

Welcome to our Webinar:

# *Turning Down the Dial on Wireless Radiation in NC's Schools*



**THE SCIENCE, SYMPTOMS, SOLUTIONS,  
AND THE LEGAL IMPERATIVE  
TO PROTECT OUR CHILDREN**

**SEPTEMBER 26, 2023      SPONSORED BY**



# No Conflicts of Interests by our Faculty:



- **Kent Chamberlin, PhD**, Past Chair/Prof Emeritus of Dept of [Electrical Engineering, Univ of NH](#), Vice-Chair: [International Commission on Biological Effects of EMF's](#), NH's 5G study commission, associate editor IEEE.
- **Cindy Russell, MD**, breast surgeon, Executive Director of [Physicians for Safe Technology](#), past President of CA's [Santa Clara Co. Medical Assoc.](#)
- **Natalie Sadler, MD**, [psychiatrist](#), Black Mountain, NC; expert at treating EMF-related mood symptoms, practicing for more than 35 years

# Our Faculty



- **Julian Gresser, JD**, public interest, international environmental lawyer, was twice Mitsubishi Visiting Prof. at Harvard Law School, Chairman of [Broad Band International Legal Action Network](#)
- **Doug Wood**: President/Director of [Americans for Responsible Technology](#) & [Tech Safe Schools](#), both projects of [Grassroots Environmental Education](#), an award-winning non-profit recognized by the EPA for excellence in children's environmental health.
- **Mary Anne Tierney, RN, MPH**, Director, [Safe Tech NC](#), certified by the [Building Biology Institute](#) as an Electromagnetic Radiation Specialist; CEO of [Blue Ridge EMF Solutions](#); background as psychiatric nurse/public health program manager

# Special Acknowledgements



# Our Agenda Today



- 1. ADDRESSING CURRENT FCC GUIDELINES & FINDINGS OF THE NH 5G COMMISSION**
- 2. HEALTH EFFECTS: WHAT WE CAN PREVENT & TWO CASE STUDIES**
- 3. LEGAL IMPLICATIONS: AVOIDING LITIGATION**
- 4. SAFER TECH SOLUTIONS**
- 5. SCHOOL-BASED POLICIES, INTERVENTIONS, RESOURCES FOR F/U**
- 6. Q&A: NC RESIDENTS PRIORITIZED**

# Review: Internet works in 2 ways



**Wi-Fi:  
Sprays  
Radiation**



**Ethernet:  
Carries RFR in  
cables**



# Wireless Devices All Emit Radiofrequency Radiation: Microwave Radiation



Wireless Phones



Security cameras



Laptops

Smart Boards



Computers



Smart Watches



Wi-Fi Router  
Access Points

# INTERNATIONAL GUIDELINES ON NON-IONIZING RADIATION

based on European Academy  
of Environmental Medicine's  
EMF Guidelines 2016

Metric	Type of Reading	Daytime	Nighttime	Sensitives (children, fetus, EHS)
$\mu\text{W}/\text{m}^2$	Maximum	100	10	1

[IGNIR – International Guidelines on Non-Ionising Radiation](#)



# GOVERNMENTS

THAT SAY

**CHILDREN SHOULD REDUCE CELL PHONE RADIATION**



ENGLAND



CYPRUS



SWITZERLAND



CANADA



REPUBLIC OF KOREA



AUSTRIA



BELGIUM



INDIA



FRENCH POLYNESIA



TURKEY



FINLAND



IRELAND



RUSSIA



ISRAEL



FRANCE



CROATIA



GERMANY



DENMARK

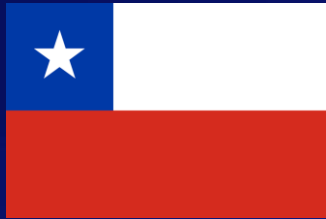


[Database of Worldwide Policies on Cell Phones, Wireless and Health - Environmental Health Trust \(ehtrust.org\)](http://ehtrust.org)

ENVIRONMENTAL  
HEALTH TRUST

# Schools and Homes as “Sensitive Areas”

No cell towers near schools, homes, kindergartens and/or more stringent exposure limits and/or extra oversight.



Chile



Greece

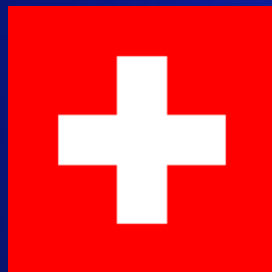


Israel



India

Brihanmumbai  
Zilla Parishad,  
Rajasthan,  
Mumbai



Switzerland



Turkey



Belgium

# SCHOOLS REMOVE WI-FI TO PROTECT CHILDREN FROM WI-FI RADIATION



Parents  
gather in  
celebration as  
**Wi-Fi router  
removed**  
- St. Agostino  
School, Italy

Photo: [Ciro Lazzaroni  
Cronachemaceratese.it](http://CiroLazzaroni.Cronachemaceratese.it)

**Wi-Fi Banned in Kindergarens and/or Restricted in Classrooms For Young Children**



FRANCE



CYPRUS



FRENCH POLYNESIA



ISRAEL



HOSPITALET, SPAIN



GHENT BELGIUM



# FCC found guilty by DC Court of Appeals

## Environmental Health Trust vs FCC Aug 2021

### United States Court of Appeals

FOR THE DISTRICT OF COLUMBIA CIRCUIT

Argued January 25, 2021

Decided August 13, 2021

No. 20-1025

ENVIRONMENTAL HEALTH TRUST, ET AL.,  
PETITIONERS

v.

FEDERAL COMMUNICATIONS COMMISSION AND UNITED  
STATES OF AMERICA,  
RESPONDENTS

**FCC ordered to “provide a reasoned explanation why it ignored evidence of serious harm.”**

FCC must show it reviewed:

- Impacts on children
- Health implications of long-term exposure
- Ubiquity of wireless devices, since guidelines last updates
- Impacts to the environment.

No response from the FCC after two years.

Linda Birnbaum, Ph.D., former director of the  
National Toxicology Program & the National Institute of  
Environmental Health Sciences

*"We're really in the middle of a paradigm shift. It's no longer right to assume cellphones are safe. Protective policy is needed today. **We really don't need more science to know that we should be reducing exposures.**"*

*She added that the NTP results should have triggered a consumer advisory akin to **"the black-box warning on a drug,** to say this has been linked to possibly cause cancer."*

- to Propublica 11/10/22

# Using Tech with the Precautionary Principle



When there is significant evidence of harm, yet not scientific consensus, then the product or behavior should be *assumed* to be harmful.

***It is better to be safe than sorry.***

*(European Parliament, 2015)*

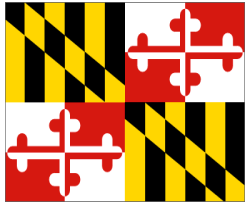


# USA Policies To Reduce Exposures



## Municipal Proclamations/Advice

Berkeley Cell Phone Ordinance, San Francisco, Burlingame California; Jackson Wyoming; Pembroke Pines Florida; Greenbelt Maryland; Wi-Fi Labeling Law in Suffolk New York, Schools removing Wi-Fi



**Maryland:** State Children's Environmental Health Advisory Council (19 member pediatricians, toxicologists, Dept of Education, and state legislators ) *The Department of Education* should use wired devices in classrooms to reduce radiofrequency in classrooms.



**Massachusetts:** 2019: 19 Bills on EMF (Cell Phones, Schools, Smartmeters), 2015: Ashland Public Schools Policy that Wi-Fi Devices be on table- not lap and Wi-Fi turned off when not in use.



**California Department of Health** Cell Phone Guidance in 2017; The Connecticut Department of Health “It is wise to reduce exposure” recommends reducing cell phone exposure for all -especially for children.



**Teachers' Unions:** 2018 United Educators of San Francisco Resolution to share CDPH cell phone guidance, New Jersey Educational Association Recommendations. United Federation of Teachers New York

# For your protection: Take care of yourself



- Distance from your device reduces radiation
- Camera off : Saves energy
- Cup of comfort or your meal
- Blue Blockers
- Know that recording, slides will be available, so enjoy our teachings!





Dr Chamberlin will begin our  
lectures

