

From Free Radicals to Key Characteristics
Celebrating Research to Action - Past, Present, and Future
June 10, 2022
Brower Center, Berkeley, CA

Morning Sessions:

Session 1: Celebrating the ~7th Successful Renewal of the NIEHS Superfund Research Center –
Alan Hubbard, Professor of Biostatistics (Chair)

- 9.00 Introduction and opening remarks
Martyn Smith, Director UC Berkeley Superfund Research Center; Michael Lu,
Dean UC Berkeley School of Public Health [Video](#)
William Suk*, Director, NIEHS Superfund Research Program [Video](#)
Robert Spear, Emeritus Professor and Former Director of COEH [Video](#)
- 9.15 New Projects and Cores at UC Berkeley Superfund Research Center [Video](#)
Professors Rachel Morello-Frosch, Community Engagement Core & Project 1
Joseph Lewnard, Project 2
David Sedlak, Project 3
Lisa Alvarez-Cohen, Project 4
Alan Hubbard, Data Management and Analysis Core

Session 2: Celebrating 40 years of the Smith Lab with talks and comments by distinguished alumni – Professors David Eastmond (UC Riverside) and David Ross* (U.Colorado) (Co-Chairs)

- 10.00 “MPTP, Paraquat and Parkinson’s Disease” – Prof. Dr. Donato Di Monte*(German Center
for Neurodegenerative Diseases) [Video](#)
Comments by 1980s alumni Drs. Martha Sandy, Gunilla Ekstrom* and Sarah
Jewell* [Video](#)
- 10.25 Break
- 10.40 “Benzene, NQO1 and Bone Marrow Toxicity” – Professors David Eastmond and David
Ross*
Comments from collaborators Drs. Nat Rothman and Qing Lan*(NCI) [Video](#)
Comments from Dr. Luoping Zhang (former Superfund PI & 1990s alum) [Video](#)
- 11.05 “Childhood Cancer” – Professor Joseph Wiemels (USC) with comments from Dr. Cliona
McHale and 2000s alumni [Video](#)
- 11.30 “Exposomics” – Professor Rosemarie de la Rosa (UC Berkeley) [Video](#)
Comments from 2010s alum Prof. Fenna Sille*(Johns Hopkins) [Video](#)
- 11.55 Summary and wrap up – Professor Emeritus Stephen Rappaport (UC Berkeley) [Video](#)
- 12.00 Lunch (provided)

Afternoon Sessions

Session 3: Celebrating 10 years of the Key Characteristics (KCs) – Dr. Vincent Cogliano (Deputy Director for Scientific Programs at OEHHA) (Chair)

- 1.00 “Introduction and the Birth of the KCs” – Dr. Vincent Cogliano (OEHHA) [Video](#)
- 1.10 “10 years of the KCs of carcinogens” – Dr. Kathryn Guyton (National Academies) [Video](#)
- 1.30 “IARCs experience with the KCs” - Dr. Mary Schubauer-Berigan (Head of the IARC Monographs Programme) [Video](#)
- 1.40 “NAMs and In Silico approaches to the KCs”
Dr. Raymond Tice* (RTice Consulting) [Video](#)
Prof. David Reif (N. Carolina State U.) [Video](#)
Dr. Kamel Mansouri (NTP) [Video](#)
Dr. Vangala Subrahmanyam* (Reagene)

2.35 Break

Session 4: Imagining the Future of the KCs – Professor Michele La Merrill (UC Davis) (Chair)

- 2.50 “New sets of KCs and their potential application” –
Hepatotoxicants – Prof. Ivan Rusyn (Texas A&M) [Video](#)
Immunotoxicants – Dr. Dori Germolec* (NIEHS) [Video](#)
EDCs/Metabolic disruptors – Prof. Michele La Merrill (UC Davis) [Video](#)
- 3.35 Break
- 3.50 “Applying the KCs in decision making” –
Dr. Martha Sandy (Chief, Reproductive and Cancer Hazard Assessment Branch, OEHHA) [Video](#)
Dr. Xabier Arzuaga* (US EPA)
Dr. Amy Wang (NIEHS)
- 4.35 “Panel discussion on future applications of the KCs” led by Professor Emeritus Amy Kyle (UC Berkeley) with Prof. Tracey Woodruff (UCSF) and Dr. Kathleen Durkin (UC Berkeley) [Video](#)
- 4.50 Future directions for the KCs: Dr. Lauren Zeise (Director, OEHHA) [Video](#)
- 5.00 **Reception**
- 7:00 **Close**

**Via Zoom*

COEH: Center for Occupational and Environmental Health