



BioInitiative: A Rationale for a Biologically-based Exposure Standard for Electromagnetic Radiation

SECTION i.	PREFACE
SECTION ii:	TABLE OF CONTENTS
SECTION 1:	SUMMARY FOR THE PUBLIC AND CONCLUSIONS Ms. Sage
SECTION 2:	STATEMENT OF THE PROBLEM Ms. Sage
SECTION 3:	THE EXISTING PUBLIC EXPOSURE STANDARDS Ms. Sage
SECTION 4:	EVIDENCE FOR INADEQUACY OF THE STANDARDS Ms. Sage
SECTION 5:	EVIDENCE FOR EFFECTS ON GENE AND PROTEIN EXPRESSION (Transcriptomic and Proteomic Research) Dr. Xu and Dr. Chen
SECTION 6:	EVIDENCE FOR GENOTOXIC EFFECTS – RFR AND ELF DNA DAMAGE Dr. Lai
SECTION 7:	EVIDENCE FOR STRESS RESPONSE (STRESS PROTEINS) Dr. Blank
SECTION 8:	EVIDENCE FOR EFFECTS ON IMMUNE FUNCTION Dr. Johansson

- SECTION 9: EVIDENCE FOR EFFECTS ON NEUROLOGY AND BEHAVIOR
Dr. Lai
- SECTION 10: EVIDENCE FOR BRAIN TUMORS AND ACOUSTIC NEUROMAS
Dr. Hardell, Dr.Mild and Dr. Kundi
- SECTION 11: EVIDENCE FOR CHILDHOOD CANCERS (LEUKEMIA0
Dr. Kundi
- SECTION 12: MAGNETIC FIELD EXPOSURE: MELATONIN PRODUCTION; ALZHEIMER'S DISEASE; BREAST CANCER
Dr. Davanipour and Dr. Sobel
- SECTION 13: EVIDENCE FOR BREAST CANCER PROMOTION (Melatonin links in laboratory and cell studies)
Ms. Sage
- SECTION 14: EVIDENCE FOR DISRUPTION BY THE MODULATING SIGNAL
Dr. Blackman
- SECTION 15: EVIDENCE BASED ON EMF MEDICAL THERAPEUTICS
Ms. Sage
- SECTION 16: THE PRECAUTIONARY PRINCIPLE
Mr. Gee
- SECTION 17: KEY SCIENTIFIC EVIDENCE AND PUBLIC HEALTH POLICY RECOMMENDATIONS
Dr. Carpenter and Ms. Sage
- SECTION 18: LIST OF PARTICIPANTS AND AFFILIATIONS
- SECTION 19: GLOSSARY OF TERMS AND ABBREVIATIONS
- SECTION 20: APPENDIX - Ambient ELF and RF levels
Average residential and occupational exposures
- SECTION 21: ACKNOWLEDGEMENTS