

# International NIR and Health Workshop - Brazil

May 18<sup>th</sup> and 19<sup>th</sup> 2009

Ministério Público do RS, Rua A. Figueiredo Pinto 80, P. Alegre, RS, Brazil.

[www.ufrgs.br/ppgee/rni.htm](http://www.ufrgs.br/ppgee/rni.htm)

The purpose of the workshop is to present lectures as a basis to initiate discussions among Brazilian and foreign scientists and public health authorities on the potential biological and health consequences and the setting of exposure limits of nonionizing electromagnetic fields/radiation (NIR).

The workshop will be under the sponsorship of the Brazilian Ministry of Health, as well as some other governmental and non governmental organizations. International researchers from several countries will deliver invited talks on selected subjects.

Researchers, public health authorities, as well as authorities from the legislative, executive and judiciary governmental bodies from Brazil and other South American countries are also invited.

## Programme

**First day:** 18<sup>th</sup> May 2009

**Morning- Chairman:** Dr. Henry Lai (Univ. of Washington, US)

8.00 - 8.30 am: Registration

8.30 - 9.15 am: Opening session: Authorities representing the executive, the legislative, judiciary and MP, as well as other sponsors.

9.15 - 9.45 am: Dr. Henry Lai, Univ. of Washington, US – “Thermal and non-thermal effects.”

9.45 - 10.15 am: Dr. Carl Blackman, CFB, US – “The relevance of discovery science for research on the health effects of EMF.”

10.15 - 10.30 am: **Coffee break**

10.30 - 10.50 am: Dr. Livio Giuliani, ISPESL / Italy – “The Zhadin effect: a non thermal mechanism of interaction between magnetic fields and living matter.”

10.50 - 11.20 am: Dr. Martin Blank, Columbia Univ., US – “Stress protein synthesis: a cellular response to EMF interaction with DNA.”

11.20 - 12.30 pm: **Round table** - The previous speakers and audience. **Moderator:** Dr. Henry Lai.

12.30 - 2.00 pm: **Lunch**

**Afternoon- Chairman:** Dr. Carl Blackman, CFB, US.

2.00 - 2.30 pm: Dr. Leif Salford, Lund Univ / Sweden – “Effects of mobile phone radiation upon the blood-brain barrier, neurons, gene expression and cognitive function of the mammalian brain.”

2.30 - 3.00 pm: Dr. Michael Kundi, Med. Univ. of Wien, Austria – “Epidemiologic evidence for a relationship between NIR and cancer - a controversial issue.”

3.00 - 3.30 pm: Dr. Franz Adlkofer, Verum Foudation, Germany – “Proof of principle tests confirm the genotoxic potential of radio-frequency electromagnetic fields (RF-EMF).”

3.30 - 4.00 pm: Dr. Om P. Gandhi, Univ. of Utah, US – “Underestimation of EMF/NIR exposure for children for mobile telephones and for electronic article surveillance (EAS) systems.”

4.00 - 4.15 pm: **Coffee break**

4.15 - 4.45 pm: Dr. Raymond Neutra, Albany, US – “Risk Assessment and Policy Lessons from the California EMF Program.”

4.45 - 5.15 pm: Dr. Devra Davis, Univ. of Pittsburgh, US – “Lessons from the Center for Environmental Oncology - The Secret History of the War on Cancer: The Pittsburgh experience to promote precaution on cell phones.”

5.15 - 5.30 pm: Ms. Elizabeth Kelley, ICEMS, US – “National and International Standards for Worker and Public Exposure to NIR.”

5.30 - 7.00 pm: **Round table:** The previous speakers and audience. **Moderator:** Dr. Henry Lai.

7.30 - 9.00 pm: **Cocktail.**

**Second day:** 19<sup>th</sup> May 2009

**Morning – Chairwoman:** Dr. Ana Maria M. Marchesan., MP/RS

8:30 - 8:50 am – Dr. Adilza Dode, UFMG: “Neoplasias and cellular telephony in the city of Belo Horizonte.”

8:50 - 9:10 am - Dr. Geila R. Vieira, SMS/P.A.: “Non-ionizing radiations: the importance of practicing vigilance on environmental health of a population.”

9:10 - 9:30 am - Dr. Sergio Koifman, ENSP/FioCruz, “Exposure to low frequency electromagnetic fields and mortality by childhood leukemia: exploratory analysis of its association in the city of São Paulo.”

9:30 - 9:40 am: Dr. Carlos Eduardo C. Abrahão, SMS/Campinas: “A Revision of the Brazilian Medical Ethics Code in 2009: Inclusion of the Precautionary Principle.”

9:40 - 10:10 am: Dr. Guilherme Franco Netto, CGVAM/ MS: “Analysis and perspectives of the Ministry of Health on managing health under human exposure to NIR in Brazil.”

10:10 - 10:25 am: **Coffee break**

10:25 - 10:45 am - Prof. Francisco de A. F. Tejo, UFCG: “Health impacts of non-ionizing electromagnetic fields: the necessity to adopt the precautionary principle.”

10:45 - 11:15 am: Dr. Renato Rocha Lieber, UNESP/SP – “Risk, prevention and precaution in the technological disasters.”

11:15 - 11:35 am: Dr. Ana Maria M. Marchesan, MP/RS: “Radio-base stations and the action of the MP in the tutelage of the environment.”

11:35 - 11:55 am – Dr. Anaíza Malhades Miranda, MP/RJ: “The precautionary principle and the environmental licensing of RBS: regulamentation in the state of Rio de Janeiro.”

11:55 - 12:15 pm: . Dr. Tarcisio Neves da Cunha, FioCruz/INCA: “Vigilance on environmental health related to RNI.”

12:15 - 2:00 pm: **Lunch**

**Afternoon – Chairman:** Dr. João Carlos R. Peres, ABRADCECEL

2:00 - 3:30 pm: **Round table:** “The NIR and its effects on the health of workers.”

Dr. Solange R. Schaffer - Fundacentro/MTE: “Management of occupational exposure to NIR.” Dr. José Antonio S. Bulcão – Furnas: “Risk perception of utility workers about the effects of ELF fields.” Dr. César N. Vargas - SINTRESC/SC: “Hazards of 60 Hz EMF to health of utility workers.” Dr. Robson Spinelli Gomes - Fundacentro/MTE: “Analysis of occupational exposure to EMF in the sector of cellular telephony.” Prof. Claudio R. Fernández – IFSUL: “The distance between discourse and practice in the management of risks of technicians working in installation and maintenance of antennas of cellular telephony.” Eng. Antonio Marini de Almeida – CPqD: “Measurements of EMF in the work places.” Dr. Francisco Antonio B. Corrêa - SINTTEL/RS: “The NIR and the telecommunication workers.”

3:30 - 3:45 pm: **Coffee break**

3:45 pm to 4:00 pm: Prof. Hélio A. da Silva, UFJF: “Why a municipal Law to NIR is necessary.”

4:00 - 4:10 pm: Dr. Ivens Drumond, Abradecel – “The NIR and the national legislation.”

4:10 - 4:20 pm: Dr. Cíntia Schmidt, OAB/RS: “Punctual aspects of Bylaw 8896/02 which rules the RBS in Porto Alegre.”

4:20 - 4:30 pm: Eng. Marcos S. Oliveira, ANATEL: “The NIR in the perspective of ANATEL.”

4:30 - 5:45 pm: **Round table:** “Exposure limits in a national legislation.” Representatives from MP, MS, MMA, MTE, MME, MC, OAB, Ajuris, ENM, ANATEL, ANEEL, ABRADCECEL, etc. **Moderator:** Dr. Guilherme Franco Netto, CGVAM/MS.

5:45 - 7:00 pm: **Round table** and discussion with the previous speakers and participants; Main conclusions and directions of the workshop. **Moderator:** Dr. Cíntia Schmidt, OAB/RS.

7:00 pm: **Closing of the workshop.**