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Cindy



Region Örebro County Örebro University Hospital

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Regarding California SB 649

17 September 2017

We hereby request that Governor Brown veto this bill.

We have for about two decades studied human health risks from exposure to radio frequency (RF) radiation. One of us (LH) was part of the International Agency for Research on Cancer (IARC) expert panel that evaluated cancer risks from RF radiation in May 2011. The conclusion by this WHO organization was that RF radiation is a possible human carcinogen.

Since then the evidence of cancer risks has increased and RF radiation should be classified as a human carcinogen, Group 1, according to the IARC classification.

Recently we published a new evaluation of the carcinogenic risk using the so-called Bradford Hill viewpoints on association or causation. These points were used on the highly controversial issue of smoking and lung cancer. In our publication we concluded that published studies RF radiation is carcinogenic to humans: *Carlberg M, Hardell L. Mobile phone and cordless phone use and glioma risk using the Bradford Hill 1965 on association or causation. Biomed. Res. Int. 2017;2017:9218486. Doi:10.1155/2017/9218486.*

Unfortunately it seems as if WHO (not including IARC) bases its conclusions on carcinogenesis on International Commission on Non-Ionizing Radiation Protection (ICNIRP), an industry loyal non-governmental organization (NGO). An evaluation of the circumstances was recently published in a scientific journal published after peer review: *L. World Health Organization, radio frequency radiation and health – a hard sell. Oncol. 2017;51:405-413.*

The environment is now filled with non-recognizable RF radiation. As modern mobile phones and data networking provide services at several different bands, there are different types of radiation which also require band specific antennas, therefore multiplying the number of radiation exposure. We measured ambient RF radiation in Stockholm, Sweden and published results for the Central Station and the Old Town identifying some hot spots of radiation. In general most of the RF radiation levels were above what has shown to have biological effects: *Hardell L, Kogut T, Carlberg M, Ahonen M, Hedendahl L. Mobile phone radiation at Stockholm Central Railway Station in Sweden and some medical c*