

## **ISES Exposure Science Experts Profiles of interests and contact information**

*ISES Exposure Science Experts are available to answer questions concerning the topics listed. The Exposure Science Experts provide information based on their own credentials and do not represent the views of the International Society of Exposure Science.*

### **Joseph Allen**

**email:** jallen@eheinc.com

**Location:** Massachusetts USA

**Areas of expertise:** exposure and risk assessment, statistical analysis of environmental and occupational data, consumer products

**Substances of special interest:** endocrine disrupting compounds, semi-volatiles, flame retardants (PBDEs)

**Routes of exposure:** inhalation, dust ingestion, diet

### **Sung-Ok Baek**

**email:** sobaek@yu.ac.kr

**Location:** Korea

**Areas of expertise:** sampling and analysis of hazardous air pollutants (VOC and PAH)

**Substances of special interest:** VOC, PAH

### **Kerstin Becker**

**email:** kerstin.becker@uba.de

**Location:** Germany

**Areas of expertise:** cross-sectional population studies (GerES), health related environmental monitoring

**Substances of special interest:** human biomonitoring, emerging pollutants

**Populations of interest:** children, adults

### **Ben Blount**

**email:** bkb3@cdc.gov

**Location:** Georgia USA

**Substances of special interest:** perchlorate, VOCs

### **Asa Bradman**

**email:** abradman@socrates.berkeley.edu

**Location:** California USA

**Substances of special interest:** pesticides, lead, metals, flame retardants

**Routes of exposure:** dust, soil, dermal, ingestion, inhalation

**Populations of interest:** exposures to pregnant women and children

**Michael Breen**

**email:** breen.michael@epa.gov

**Location:** North Carolina USA

**Areas of expertise:** respiratory and cardio-vascular response to air pollutant exposure

**Substances of special interest:** air pollutants-gases (ozone), particulate matter

**Routes of exposure:** inhalation

**Yong Chung**

**email:** ierychung@yumc.yonsei.ac.kr

**Location:** Korea

**Areas of expertise:** risk assessment (estimation methodology of risk)

**Substances of special interest:** THM, BTX, As, Pb, Hg

**Populations of interest:** children (lifestyle and exposure)

**Jane E. Clougherty**

**email:** jcloughe@hsph.harvard.edu

**Location:** Massachusetts USA

**Areas of expertise:** GIS, intra-urban variability in air pollution; stress-related susceptibilities

**Routes of exposure:** occupational

**Populations of interest:** children (indoor allergen, traffic-related air pollution); workers (noise, job strain, respirable particulates)

**Rey de Castro**

**email:** ReyDeCastro@westat.com

**Location:** Maryland USA

**Areas of expertise:** statistical analysis of complex data, risks from traffic air pollution

**Substances of special interest:** air pollution, particulate matter

**Routes of exposure:** inhalation

**Populations of interest:** children (time-activity, time location patterns)

**Kyle B. Dotson**

**email:** kyle@dotsongroup.com

**Location:** California USA

**Areas of expertise:** risk assessment, exposure assessment

**Substances of special interest:** asbestos, lead, silica, particulates

**Routes of exposure:** occupational, residential

**Populations of interest:** workers, indoor air

**Xiaoli Duan**

**email:** duanxiaoli0219@yahoo.com.cn

**Location:** Beijing China

**Areas of expertise:** exposure assessment, risk assessment and risk management

**Substances of special interest:** organic pollutants such as PAHs

**Routes of exposure:** inhalation, multi-route exposure

**Populations of interest:** general population, especially children

**Ivan Erzen**

**email:** ivan@zzv-ce.si

**Location:** Slovenia

**Substances of special interest:** cadmium, lead, mercury

**Populations of interest:** children (lead, cadmium)

**Zhijua (Tina) Fan**

**email:** zfan@eohsi.rutgers.edu

**Location:** New Jersey USA

**Areas of expertise:** community exposure measurement and assessment, sampling techniques for air pollutants, air pollution and cardiopulmonary health effects, indoor air chemistry, controlled human exposure studies

**Substances of special interest:** hexavalent chromium, PAHs, PM, VOCs, carbonyls

**Routes of exposure:** air, housedust, and water

**Populations of interest:** children, elderly

**Scott Fruin**

**email:** fruin@usc.edu

**Location:** California USA

**Substances of special interest:** Traffic emissions, diesel PM, ultrafine particles, exposures near roadways and inside vehicles

**Routes of exposure:** inhalation

**Populations of interest:** children

**Barbara Harper**

**email:** bharper@amerion.com

**Location:** Oregon USA

**Areas of expertise:** Tribal settings, high natural resource use situations (off-the-grid, self-sufficiency)

**Populations of interest:** Tribal settings, high natural resource use situations (off-the-grid, self-sufficiency)

**Gerhard Heinemeyer**

**email:** gerhard.heinemeyer@bfr.bund.de

**Location:** Germany

**Areas of expertise:** risk assessment, consumer exposure

**Populations of interest:** children

**Michael Jayjock**

**email:** mjayjock@aol.com

**Location:** Pennsylvania USA

**Areas of expertise:** human exposure modeling and model development; risk assessment

**Roger A. Jenkins**

**email:** mcdonaldjenkins@twohikers.org

**Location:** Montana USA

**Areas of expertise:** risks from environmental tobacco smoke (ETS)

**Substances of special interest:** tobacco smoke, combustion aerosols, VOCs

**Ted Johnson**

**email:** tjohn62124@aol.com

**Location:** North Carolina USA

**Areas of expertise:** air pollution exposure models, mass balance models, statistical analysis of exposure data, personal monitoring, time activity patterns, indoor/outdoor ratios, indoor emission rates, respiration rates, energy expenditure, residential duration, commuting patterns

**Substances of special interest:** criteria air pollutants, hazardous air pollutants, ultraviolet radiation

**Routes of exposure:** air, water, food

**Populations of interest:** children (activity patterns, school commuting patterns)

**Janet E. Kester**

**email:** jkester@newfields.com

**Location:** Missouri USA

**Areas of expertise:** toxicology, risk assessment, risk perception, risk communication

**Substances of special interest:** benzene, toluene, xylene, chlorinated VOCs, organochlorines (dioxins, furans, PCBs, pesticides), fluorinated compounds, metals

**Routes of exposure:** all routes

**Populations of interest:** children

**Neil Klepeis**

**email:** nklepeis@stanford.edu

**Location:** California USA

**Areas of expertise:** modeling human activity patterns

**Substances of special interest:** particulate matter, tobacco smoke, environmental tobacco smoke (ETS)

**Routes of exposure:** indoor air

**Populations of interest:** children (tobacco smoke)

**Robert Krieger**

**email:** bob.krieger@ucr.edu

**Location:** California USA

**Areas of expertise:** exposure assessment, environmental fate, pesticides

**Routes of exposure:** agriculture, residential, dietary, occupational

**Populations of interest:** children, workers, consumers

**Paul Lioy**

**email:** plioy@eohsi.rutgers.edu

**Location:** New Jersey USA

**Areas of expertise:** general exposure issues, measurement, modeling, and policy implications

**Substances of special interest:** ozone, metals, organics, and pesticides

**Routes of exposure:** all, with special awareness on air pollution (inhalation) and hazardous wastes (inhalation and ingestion)

**Populations of interest:** all, with some emphasis on children and athletes

**Sally Liu**

**email:** sally.liu@unibas.ch

**Location:** Switzerland

**Substances of special interest:** air pollutants

**Routes of exposure:** inhalation

**Populations of interest:** Children (air pollution)

**Agnes Lobscheid**

**email:** ABLobscheid@lbl.gov

**Location:** California USA

**Areas of expertise:** risk assessment

**Substances of special interest:** PAHs

**Routes of exposure:** air, food

**Populations of interest:** general

**Michael McClean**

**email:** mmcclean@bu.edu

**Location:** Massachusetts USA

**Substances of special interest:** PAHs, PBDEs, ETS, VOCs, asphalt, jet fuel

**Routes of exposure:** inhalation, dermal, occupational

**Populations of interest:** workers (asphalt, jet fuel)

**Thomas McCurdy**

**email:** mcurdy.thomas@epa.gov

**Location:** North Carolina USA

**Areas of expertise:** exposure modeling; activity patterns; exposure and dose rate metrics; physiology; time use; life stage/style impacts on time use

**Routes of exposure:** non-dietary ingestion, inhalation

**Cronan McNamara**

**email:** cmcnamara@cremesoftware.com

**Location:** Ireland

**Areas of expertise:** Risks from food or cosmetics

**Substances of special interest:** chemicals and biologicals in food and consumer products

**Routes of exposure:** dermal, inhalation, food consumption, personal care products

**Populations of interest:** children (food and personal care product chemicals), consumers

**Jaymie R. Meliker**

**email:** jrmeliker@gmail.com

**Location:** New York USA

**Areas of expertise:** mapping (GIS) and exposure assessment; exposure assessment and biomarkers of exposure in epidemiology studies, satellite imagery; risks from arsenic and bladder cancer; cadmium and osteoporosis

**Substances of special interest:** Arsenic

**Divinia Nolasco Ries**

**email:** riesd@michigan.gov

**Location:** Michigan USA

**Areas of expertise:** Regulatory risk assessment, toxicology

**Substances of special interest:** metals, tracer dyes, EDTA, perchlorate, selenium, coplanar PCBs

**Routes of exposure:** all routes with emphasis on soil to ambient air inhalation and recreational exposures

**Populations of interest:** general population

**Jennifer D. Roberts**

**email:** jroberts@exponent.com

**Location:** Illinois USA

**Areas of expertise:** exposure assessment, chemical and microbial risk assessment, risk communication, environmental health sciences, public health

**Substances of special interest:** Cryptosporidium

**Routes of exposure:** all routes

**Populations of interest:** workers, general, consumers

**Ruthann Rudel**

**email:** rudel@silentspring.org

**Location:** Massachusetts USA

**Areas of expertise:** risk assessment for endocrine disruptors, breast cancer; Environmental health research in the public interest, public health and advocacy partnerships

**Substances of special interest:** endocrine disrupting chemicals, consumer projects in indoor air and dust

**Torfs Rudi**

**email:** rudi.torfs@vito.be

**Location:** Belgium

**Areas of expertise:** integrated exposure assessment using biomonitoring and environmental data

**Substances of special interest:** metals, POPs, nanoparticles, particles, indoor VOCs

**Populations of interest:** children (lead, cadmium)

**Arnold Schechter**

**email:** arnold.schechter@utsouthwestern.edu

**Location:** Texas USA

**Areas of expertise:** exposure assessment of dioxins, brominated flame retardants, PCBs, Agent Orange

**Substances of special interest:** dioxins, PCBs, brominated flame retardants, agent orange

**Pam Shubat**

**email:** pamela.shubat@state.mn.us

**Location:** Minnesota USA

**Areas of expertise:** Toxicology, regulatory risk assessment

**Routes of exposure:** drinking water

**Populations of interest:** children (risk assessment)

**Steven D. Stellman**

**email:** sds91@columbia.edu

**Location:** New York USA

**Areas of expertise:** general epidemiology, cancer epidemiology, GIS, occupational, environmental, and military exposures, post-traumatic stress disorder

**Substances of special interest:** agent orange, phenoxy herbicides, particulates (World Trade Center), cigarettes and tobacco products, organochlorine compounds, PAH, nitrosamines

**Lance Wallace**

**email:** lwallace73@verizon.net

**Location:** Virginia USA

**Substances of special interest:** VOCs from consumer products; particles, ultrafine particles

**Routes of exposure:** air, drinking water, house dust

**Clifford Weisel**

**email:** weisel@ehsi.rutgers.edu

**Location:** New Jersey USA

**Areas of expertise:** exposure and genetic linkages, exposure through water usage, indoor air exposure, exposure during transportation (automobiles, planes); asthma risks from exposure

**Substances of special interest:** ozone, disinfection byproducts, lead, volatile organic compounds, pesticides

**Routes of exposure:** multi-route exposure, inhalation, dermal

**Populations of interest:** children (chemicals and routes indicated, how activities affect exposure)

**Ronald Williams**

**email:** williams.ronald@epa.gov

**Location:** North Carolina USA

**Areas of expertise:** sources of personal exposure to particulate matter and air toxics; mitigation

**Substances of special interest:** particulate matter, air toxics

**Routes of exposure:** inhalation