

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
&

Alli Timmons, M.S., D-ABFT-FT,
OSBI Forensic Toxicology Unit, Senior Criminalist
invite you to learn about this problem.



Cosponsors: CALSEC, CARB, CATL, CCS, CELL, COMSCI, ENVR, MEDI, PROF, SCC, TOXI,
WCC, YCC, Families Against Fentanyl

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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