#### Mobile phones a world-wide experiment

Exposed group: 1/4 of the world's population

Control group: 3/4 of the world's population

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Continuous wave and pulsed modulated microwaves at 915 and 1800 MHz cause significantly increased leakage of albumin through the BBB of exposed rats as compared to non-exposed animals.

SAR values lower than 1 mW/kg give rise to a more pronounced albumin leakage through the BBB than higher SAR values!

The most pronounced BBB-opening effect of the cellular telephone may not be in the most superficial layers of the brain, but several centimetres deep in central cerebral structures! It can not be excluded that non-users in the vicinity of the cellular phone users may be influenced by these weak effects.

If mobile communication, even at extremely low SAR values, causes the users' own albumin to leak out through the BBB, which is meant to protect the brain, also other unwanted and toxic molecules in the blood may leak into the brain tissue and concentrate in the neurones and glial cells!

#### **CONCLUSION:**

The suppliers of mobile communication and our politicians have an extensive responsibility to support the exploration of the possible effects on health of Radiofrequency Electromagnetic Fields as those used in mobile telephony

#### Speculations:

Does repeated exposures to Mobile Phone RF give a milieu in the brain where albumin and smaller molecules, including toxic ones, accumulate around and in the cells? Is such a milieu dangerous for the brain in the long run? Does such a leakage lead to autoimmune diseases - (MS)? May dendritic connections be lost - (Alzheimer's disease)? Are transmittor systems in synapses disturbed - (ALS)? Speculations - but important for 1/4 of mankind to explore!

