



GENERATION ZAPPED

ZAPPED PRODUCTIONS PRESENTS A FILM BY SABINE EL GEMAYEL "GENERATION ZAPPED" MUSIC BY JORDAN HALPERN SCHWARTZ
ANIMATION BY RUDY MANNING EDITED BY MARCO JAKUBOWICZ & EDWARD OSEI-GYIMAH PHOTOGRAPHS BY ARTEM ZUEV & CAROLYN CHEN
EXECUTIVE PRODUCERS PETER SULLIVAN SABINE EL GEMAYEL CAROLYN CHEN BRIAN SNOODGRASS PRODUCED & DIRECTED BY SABINE EL GEMAYEL



“A wifi classroom is like the inside of a microwave oven set at very low power. Children are exposed to that wifi radiation six hours every school day, five days a week, and for several months during the year.” –

**- Magda Havas, BSc, PhD Associate Professor of Environmental and Resource Studies
Trent University, Canada**

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Tip Sheet

TitleGENERATION ZAPPED
Copyright 2017
Genre Documentary
Running Time 74 mins
Format HDCam
Aspect ratio 16:9 (1.78)
Sound..... Stereo Lf/Rt & 5.1
Shooting Format..... Canon 5D Mark III
Editing System.....Avid Media Composer, on a hardwired computer
DirectorSabine El Gemayel
ProducerSabine El Gemayel
Executive Producers Peter Sullivan, Sabine El Gemayel, Carolyn Chen, Brian Snodgrass
Cinematographers Artem Zuev, Carolyn Chen
EditorsMarco Jakubowicz, Edward Osei-Gyimah
Animation AgencyPastilla Design Institute



Logline

Generation Zapped is an eye-opening documentary which reveals that wireless technology can pose serious health risks, from infertility to cancer. Through interviews with experts in science and public health, along with people who suffer from high sensitivity to wireless radiation, the film suggests ways to reduce your exposure and protect your family.

Synopsis

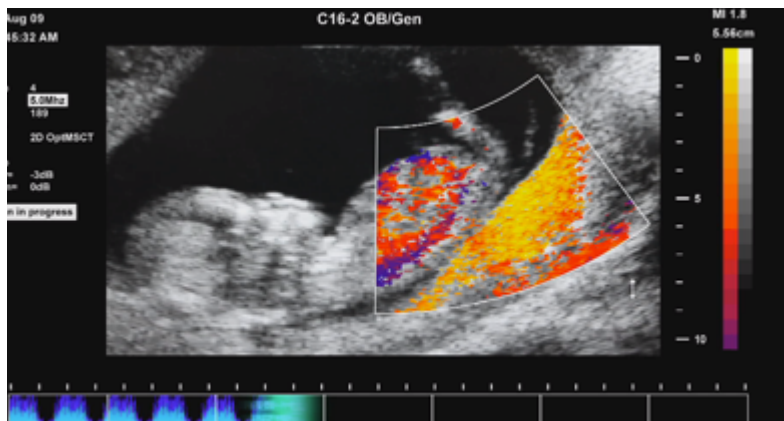
Like cigarettes and the toxic chemicals before it, emerging science is revealing the concerning reality that some people may suffer health impacts from radiation emitted by wireless devices.

We meet four people who are struggling with a variety of illnesses from wireless radiation - a breast cancer survivor who had carried her cell phone in her bra, a long term cell phone user with brain cancer, and a fit, seemingly healthy couple with neurological impacts now identified as being linked to wireless data transmission radiation.

Scientists, health researchers, physicians, and other experts document the links and concerns about this technology.

The multi-billion-dollar telecommunications industry goes to great lengths to lobby congress, influence policy-makers, and dispute any scientific data correlating wireless technology to potential health risks, which is reminiscent of the lead, asbestos, and tobacco industries before them.

GENERATION ZAPPED is a powerfully moving and thought-provoking documentary, daring to shine light on this invisible inconvenience, and empowers audiences to understand how to reduce their exposure to protect themselves and their families.





About the Film

GENERATION ZAPPED investigates the potential dangers of prolonged exposure to Radio Frequencies (RF) from wireless technology; its effects on our health and well-being, as well as the health and development of our children. This includes links to breast and brain cancer, to its associations with increased infertility and genetic mutations related to autism and ADHD, to newly identified illnesses, such as electrical hypersensitivity (EHS).

This film was born of a personal and deep investigation by Executive Producer Peter Sullivan as to why his two sons growing up in the tech capital of Silicon Valley, California, were manifesting signs of being on the autism spectrum. Peter has funded studies to try and find out why some people are sensitive to low frequency radiation, including his own sons. He teamed with award winning film director Sabine El Gemayel, herself a mother of three teenagers, who is intensely concerned about the impacts of wireless technology on children and young adults.

Together, Sullivan and El Gemayel have created GENERATION ZAPPED as a social-awareness documentary combining personal stories from others directly affected, along with discussions with doctors, health researchers, and other experts discovering the mounting scientific evidence. The film features public health policy experts who are fighting to revise long outdated policies and safety regulations.

GENERATION ZAPPED provides hope - by suggesting simple guidelines for how to protect and safeguard ourselves and our families against these potential dangers.





About Silicon Valley Executive Producer Peter Sullivan

**“I thought anybody who talked about the health effects of EMFs
was a complete idiot. I thought that they just were not science-y.”**

**“This former techie owes his fortune to electronic devices.
Now he thinks they’re dangerous.”**

—Peter Sullivan in
Mother Jones

<http://www.motherjones.com/environment/2016/12/silicon-valley-cellphones-wifi-sickness-emf-hypersensitivity>



Peter Sullivan is among an estimated 3 percent of people in California who suffer from Electromagnetic Hypersensitivity Syndrome.

Previously a software designer for Netflix, Inc., Interwoven, Inc., Excite@Home, and Silicon Graphics, today Peter is one of the US’s leading environmental health funders, focusing on toxins and wireless safety. He has funded research at Harvard, Stanford, University of California, Berkeley, and several leading environmental health non-profits. He speaks about autism and environmental health at conferences internationally.

In 2014 Peter met director Sabine El Gemayel and decided to partly fund her film to bring this issue to light.



Press

This Former Techie Owes His Fortune to Electronic Devices. Now He Thinks They're Dangerous
<http://www.motherjones.com/environment/2016/12/silicon-valley-cellphones-wifi-sickness-emf-hypersensitivity>

Mother Jones

From the Heart Productions funds "Generation Zapped" documentary
<http://variety.com/2016/film/news/generation-zapped-documentary-from-the-heart-1201690580>

VARIETY

Positive Lebanon: A much needed documentary by a Lebanese director
<http://www.positivelebanon.com/generation-zapped-a-much-needed-documentary-by-a-lebanese-director>



Prevent Disease: Transformational documentary highlights health risks associated with wireless technology
http://preventdisease.com/news/16/102716_Generation-Zapped-Documentary.shtml



ElectricSense : This filmmaker and mother of 3 needs your help
<http://www.electricsense.com/11837/generation-zapped-emf-appeal>

ElectricSense 

Are we raising a zapped generation?
<http://blog.motherbees.com/raising-zapped-generation>

M O T H E R B E E S™
BLOG



Director's Statement

In less than a generation, cell phones and the Internet have revolutionized virtually every aspect of our lives, transforming how we work, socialize and communicate. But what are the health consequences of this invisible convenience?

As a mother of teenagers I am concerned with the shadow side of wireless technology on our children. I am troubled by the increased health risks and how it is sociologically impacting childrens' development and behavior. As a citizen and consumer, I am disturbed by the business ethics behind the wireless revolution and its ubiquitous use in schools, at work, and at home.

I love technology and the many conveniences it has offered us, yet I believe that increased transparency is vital, including pre-market testing, post-market monitoring, and revised policies and regulations.

Finally, I invite audiences to consider the case for honoring the precautionary principle when it comes to the adoption of wireless technology—to simply slow down, turn it off at night and “plug it in” until more extensive research is validated and complete.

—Sabine El Gemayel





Personal Stories

JAIMIE & AMBER
DONNA JAYNES
ALAN MARKS
ELLEN MARKS

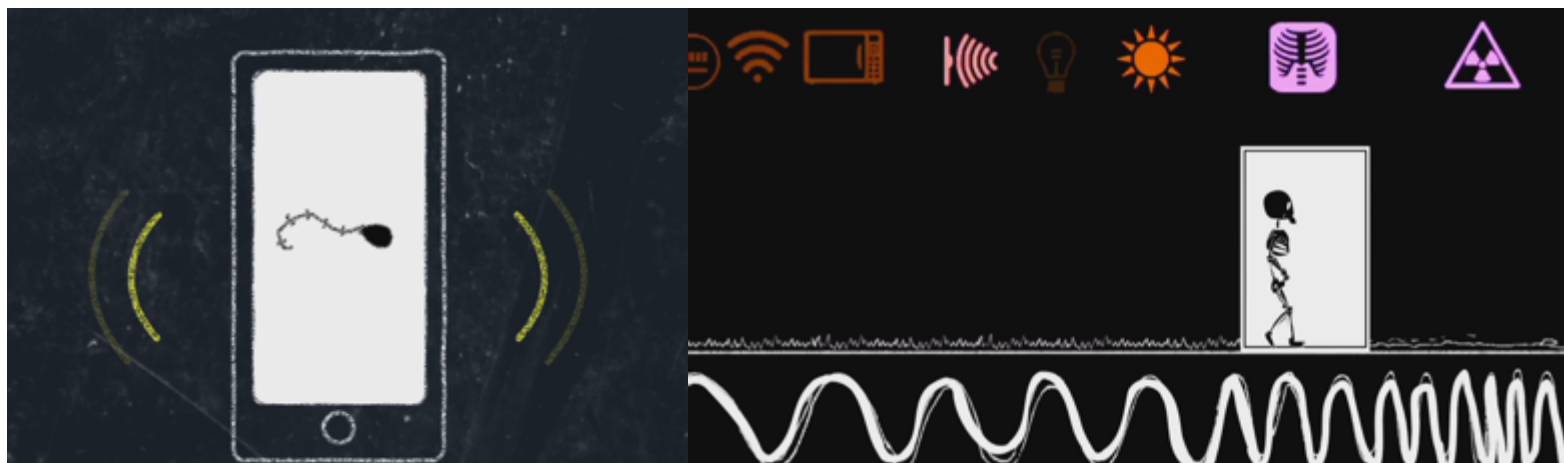
ElectroHyper Sensitive Photographer and his wife
Breast Cancer Survivor
Brain Tumor Survivor
Founder California Brain Tumor Association

Experts

(In Alphabetical Order)

IGOR BELYAEV
DOMINIQUE BEMPOMME
MARTIN BLANK
ERNESTO BURGIO
DAVID CARPENTER
GEORGE CARLO
DEVRA DAVIS
VICTORIA DUNCKLEY
LARRY GUST
LENNART HARDELL

MAGDA HAVAS
MARTHA HERBERT
OLLE JOHANSSON
ERICA MALLERY-BLYTHE
JOEL MOSKOWITZ
BILL PIAZZA
CINDY SAGE
JONATHAN SAMET
DAFNA TACHOVER
JOHN WEST





Expert Bios



IGOR BELYAEV, Dr. Sc.

Cancer Research Scientist

Head, Laboratory of Radiobiology, Cancer Research Institute, Slovak Academy of Science BMC SAS

Dr. Belyaev is formerly a member of: The Working Group of the International EMF Project of the World Health Organization, the Working group for the evaluation of RF carcinogenicity of the International Agency on Research in Cancer (IARC); the Stakeholder Dialogue Group on EMF, Health systems and Products, Risk Assessment, Health and Consumers of the Directorate-General, of the European Commission.



DOMINIQUE BELPOMME, MD, PhD

Oncologist

Founder/President ECERI (European Cancer and Environment Research Institute), Belgium

President of the ISDE-France (International Society of Doctors for the Environment), France

President of ARTAC, (Research on Treatments Against Cancer), France

Professor Belpomme has published many scientific papers in peer reviewed journal and has written several books for the medical society as well as for the general public. He is one of the worldwide recognized leaders working on the causal links between the environmental degradation and the origin of cancer and other diseases.



MARTIN BLANK, PhD

Associate Professor, Physiology and Cellular Biophysics

Columbia University

Author of Overpowered

Dr. Blank is an expert on the health-related effects of electromagnetic fields and has been studying the subject for over 30 years. He earned his first PhD from Columbia University in physical chemistry and his second from the University of Cambridge in colloid science. From 1968 to 2011, he taught as an Associate Professor at Columbia University, where he now acts as a special lecturer. Dr. Blank has served as an invited expert regarding EMF safety for Canadian Parliament, for the House Committee on Natural Resources and Energy (HNRE) in Vermont, and for Brazil's Supreme Federal Court.



ERNESTO BURGIO, MD, PhD

Pediatric Cancer Scientist

President of the Scientific Committee of the International Society of Doctors for Environment (SCISDE)

Dr. Burgio graduated in Medicine and Surgery at the University of Pavia - Italy before specializing in Pediatrics at the University of Florence-Italy. His research focuses on pediatric cancers related to environment pollutants including EMFs.



DAVID CARPENTER, MD

Co-Editor of the BioInitiative Reports

Director of the Institute for Health & Environment at University of Albany

Dr. Carpenter's research focused on the relationship between exposures to a variety of chemicals and ionizing radiation on incidence of several human diseases, including diabetes, hypertension, heart disease, and diseases of the nervous system. The Institute which he directs has recently been identified as a Collaborating Center of the World Health Organization. He has more than 350 peer reviewed publications and has edited five books. He is the Co-Editor of the *BioInitiative Report* (www.bioinitiative.org), and has published extensively on human effects of both powerline and radiofrequency electromagnetic fields."



GEORGE L. CARLO, MSc, JD, PhD

Former Chairman of the Wireless Technology Research (WTR), 1990 - 1996

Author of *Cell Phones: Invisible Hazards of the Wireless Age*

George L. Carlo is a world recognized medical scientist, best-selling author, and attorney. He has advised a wide range of federal elected officials and has testified before Congress on a number of public interest issues. His discoveries have been incorporated into U.S. and global patents in areas including anti-viral vaccines, medical devices, and environmental protection technologies. He presently holds appointments as Chairman of the non-profit Science and Public Policy Institute based in Washington, D.C.. and as a Visiting Professor at Longwood University in Farmville, Virginia.



DEVRA LEE DAVIS, PhD, MPH

Epidemiologist

Author of *Disconnect - The Truth About Cell Phone Radiation* and *When Smoke Ran Like Water*

Dr Davis was former Senior Advisor to the Assistant Secretary for Health in the Department of Health and Human Services, a member of a team awarded the Nobel Peace Prize in 2007 with the Honorable Al Gore, founding Director of the Center for Environmental Oncology, University of Pittsburgh Professor of Epidemiology at the Graduate School of Public Health. She is currently President of Environmental Health Trust, a non-profit working to identify and avoid environmental health hazards.



VICTORIA L. DUNCKLEY, MD

Integrative Child and Adolescent Psychiatrist

Author of *Reset Your Child's Brain*

Dr Dunckley, is an award-winning integrative child psychiatrist, author, researcher, and forensic consultant based at the Centre for Life in Los Angeles. She is an internationally recognized expert on the impact of screen-time on brain health and development, and is a leading voice regarding screen-time's influence on psychiatric disorders, addiction, and the overuse of medication in children.



LARRY GUST

Building Biology Environmental Consultant

Electromagnetic Radiation Specialist

Electrical Engineer

Lawrence Gust is an Electrical Engineer, a certified Building Biology Environmental Consultant, and an Electromagnetic Radiation Specialist. He is the founder of Gust Environmental established in 1993 specializing in assessment and correction of indoor environmental health factors. He lives in southern California, teaches for the Institute for Building Biology, and is president of the board.



LENNART HARDELL, MD, PhD

Oncology Epidemiologist

Former Professor of Cancer Epidemiology, University Hospital Orebro, Sweden

Dr Hardell has a long career as a clinical and medical research doctor, currently at the Department of Oncology, University Hospital, Örebro, Sweden. He is specialised in oncology with a focused interest in environmental risk factors for cancer that he has studied in epidemiological investigations. In recent years much of his research has focused on use of mobile phones and cordless phones and the risk of brain tumours. He has published more than 300 peer-reviewed scientific articles.



MAGDA HAVAS, BSc, PhD

*Associate Professor of Trent School of the Environmental
Trent University, Canada*

Co-author of *Public Health SOS: The Shadow Side of the Wireless Revolution*

Dr. Havas is a professor, a research scientist (environmental toxicologist), author and international speaker. She works with low frequency electromagnetic fields, dirty electricity, ground current and radio frequency (microwave) radiation, and studies how these frequencies affect people, plants, animals (livestock) and insects (bees).



MARTHA HERBERT, MD, PhD

Pediatric Neurologist and Brain Development Researcher

Author of *The Autism Revolution: Whole Body Strategies for Making Life All It Can Be.*

Dr. Martha Herbert is a pediatric neurologist, brain researcher, writer, speaker, and integrative systems thinker. She founded the TRANSCEND Research Program at the Martinos Center for Biomedical Imaging of Massachusetts General Hospital/Harvard Medical School/MIT, and directs the Higher Synthesis Health clinic and practice-based research center in Cambridge, Massachusetts.



OLLE JOHANSSON, PhD

*Associate Professor in Basic and Clinical Neuroscience
Karolinska Institute, Sweden*

Olle Johansson, is a world-leading authority in the field of EMF radiation and health effects. Among many achievements he coined the term “screen dermatitis” which later on was developed into the officially recognized functional impairment electrohypersensitivity. His studies have been widely recognized in the public media, including newspapers, radio, and TV as well as on the Internet, both nationally as well as internationally, and he is a regular interview guest in magazines, journals, tabloids, and newspapers, as well as in radio shows, TV programmes, and in the Internet-based news blogs and websites.



ERICA MALLERY-BLYTHE, MD

Emergency Medicine

Physician’s Health Initiative for Radiation and Environment (PHIRE)

Dr. Mallery-Blythe, founder of PHIRE, Trustee for Radiation Research Trust, and Medical Advisor for ES-UK, is a UK trained medical doctor with a decade of experience within hospital medicine of various disciplines within multiple countries. In 2008, she began researching biological effects of non-ionising radiation.



JOEL M. MOSKOWITZ, PhD

Director, Center for Family and Community Health, School of Public Health

University of California, Berkeley

Dr. Joel Moskowitz and his colleagues published a review of the research on mobile phone use and tumor risk in the *Journal of Clinical Oncology* in 2009. Since then he has served as a resource for policy makers and the press regarding wireless radiation safety.



BILL PIAZZA

Environmental Engineer at Air Quality Dynamics, LAUSD

Piazza is the head of risk management and the environmental assessment coordinator for odors and emissions in the Los Angeles Unified School District's Office of Environmental Health and Safety. He has worked for over a decade to assess the health effects of various emissions in populated areas.



CINDY SAGE, MA

Environmental Scientist

Co-Editor of the *BiolInitiative Reports*

Sage is the co-editor and principal author of the *BiolInitiative Reports* (2007 and 2012) and a founder of the international BiolInitiative Working Group. Ms. Sage has published many scientific studies on electromagnetic fields and radiofrequency radiation, including science, public health, public policy, and environmental consequences of exposures to EMF and RFR.



JONATHAN SAMET, MD, MS

Director, Institute for Global Health, University of Southern California

Distinguished Professor and Flora L. Thornton Chair for the Department of Preventive Medicine, Keck School of Medicine of USC

Dr. Samet, a pulmonary physician and epidemiologist, has centered on epidemiologic research on threats to public health using research findings to support policies that protect population health. He chaired the Working Group of the WHO International Agency for Research on Cancer that evaluated radiofrequency electromagnetic radiation.



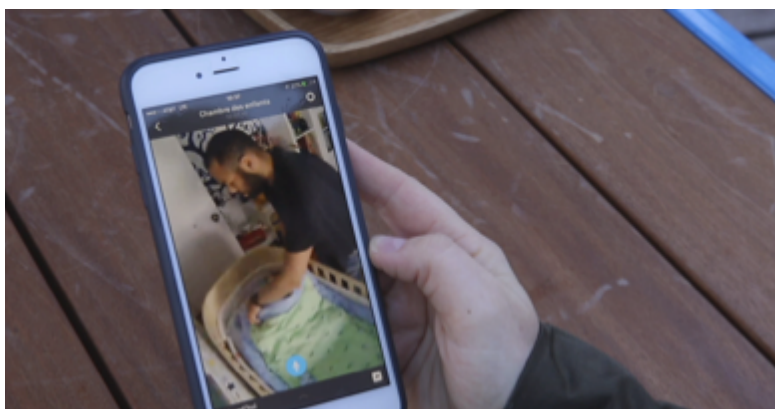
DAFNA TACHOVER, Esq., MBA
Attorney with Electro Sensitivity
CEO, We Are The Evidence

Tachover is the founder of “*We Are The Evidence*”, an advocacy organization for the protection of the rights of people who have been injured by wireless technology radiation. She is an attorney in NY and Israel. Since she developed Electromagnetic Sensitivity (“ES”) in 2009, she has been dedicating her work to the topic including lecturing, PR, lobbying, and litigating.



JOHN WEST, MD
Oncologist, Director of Surgery
Breastlink of Orange, California
Author of *Prevent Survive, Thrive: Every Woman’s Guide to Optimal Breast Care*

Dr. West became fascinated with the multidisciplinary team approach to breast cancer care in the mid 1980s. He has been recognized as one of the “Best Doctors in Orange County.” He has been the lead author in 20 peer reviewed articles and has written two previous books.





The Team



SABINE EL GEMAYEL • PRODUCER AND DIRECTOR

Sabine El Gemayel conveys her strong narrative skills and her deep understanding of human emotions into her directing work, giving a voice to extraordinary people in ordinary situations and undermined social themes.

Wandering around the Middle East under inconceivable circumstances during the Persian revolution and the Lebanese wars, Sabine considers herself to be a citizen of the world. Her passion for filmmaking brought her to Los Angeles, where she resides since 1994.

After editing a number of award winning feature films, Sabine successfully marked her debut as a writer-director with NILOOFAR (in competition at Berlinale 59th Generation Kplus, Cannes Junior, AFI, and prestigious special screenings).

Currently, Sabine has two compelling socially engaged screenplays ready to get produced. As a mother, Sabine is on a mission to expose the Truth about the impacts of wireless technology on our health, especially the effects on children and young adults.

PETER SULLIVAN • EXECUTIVE PRODUCER

Peter Sullivan is the founder and CEO of Clear Light Ventures, Inc., as well as an environmental health funder who focuses on toxins and wireless safety. He has spent the last 15 years successfully recovering his two sons from autism and sensory issues. Peter's work on detoxification and EMF have been featured in the book *Toxin Toxout: Getting Harmful Chemicals Out of Our Bodies and Our World*, the book *The Out of Sync Child Grows Up: Coping with Sensory Processing Disorder in the Adolescent and Adult Years*, and CNN's *Morgan Spurlock: Inside Man*. He serves on the advisory board for the International Institute for Building-Biology & Ecology.



Today Peter is one of the leading funders in the country in this area of research, funding work at Harvard, Stanford, University of California, Berkeley, and several leading environmental health non-profits. He speaks about autism and environmental health at conferences throughout the United States and abroad. Previously, he was a software designer for Netflix, Inc., Interwoven, Inc., Excite@Home, and Silicon Graphics. Prior to working in high-tech, he was an Executive Officer and pilot in the United States Navy. He has a B.A. in psychology from University of Detroit and an M.S. in computer science from Stanford University.



CAROLYN CHEN • EXECUTIVE PRODUCER & CINEMATOGRAPHER

Carolyn Chen has brought her stunning visual style and emotionally driven storytelling to TV commercials and brand content for over two decades.

Her stories range from a series of visually striking moments found in a real-people documentary to unique narrative performance that defines a national brand campaign.

An award-winning cinematographer, Carolyn spent her childhood armed with a camera and black and white film roaming lower Manhattan and Chinatown. After beginning her formal photography training at RISD, she was compelled to more narrative storytelling and completed her education in filmmaking at NYU.

Carolyn has directed over 200 spots for top advertising agencies and diverse leading. Recently, she launched Production For The People – a company that offers high quality production at costs that are astonishingly affordable.

ARTEM ZUEV • CINEMATOGRAPHER

Photographer and cinematographer Artem Zuev was born in Saint Petersburg, Russia and moved to the United States at the age of 11. He discovered his passion for photography as a young boy while borrowing his grandfather's unloaded 35mm camera for the sole joy of being able to set focus and press the shutter. Artem studied International Relations and Cinematic Arts at the University of Southern California and graduated in 2008.

The real filmmaking school began in the cutting room with mentor and editor Alain Jakubowicz. Artem got his first break as a cinematographer on Isaac Hertz's *One Rock Three Religions* which won the 2015 International Jury Grand Prix at the Terra di Siena Film Festival, 2016 Impact DOCS Award, and has received a special screening at the U.S. Congress.

Outside of filmmaking, Artem plays professional level petanque and represents USA as player and coach in international competitions and world championships.





MARCO JAKUBOWICZ • EDITOR

Marco is a part of the very last generation that had the privilege to work on 35mm film, thus understanding the power of cutting celluloid prior to the digital revolution. This unique experience shaped his savoir-faire in terms of storytelling. In Marco's own words: "The difference between cutting film and digital editing is: In the film days one used to think and then make a cut. Today, one makes a cut and then thinks."

Marco moved from Israel to Los Angeles in 1997. With more than 6 feature films, 5 feature documentaries, numerous TV documentaries and commercials, and over 18 years of experience in a cutting room, Marco is dedicated to telling compelling and engaged stories with images. Some of his credits include *A Lego Brickumentary*, *Tattoo Nation*, *WWII in HD*, and *Crank: High Voltage*.

EDWARD OSEI-GYIMAH • EDITOR

Edward is an award-winning Editor whose credits include *Who Will Survive America?* (Sundance/AMC), *Power* (OTG/Kavana ENT), *30 For 30: Here Come The Show* (ESPN/Netflix), *Slingshot* (White Dwarf Productions), and *The Girls In The Band*.

He has also forged a successful career in the commercial world, serving on campaigns for: *Bacardi*, *Google*, *Beats By Dre*, *Polaris*, and *The Players' Tribune*.

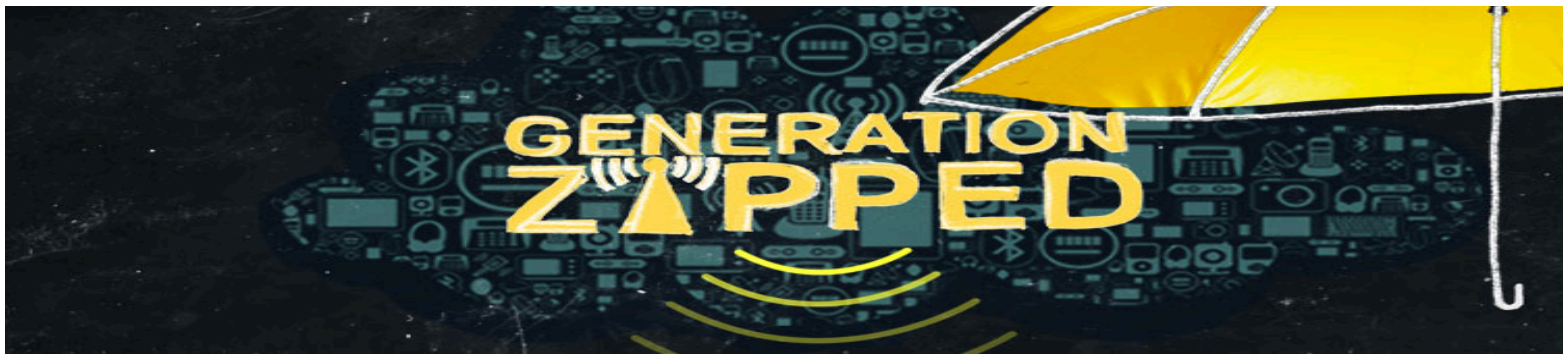




JORDAN HALPERN • MUSIC

Jordan is a Los Angeles native and multi-instrumentalist who scored his first film at age 21. His film/TV work includes *Jeremy Fink and the Meaning of Life* starring academy award winner Mira Sorvino and Joe Pantoliano, as well as multiple original series for Netflix, HBO, Amazon, and Reelz Network. Jordan's commercial campaigns range from presidential candidates to major brands like MasterCard, Pepsi, Burger King, L'Oreal, Toyota, Dell Computers, and Bergdorf-Goodman. He draws his inspiration from artists and composers like Cliff Martinez, Brian Eno, Lorne Balfe, Ry Cooder, and Butch Vig who have all pushed Jordan to create unique music for each new project.





Tips For Your Safety

1. **Get wired.** Prefer wired connection. They don't use microwaves to transmit information. That means prefer a wired desktop computer and favor corded phones. You can transfer your wireless calls to your landline.
2. **Get off the grid.** Turn your router and devices Off or put on Airplane mode and Bluetooth Off when not in use. Don't use wireless devices in metal enclosures like cars and elevators.
3. **Get pure sleep** with no wireless devices in your bedroom unless on Airplane mode. EMF affects your melatonin secretions and your brain.
4. **Get time conscious.** Decrease your exposure time by speaking less on cell phones, switching ears if you have to talk and minimizing your time spent in Wi-Fi hotspots.
5. **Get it out** of your pocket to prevent infertility and out of your bra to prevent breast cancer.
6. **Get sight.** Look out for cell phone towers near you and your children's school and lobby to get them removed. Opt out of smart meters and smart home alarms.
7. **Get smart.** Apply all of the above to minimize firsthand and secondhand radiations. Especially for children and pregnant women.

Follow Our Journey



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