

# CHAS ACS SYMPOSIUM ON FENTANYL AND ITS DEVASTATING EFFECTS ON STUDENTS AND YOUNG ADULTS: DANGERS, STATISTICS & CURRENT STATUS

San Francisco, Hilton Parc 55, Cyril Magnon I, Aug. 14-16

Dr. Donna Nelson,  
University of Oklahoma, ACS President, 2016

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Alli Timmons, M.S., D-ABFT-FT,  
OSBI Forensic Toxicology Unit, Senior Criminalist

invite you to learn about this problem.



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## Television, congress, and science: communities unite against illicit fentanyl (Aug. 15 AM)

**8:00**      **Introductory remarks:** Donna Nelson

8:05      Breaking badder: The man behind fentanyl.

John Madinger, University of Hawai'i at Manoa, Honolulu, HI

8:35      Sizzle reel: its purpose, characteristics, and appearance.

Donna Nelson, University of Oklahoma

9:05      SHIFT: a UT Austin initiative to shift the conversation about substance misuse on campus in the fentanyl era.

Brent Iverson, UT-Austin, TX

**9:35**      **Intermission**

9:45      Fentanyl hysteria: be a voice of reason.

Alli Timmons, Oklahoma State Bureau of Investigation Forensic Science Center, Edmond, OK

10:15      Using definitive drug testing data to track fentanyl and other drug use trends. Steven Passik, Millennium Health, San Diego, CA

**10:45**      **Panel discussion**

## Posters (Aug. 14 PM) Moscone Center, Hall F, South Bldg.

Weaponizing fentanyl as a WMD - Jim Rauh, Families Against Fentanyl, OH

Recent news about the illicit fentanyl epidemic - Donna Nelson, University of Oklahoma

How illicit fentanyl became a prime social danger in the U.S. - Olivia Townsend, Gage McNett, and Donna Nelson, University of Oklahoma

## Engineering, science, medicine, and society: the challenge spans all disciplines (Aug. 15 PM)

- 2:00**      **Introductory remarks:** Jim Rauh
- 2:05      Fentanyl: a perfect storm in science.  
Donna Nelson, University of Oklahoma
- 2:35      Case for classifying illicit fentanyl as a weapon of mass destruction.  
Jim Rauh, Families Against Fentanyl, OH
- 3:05**      **Intermission; ready remote presentations**
- 3:15      Development and validation of a novel point-of-care technology for rapid non-targeted identification of emerging threats in North American drug markets. Drew Hall, UC San Diego, CA
- 3:45      Case for declaring fentanyl as a weapon of mass destruction.  
David Digregorio, MA Department of Fire Services, Hopkinton, MA
- 4:15      Fentanyl: the State of San Diego, CA.  
Robert Harkins, Homeland Security, San Diego State University, CA
- 4:45**      **Panel discussion**
- 4:55      Concluding remarks

## Controlling fentanyl with science: vaccines, CBD, and advanced detection techniques (Aug. 16 AM)

- 8:00**      **Introductory remarks:** Donna Nelson
- 8:05      Novel fentanyl vaccine design and an unexpected protective role of IgA.  
Elizabeth Norton, Tulane University, LA
- 8:35      Development of vaccines and monoclonal antibodies to counteract overdose from fentanyl and its analogs.  
Marco Pravetoni, University of Washington, WA
- 9:05**      **Intermission**
- 9:45      ZIP: (ZIF-8) based impedometric platform for ultrasensitive detection of fentanyl. Anirban Paul, UT-Dallas, TX
- 10:15      Development of a solid phase extraction method for fentanyl analogs in biological matrices for analysis by LC/MS-MS.  
Alli Timmons, Oklahoma State Bureau of Investigation Forensic Science Center, Edmond, OK
- 10:45**      **Panel discussion**
- 11:15      Concluding remarks