

# Activation of Hematoporphyrin in Alternating Magnetic Field: Possible Implications for Cancer Treatment

Melánia Babincová<sup>a,\*</sup>, Phoumyphone Sourivong<sup>b</sup>,  
Danuta Leszczynska<sup>c</sup> and Peter Babinec<sup>a</sup>

<sup>a</sup> Department of Biophysics and Chemical Physics,  
Comenius University, MFF UK, Mlynská dolina F1,  
842 15 Bratislava, Slovakia.

Fax: +(421)-7-654-25-882.

E-mail: babincova@fmph.uniba.sk

<sup>b</sup> Physics Department, University of North Dakota,  
Grand Fork, ND 58202, USA

<sup>c</sup> Department of Civil Engineering, FAMU-FSU  
College of Engineering, Tallahassee, FL 32310, USA

\* Author for correspondence and reprint request

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A new mechanism of cell damage by alternating magnetic field with hematoporphyrin is described. C6 glioblastoma cell suspensions were exposed to an alternating magnetic field with frequency 180 kHz up to 60 min in the presence of hematoporphyrin in H<sub>2</sub>O and in D<sub>2</sub>O. The results presented suggest that an alternating magnetic field is able to activate hematoporphyrin, and this method may be a basis for cancer treatment.