

DRUNK ON WIRELESS - PANEL - Presentation Abstracts

Camilla Rees will introduce the emerging public health issue related to electromagnetic fields and the risks to society from non-stop proliferation of cell phone and wireless exposures. She will present evidence of tremendous growth in radiofrequency radiation exposures over time, as well as examples of the variable nature of the exposures, with biologically active pulsing and peaks that are hard to appreciate given the invisible nature of the radiation. Camilla will raise the specter of an unrecognized 'RF Elephant' driving health costs over the past two decades.

Dr. David Carpenter will give an overview of the science showing biological and health effects from radiofrequency radiation emitted by cell phones and wireless technologies, including summarizing the landmark BioInitiative Report written by international scientists which he-co-edited. Dr. Carpenter will discuss the state of the cell phone-brain tumor science, risks for other cancers, risks to fertility, as well as to a fetus in utero, and the growing problem of electrosensitivity, including in schools where WiFi exposures can interfere with learning. He will put the EMF public health issue in perspective, contrasting it with how long it took to prove and then act on the science from other toxic exposures like tobacco, emphasizing the need for individuals, families and communities to take precautionary steps now to limit exposures at every opportunity.

Dr Martin Blank, who is a biophysical chemist who has studied effects of radiation on cellular processes at Columbia University will explain what we know is happening from exposure to cell phones, cell towers and wireless technologies, including to our DNA. He will highlight the clear evidence we now have of harm at the cellular level, and links to disease, emphasizing there is no reason to wait for long-term epidemiology studies before taking protective actions. He will address the special risks to children, and the significant mistake being made globally by putting WiFi into schools.

Dr. Martin Pall will explain how he believes we can now debunk the industry's argument of more than 20 years that there cannot be a biological 'mechanism of action' of these low-intensity EMFs. He will explain that the unique structural properties of the Voltage Gated Calcium Channel (VGCC) protein can explain why the force on a cell's voltage sensor from low intensity EMFs are millions of times stronger than are the forces on singly charged groups elsewhere in the cell. He will review studies showing calcium channel blocker drugs can negate biological effects from electromagnetic fields, confirming there is a voltage gated calcium channel mechanism. He will describe how Voltage Gated Calcium Channel (VGCC) activation in cells from low-intensity EMFs can explain many well-documented biological and health effects known to be occurring, including melatonin and sleep disruption, various neuropsychiatric effects, including depression, several endocrine (hormonal) effects, oxidative stress, cardiac effects influencing the electrical control of the heart, and much more.

Duncan Campbell will put the emerging public health issue from EMFs in the larger context of the irresponsibility we see today in so many sectors in society and historically

with other public health and environmental issues. He will discuss how our culture has become estranged from the natural world, disrespecting our interdependence with it, and put the addiction to wireless technologies into the context of the Left Forum 2016 theme 'Rage, Rebellion, Revolution: Organizing Our Power'. He will explain how the (exhausting) rage must be used as ignition for the transformation of consciousness to restore our wholeness, and discuss means to regain clarity and liberate our consciousness from addiction to stimuli to restore our lost connection to the living universe.