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