



Cell Phones and Wireless Technologies: Should Safety Guidelines be Strengthened to Protect Adults, Children and Vulnerable Populations?

Should Parents, Teachers & Schools Restrict Technology Overuse Among Children?

Commonwealth Club of California

Monday, June 22, 2015, 11:30-3:30 p.m.

555 Post Street, San Francisco, CA 94102 (*new location*)

(415) 597-6700 · www.commonwealthclub.org

\$20 members, \$30 non-members, \$11 students (with valid ID)

A light lunch will be served starting at 11:00 a.m.

*Co-Sponsored by the Commonwealth Club's Health & Medicine,
Science & Technology and Environment & Natural Resources Member-Led Forums*

*Organized by ElectromagneticHealth.org and Environmental Health Trust in association with
Citizens for Health, California Brain Tumor Association and American Academy of Environmental Medicine.*

WHO's International Agency for Research on Cancer classified Radiofrequency Radiation emitted by cell phones and wireless devices as a Group 2B 'Possible Carcinogen' in 2011. Today's program will review the science showing risk, mechanisms of action, new genetic questions, and whether the IARC warning should be upgraded to 'Probable Carcinogen' –or even 'Carcinogen'. There will be a special focus on risks to children, and the role overuse of wireless technologies may be playing in attention, functional and relational difficulties, as well as on risk to the elderly, where cognitive decline may be misconstrued as dementia, permitting people to progress without help. Experts on different facets of risk will assure a very dynamic forum.



Victoria L. Dunckley, MD is an integrative child, adolescent and adult psychiatrist who specializes in working with children who have failed previous treatments by addressing environmental influences on mental health. A frequent consultant to schools, interdisciplinary teams, and the courts, she is a sought-after expert regarding problematic electronics' use and the physiological effects of interactive screen-time, and has served as a forensic expert for criminal cases involving tech addiction. She is the author of *"Reset Your Child's Brain: A Four-Week Plan to End Meltdowns, Raise Grades, and Boost Social Skills by Reversing the Effects of Electronic*

Screen-Time" (2015). Dr. Dunckley believes overstimulation and dysregulation produced by electronics use mimics or exacerbates numerous psychiatric conditions, that electromagnetic radiation from wireless communications magnifies these effects, and that the growing use of mobile devices in the classroom is a major contributor to the epidemic of mental health issues, learning difficulties, and overuse of psychotropic medication in children. Recently named one of *America's Top Psychiatrists*, Dr. Dunckley has contributed as a mental health expert for the *Today* show and *NBC Nightly News*, and blogs for *Psychology Today* under *Mental Wealth*. She is a diplomate of the American Board of Psychiatry and Neurology, the American Academy of Child and Adolescent Psychiatry, and the American Board of Integrative Holistic Medicine, and currently practices in Los Angeles, CA.



Martin L. Pall, PhD is Professor Emeritus of Biochemistry and Basic Medical Sciences in the School of Molecular Biosciences at Washington State University and living in Portland, OR since his "retirement." He has long focused on biological regulatory mechanisms of chronic inflammatory diseases and how various stressors initiate cases of such diseases. He has received 8 international honors for his work in environmental medicine. Recently, Dr. Pall's groundbreaking research suggests the biological and health effects of EMFs act largely, and possibly entirely, via Voltage Gated Calcium Channel activation, an important advance in the understanding of mechanisms by which cell phone and wireless radiation might initiate disregulating processes in the body, leading to malfunction and disease. His article in the Journal of Cellular and Molecular Medicine on this topic was honored by inclusion in the "Global Medical Discovery" site as one of the top medical papers of 2013. His fourth paper on this topic has just been accepted for publication, entitled "Scientific evidence contradicts findings and assumptions of Canadian Safety Panel 6: Microwaves act through voltage-gated calcium channel activation to induce biological impacts at non-thermal levels, supporting a paradigm shift for microwave/lower frequency field action."



Beatrice Alexandra Golomb, MD, PhD is Professor of Medicine at the University of California, San Diego. She served as a primary care physician for veterans for two decades, and as a Health Consultant at RAND. She holds a BS in physics, summa cum laude (with graduate fellowship offers in physics to Harvard and Cal Tech, at age 19); and earned an MD and PhD at UC San Diego (during which she gave vaulting lessons to Francis Crick). She completed a postdoctoral fellowship in the Computational Neurobiology Laboratory at the Salk Institute, a Robert Wood Johnson Clinical Scholarship at RAND/UCLA and received a Robert Wood Johnson Generalist Physician Faculty Scholar

Award. She is a member of the Cochrane Adverse Effects Committee and has been named a foreign fellow of the Royal Society of Medicine. Dr. Golomb's interests span research methods and inference from evidence, and the balance of treatment risks and benefits, as well as relation of oxidative stress and mitochondrial function to health, behavior, illness, medication effects, nutrition and aging and environmental injury – extending to recent work commencing to study genetic and biological correlates of health effects of electromagnetic radiation.



Suleyman Kaplan, PhD is an academician in the Faculty of Medicine, Department of Histology and Embryology and Vice Rector at Ondokuz Mayıs University, Samsun, Turkey. Prof. Kaplan has published 90 articles in international journals, and made contributions to numerous books as author of chapters. He is a member of the Council of Editors of Turkish Journal of Medical Sciences (TÜBİTAK) and Journal of Chemical Neuroanatomy (Elsevier), and he has been performing the duty of editor for the Journal of Experimental and Clinical Medicine. He is the founder and president of Turkish Society for Stereology. He has carried out research with numerous national and international researchers, including research in animals showing brain and organ

damage from prenatal EMF exposures to cell phone radiation.



Mary Redmayne, PhD is a Postdoctoral Research Fellow in the Centre for Population Health Research on Electromagnetic Energy at Monash University, Melbourne, Australia, within the Department of Epidemiology and Preventive Medicine. Her research interest and experience revolves around children's exposure to radiofrequency radiation (RF) and the effects it has on health and well being, including the biological and health effects of acute and chronic, low-level pulsed exposures emitted by devices such as cellphones, tablets, WiFi, and base stations. In addition to her interest in RF effects on young people, her research interests include whether there is an association between radiofrequency exposure and early onset

dementia – particularly Alzheimer's disease, and radiofrequency effects on brain activity in the same and opposite sides of the brain to that to which the phone is held. She has published several papers in international journals, presented her research at conferences internationally and given numerous invited

presentations for Public Health bodies, universities, City Councils, Members of Parliament and the public. She is Scientific Advisor to Environmental Health Trust (USA) and a Participating Member of the Standards Australia Committee on Human Exposure to Electromagnetic Fields, Technical Committee TE-007.



Erica Mallery-Blythe, MD is Founder of Physicians' Health Initiative for Radiation and Environment (PHIRE) in the U.K. where she is also Trustee of the Radiation Research Trust, Medical Advisor to Electrosensitivity UK and Member of the British Society of Ecological Medicine. She has worked in emergency medicine, led trauma teams and taught trauma medicine throughout the UK and abroad. She has a broad base of medical experience, including surgery, anesthesiology and intensive care (both neonatal and adult). For many years, Dr. Mallery-Blythe has worked intensively with adults and children suffering from the little-understood biological and health effects of wireless technologies, working closely with their doctors. She is author of a resource for parents, teachers, schools and policymakers called "Electromagnetic Health for Children".



Prof. Dr. Nesrin Seyhan received her B.S. degree in Physics from the Middle East Technical University (METU), Ankara and her Ph.D. in Biophysics, respectively. She is Head of the Biophysics Department and Bioelectromagnetics Laboratory at Medical Faculty of Gazi University, Ankara, Turkey. She has also been the founder and director of Gazi Non-Ionizing Radiation Protection Center (GNRK). Her research interests include Non-ionizing Radiation sources, standards and measurements of Electromagnetic fields (EMF), and biological effects of EMF, mainly ELF and RF. Dr. Seyhan has been conducting microwave research since 1980. She has been the National Representative of WHO EMF International Advisory Committee since 2001, Panel Member to NATO STO HFM between 2007-2014, Scientific Secretary to International Commission for ElectroMagnetic Safety (ICEMS) since 2007. Dr. Seyhan has four International Projects (EU, WHO, NATO and UNESCO) and nine National Projects. She has authored six books/book chapters, seventy-five International Peer-Reviewed research articles, fifty-seven conference proceedings and organized eleven international meetings and workshops.



Devra Davis, PhD, MPH is founder of The Environmental Health Trust, a leading national & international scientific and policy research group. Dr. Davis was Founding Director of the world's first Center for Environmental Oncology at the University of Pittsburgh Cancer Institute. She is author of the award winning books, *"The Secret History of the War on Cancer"* and *"Disconnect: The Truth About Cell Phone Radiation, What the Industry Is Doing to Hide It, and How to Protect Your Family"*. An advisor to many governments on cell phone safety and former Presidential Appointee, Dr. Davis was part of the group awarded the Nobel Peace Prize in 2007 with Al Gore. She has convened several major international scientific meetings on cell phone science and testified before the U.S. Senate hearing on this topic in 2009. Dr. Davis has authored more than 190 publications in books and journals ranging from the Lancet and Journal of the American Medical Association to Scientific American and the New York Times and has been featured on CNN, CSPAN, Fox News, BBC, and National Public Radio discussing various public health matters. Dr. Davis will present the latest research modeling microwave radiation exposure into brains of children and adults.



Karl Maret, M.D., M.Eng. Dr. Maret is President of Dove Health Alliance, a non-profit foundation in Aptos, CA. He holds an M.D., Masters in Biomedical Engineering and B.S. in Electrical Engineering. As such, he is uniquely qualified to address present day concerns about the biological effects of electromagnetic fields. He has presented at many international conferences, including annual presentations at the German Society for Energy and Informational Medicine for the last 10 years, and he educates physician

groups on the biological impacts of communication technologies, such as cell phones, wireless technologies and infrastructure and 'smart meters'. Dr. Maret will address risks to children in WiFi classrooms, presenting case studies involving real-time, continuous dosimetry measurements on the body of a student, with high exposures pinpointed to specific classrooms and times of day. Cumulative exposures and the percentage of each school day unacceptable exposure levels were experienced will also be reported. The case studies will shortly be published by the National Institute for Science, Law & Public Policy.



Joel Moskowitz, PhD, Director, Center for Family and Community Health, School of Public Health, University of California, Berkeley. The center's mission is to improve the health of families and communities by establishing linkages between the University and government and community-based organizations. In 2009, Dr. Moskowitz was the senior author on a review of 23 case-control studies on mobile phone use and tumor risk that was published in the *Journal of Clinical Oncology*. The review found that the more robust studies showed using a mobile phone for a decade or longer was associated with increased risk for developing a brain tumor. Since 2013 he has served as a resource about wireless radiation health effects for journalists, scientists, advocates, and policy makers, writing about research and policy developments at saferemr.com.

Organizers/Moderators:



Camilla is founder of ElectromagneticHealth.org, co-author of *Public Health SOS: The Shadow Side of the Wireless Radiation*; co-founder of the International EMF Alliance; Advisor to the International Institute for Building Biology and Ecology, and Voting Member of the U.S. Health Freedom Congress. She was an Executive Producer of the award-winning documentary, *"Take Back Your Power,"* and editor of the landmark paper, *"Getting Smarter About the Smart Grid"*. She held the first public program on this topic at the Commonwealth Club of California in 2008 and later organized the first public program in the U.S. on cell phone and wireless impacts on children, fetuses and fertility in 2013. She serves as Senior Policy Advisor to the National Institute for Science, Law & Public Policy in Washington, D.C., an EMF advisor to Citizens for Health, the U.K. Radiation Research Trust and Mercola.com and is an Affiliate of Social Venture Network. She teaches continuing education courses for physicians, interacts with federal, state and local government officials on telecommunications and energy matters, advises patients facing RF/MW-related health challenges, consults with schools, parents and community groups, assesses EMF risk for doctors, and has appeared on Fox News, ABC, PBS and Voice of America TV.



Lloyd Morgan, BS, Lead author, *"Cellphones and Brain Tumors: 15 Reasons for Concern"*, Senior Science Fellow, Environmental Health Trust and Board Member of the Central Brain Tumor Registry of the U.S and the International EMF Alliance. A member of the [Brain Tumor Epidemiology Consortium](#) and the [Bioelectromagnetics Society](#). He has 11 peer-reviewed publications, the most recent being *Mobile phone radiation causes brain tumors and should be classified as a probable human carcinogen (2A) (Review)*. A retired electronics engineer with 38 years of industrial experience, Morgan became involved in EMF research and advocacy as a brain tumor survivor. He introduced two Bills (California legislature and the U.S. Congress) passed into law in 2000 and 2002, respectively. Both laws mandate cancer registries to collect data on all brain tumors (malignant and non-malignant).