

Does EMF damage tissue which becomes antigenic?

Does EMF alter the way damaged cells attract responses?

Does EMF alter the function of immune response cells?

Does EMF alter membrane permeability so antigens penetrate tissues?

Does EMF deplete genetic and cellular repair mechanisms or divert them?

"GAME CHANGING" STUDY BIOINITIATIVE REVIEW NTP: CELLPHONES, CANCER

BIOINITIATIVE REPORT 2012

IMMUNE SYSTEM EFFECTS

BRAIN TUMORS

CHILDHOOD CANCERS

BREAST CANCER

EMF, CANCER OVERVIEWS AND OTHER EFFECTS IN THE IMMUNE SYSTEM

DR. JOEL MOSKOWITZ EMF AND CANCER

VIDEO: EMF AND CANCER

EMF, CANCER PROMOTION

MOBILIZE, A DOCUMENTARY

DR. O. JOHANSSON IMMUNE SYSTEM DISTURBANCE

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[EMF and the Brain](#)

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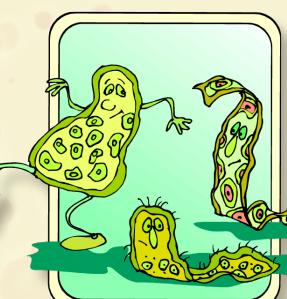
[Melatonin Hypothesis](#)

[EMF and Membranes](#)

[EMF Toxin Interactions](#)

[Electro-Hypersensitivity](#)

[NeuroInflammation, EMF](#)



EMF Studies

[EMF, cellular damage](#)

[EMF, calcium signaling](#)

[MF, childhood leukemia](#)

[MW, immunologic effects](#)

[MF, inflammatory cytokines](#)

[RF, phagocytosis, chemotaxis](#)

[ELF, NADPH, immune system](#)

[EMF exposure, human disease](#)

[RF, enzyme function, leukemias](#)

[RF, interaction with lymphocytes](#)

[MF, decreased NK cell activities](#)

[EMF, multiple effects, exposures](#)

[Powerlines, bio-effects, leukemia](#)

[ELF, Europe, childhood leukemia](#)

[RF, downregulated T-helper cells](#)

[ELF, macrophage activation, rats](#)

[RF, glioblastoma, reduced survival](#)

[ELF, immune effects, rainbow trout](#)

[EMF, breast cancer meta-analysis](#)

[EMF, immune function in operators](#)

[MW/RF, bio-effects, immune function](#)

[ELF, multiple effects, immune effects](#)

[RF, prenatal dev., thymus, spleen, rat](#)

[MF-ELF, endocrine/immune responses](#)

[EMF/RFR, immune system in autism, I](#)

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[EMR, blood indices of immune function](#)

[MF, calcium signaling, immune function](#)

[ELF, macrophage activation, hypothesis](#)

[Mobile phone EMF, thyrocyte proliferation](#)

[EMF-ELF, genetic, other immune changes](#)

[EMF-ELF, monocyte-macrophage response](#)

[EMF-ELF, bacteria, suppression of caspase-9](#)

[Mobile phones, bras, aggressive breast cancer](#)

New Studies



[★ RF, acoustic neuroma](#)

[★ ELF, childhood leukemia](#)

[★ RF, vestibular schwannoma](#)

[★ Mobile phones, parotid tumors](#)

[★ Mobile phones, pituitary tumors](#)

[★ Meta-analysis, ELM, pooled cancer risk](#)

[★ Wireless phones, case studies, glioma, Sweden](#)

[★ Amateur radio operators, acute myeloid leukemia](#)

[★ Wireless phones, decreased survival, glioblastoma](#)

[★ Sub-thermal RF, changes in thymus activity, structure](#)

IMMUNE EFFECTS OF EMF

Allergic responses

Disturbance in sleep repair functions

Penetration of membrane barriers

Increased stress hormones

Antigenic structural expression

Inflammatory responses

Less effective DNA repair

Increased allostatic load

Free radical injuries

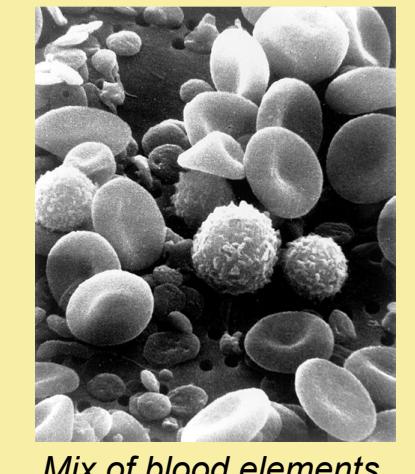
Increased macrophage activation

Altered calcium signaling

Altered gene expression

Blood cell parameter changes

Decreased natural killer cell function



Mix of blood elements, including immune cells

EMF Articles

[FM transmitters, melanoma](#)

[EMF linked to cancer, ill health](#)

[EMF and Your Immune System](#)

[★ Radio Waves Make You Sicker](#)

[Dr. Oz: Keep cellphone out of bra](#)

[EMFWise: immune and other effects](#)

[Mobile phones, salivary gland cancer](#)

[Mobile phones could triple tumor risk](#)

[★ Carcinogenicity: Evidence Mounts](#)

[Crohn's disease, wireless technologies](#)

[★ Brain tumor rates are rising in the US](#)

[★ Power lines, leukemia, other diseases](#)

[MW News: Summary EPA, EMF, cancer](#)

[Do Cellphones Weaken Disease Resistance?](#)

[★ 44 reasons to believe cell phones cause cancer](#)

[★ Italian Supreme Court: mobile phones cause cancer](#)

CANCER AND EMF

[Brain tumors](#)

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