



Department of Psychiatry

Columbia University, College of P&S

NYS

Psychiatric Institute

DIVISION OF BRAIN STIMULATION AND THERAPEUTIC MODULATION

JOURNAL CLUB

MARTIN BLANK, PHD

**ASSOCIATE PROFESSOR
DEPARTMENT OF PHYSIOLOGY & CELLULAR BIOPHYSICS
COLUMBIA UNIVERSITY**

REBA M. GOODMAN, PHD

PROFESSOR EMERITA, CLINICAL PATHOLOGY; SPECIAL LECTURER IN PATHOLOGY

ELECTROMAGNETIC FIELDS AND THE BRAIN

Wednesday January 21, 2009

1:00 PM to 2:00 PM

Location: New York State Psychiatric Institute, 1051 Riverside Drive, Room 5001

(Enter Kolb Annex, 40 Haven Ave., turn rt., walk through atrium and across bridge over Riverside Dr. to new NYSPI, take elevator to 5th Fl.)
(See over for brief speaker biographies and J Club paper)

ABOUT MARTIN BLANK, PHD

Dr. Martin Blank is Associate Professor, Department of Physiology & Cellular Biophysics, Columbia University. His work has focused on basic mechanisms of EMF interaction. Current projects include developing measures of DNA damage due to EMF across the EM spectrum.

ABOUT REBA M. GOODMAN, PHD

Dr. Reba M. Goodman is Professor Emerita, Clinical Pathology and Special Lecturer in Pathology, Department of Pathology, Columbia University. Her work is focused on how low frequency electromagnetic fields interact with cells and tissues to induce changes in gene regulation and activation of specific MAPkinase proteins. Her major interest of the moment is translational research which takes the results from the laboratory bench to direct clinical application, in particular peripheral nerve repair and ischemia reperfusion.

PAPER FOR JOURNAL CLUB

BIOINITIATIVE REPORT: ONLINE AT WWW.BIOINITIATIVE.ORG

SELECTED RECENT PUBLICATIONS OF DRs. MARTIN BLANK AND REBA GOODMAN

George I, Geddis MS, Lill Z, Lin H, Gomez T, Blank M, Oz MC, Goodman R. Myocardial function improved by electromagnetic field induction of stress protein hsp70. J Cell Physiol. 2008 Sep;216(3):816-23.

Blank M. Protein and DNA reactions stimulated by electromagnetic fields. Electromagn Biol Med. 2008;27(1):3-23. Review.

Blank M, Goodman R. A mechanism for stimulation of biosynthesis by electromagnetic fields: charge transfer in DNA and base pair separation. J Cell Physiol. 2008 Jan;214(1):20-6. Review.

Blank M. The Precautionary Principle must be guided by EMF research. Electromagn Biol Med. 2006;25(4):203-8.

Blank M, Goodman R. BEMS, WHO, and the precautionary principle. Bioelectromagnetics. 2007 Apr;28(3):242-3; discussion 243-5.

Blank M. Do electromagnetic fields interact with electrons in the Na,K-ATPase? Bioelectromagnetics. 2005 Dec;26(8):677-83.

Blank M, Goodman R. Comment: a biological guide for electromagnetic safety: the stress response. Bioelectromagnetics. 2004 Dec;25(8):642-6; discussion 647-8.

Blank M, Goodman R. Initial interactions in electromagnetic field-induced biosynthesis. J Cell Physiol. 2004 Jun;199(3):359-63. Review.