

Good morning. My colleague Lloyd Morgan of Environmental Health Trust and I welcome you to today's program. Thanks to Bill Grant for his steadfast support of this education, and for getting so many other Member Led Groups at the Commonwealth Club to co-sponsor—Environment and Natural Resources, Science & Technology and Business & Leadership

We are very grateful for the collaboration of the California Brain Tumor Association, Citizens for Health and the American Academy of Environmental Medicine.

We are SO pleased to have with us here today an Expert Line of physicians, a child psychiatrist, and many EMF scientists—from five countries in all—offering diverse expertise and perspective on the subject of electromagnetic fields and children.

Great gratitude to all of you for participating, and in some cases changing your schedules to be here.

If you would, PLEASE SEE THE panelists Full BIOS on your seats, as in the interest of time, to maximizing the educational value of today's program we will not be taking the time to read them.

Today, we are going to be focusing on:

- 1) **how children are being impacted** by the proliferation of cell phones and wireless technologies, including WiFi in schools—and
- 2) **the current state of the EMF science showing risk.** ‘

...with the overarching question: **“Are present cell phone and wireless safety guidelines adequate to protect children—or should they be strengthened?”**

Four years ago in 2011 the WHO’s International Agency for Research on Cancer –or IARC—classified Radiofrequency Radiation as a Possible Carcinogen--based largely on studies on adults.

While cancer risk is a very important subject, and today you will hear about new research modeling radiation absorption in the brains of children, and the growing incidence of brain tumors, ***there are biological effects from the radiation well beyond cancer***.....effects that impact children ***in the here and now***—in their schools, in their homes, while they are trying to do their homework, and even while they sleep.

THIS is why we are here today.

Pope Francis, as many of you know, recently made headlines globally, calling climate change one of the most important moral issues facing society. He said:

“I would like to enter in a dialogue with all people about our common home”.

And repeatedly he called on humans to protect creation.

Today, ElectromagneticHealth and EHT seek to *enter into a dialogue* about our common home, in the interest of protecting the sanctity of children’s lives—the children who will eventually lead society...and continue the human race.

Over 200 scientists from 39 nations recently signed an appeal to the United Nations calling for leadership on electromagnetic fields and specifically calling for protection of children. Dr. Joel Moskowitz from UC Berkeley who was one of the key organizers of the Appeal, is with us today, and we very much look forward to hearing from him when we talk about the policy implications of the science described today.

We'll play the UN Appeal 3 min video in a moment.

Before we begin, I'd like to acknowledge and give a very warm welcome to City Councilman Max Anderson from Berkeley, CA who is with us here today!! (Please stand!!!) This man was the driving force in seeing that Berkeley require visible warnings for cell phones at the point of sale. He is the epitome of a true public servant who worked this issue consistently over several years, to finally see reason, and responsibility, hold sway. Please join me in giving Max a round of applause!!!!

Now, to start, I'm going to play the video we produced on behalf of the EMF Scientist Appeal, featuring Dr. Martin Blank of Columbia University. **Kudos to Elizabeth Kelley** for initiating this effort. There have been **over 500,000** views of the video so far.

{3 min Video}

Today's program is focused on children. Children are our future.

Our 1st panel will feature Dr. Erica Mallery-Blythe who will paint the picture of the biological and health issues, with a

focus on children, issues with the exposure guidelines that need to be understood, and the special vulnerabilities of children.

Dr. Karl Maret will give us insight into typical RF exposures in schools, and their variability, and the cumulative exposures, which may be a better gauge of risk.

And Dr. Victoria Dunckley will discuss how the overstimulation and dysregulation produced by electronics mimics or exacerbates numerous psychiatric conditions, and how the radiation from wireless communications magnifies these effects.

After this panel, Lloyd Morgan will introduce the 2nd panel, after that we'll have a break and move to the 3rd panel, introduced by Ellie Marks of CABTA, and a wrap up by Dr. Joel Moskowitz discussing the policy ramifications of what we are going to hear about today.