health and readiness of the U.S. fire service. She serves as a consultant to fire service organizations including the National Volunteer Fire Council and the National Fallen Firefighters Foundation and is an active member of the Safety, Health, & Survival Section of IAF

**Gavin Horn, PhD**  
**Firefighter and Director of Research**  
**Illinois Fire Service Institute**



Gavin Horn has served as the Director of IFSI Research since August 2004, immediately after receiving his PhD in Mechanical Engineering from the University of Illinois at Urbana-Champaign. Gavin's research interests focus on firefighter health and safety, First Responder technology development, material testing and design, and nondestructive evaluation. He has published over 60 peer-reviewed journal articles and given presentations at meetings, conferences, and symposia around the world. Gavin also serves as a firefighter/engineer with the Savoy Fire (IL) Department.

## **Mario H. Trevino** **Fire Chief (Ret.)**



Mario H. Trevino is a forty-three-year veteran of the fire service. He rose through the ranks in the Seattle Fire Department to Deputy Fire Chief over 24-years, holding such assignments as EMS Chief, Arson Squad Commander, Marine Fire Response Commander, and various fire suppression posts. He went on to serve as Fire Chief in Las Vegas, San Francisco, and Bellevue, Washington. He co-founded Washington USAR Task Force 1, serving as Task

Force Leader at the Northridge Earthquake in Los Angeles and later as Program Manager for Nevada US&R Task Force 1. His consultancy assignments include executive search in the U.S.A. and airport fire protection in the United Arab Emirates. He has served on dozens of boards and commissions, including being elected President of the Metropolitan Fire Chiefs and serving as a member of the NFPA Urban Fire Forum. He has testified before U.S. Congressional Committees on four separate occasions and has spoken at fire service conferences across the United States, Vancouver, B.C., Hong Kong, Hanoi, Ho Chi Minh City, London, and the United Arab Emirates. He holds a Master of Public Administration degree from the University of Washington, a Bachelor of Public Administration degree (*summa cum laude*) from Seattle University, and participated in a Harvard University fellowship on State and Local Government in 1998. He served as a guest lecturer at the University of Washington's Master of Public Administration Program for three years, and as an Executive Fire Officer Instructor at the National Fire Academy. He is happily married and a proud father, and lives with his family in Las Vegas. He is also a line-of-duty cancer survivor and is committed to helping educate fellow firefighters about cancer prevention.