

**Ettore Majorana Foundation and Centre for Scientific Culture  
International School of Bioelectromagnetics “Alessandro Chiabrera”**

**4<sup>th</sup> COURSE: “Electromagnetic Fields and Epidemiology”**

Erice (Sicily, Italy): March 26, 2008, to April 2, 2008

*Director of the School: Ferdinando Bersani (University of Bologna, Italy)*

*Course Directors: Susanna Lagorio (Rome, Italy) and Joachim Schüz (Copenhagen, Denmark)*

<b>Wednesday 26 March 2008</b>	
<b>Time</b>	
12.00-18.00	Arrival and registration
18.00-19.00	Welcome reception
19.00-21.00	Dinner

<b>Thursday 27 March 2008 – Epidemiologic methods</b>		
<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
9.00-9.20	F. Bersani	Introduction to the course
9.20-9.30	S. Lagorio, J. Schüz	Course schedule and organizational remarks
9.30-11.00	C. Magnani	Epidemiology: Basic concepts and study designs
11.00-11.30	Coffee break	
11.30-13.00	M. Blettner	Basic concepts of analysis and risk estimation
13.00-14.30	Lunch	
14.30-16.00	S. Greenland	Bias, confounding, interactions
16.00-16.30	Coffee break	
16.30-18.00	B. Schlehofer	Practical issues of conducting epidemiological studies
18.00-20.30	Dinner	
<i>After-dinner seminar</i>		
20.30-22.00	M. Blettner	Conduct and interpretation of meta-analyses

<b>Friday 28 March 2008 – Exposure assessment and descriptive epidemiology</b>		
<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
9.00-9.30	G. Neubauer	Environmental exposures to ELF
9.30-10.00	G. Neubauer	Environmental exposures to RF
10.00-10.30	K. Hansson Mild	Occupational exposures to ELF and RF
10.30-11.00	K. Hansson Mild	Electric appliances, mobile phones and cordless phones
11.00-11.30	Coffee break	
11.30-12.15	M. Feychting	Exposure indices in ELF epidemiology
12.15-13.00	E. Cardis	Exposure indices in RF epidemiology
13.00-14.30	Lunch	
16.30-17.00	C. Magnani	Descriptive epidemiology of childhood leukemia
17.00-17.30	B. Schlehöfer	Descriptive epidemiology of brain tumours
17.30-18.00	C. Johansen	Descriptive epidemiology of neurodegenerative diseases
18.00-20.30	Dinner	
<i>After dinner Seminar</i>		
20.30-21.30	M. Rösli	Exposure misclassification in EMF studies

<b>Saturday 29 March 2008 – Health effects of RF exposure</b>		
<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
9.00-9.45	S. Lagorio	Mobile phone use and brain tumours: an overview
9.45-10.30	E. Cardis	Mobile phone use and brain tumours: the INTERPHONE Study
10.30-11.00	M. Feychting	Mobile phone use and acoustic neuroma
11.00-11.30	Coffee break	
11.30-13.00	S. Lagorio, E. Cardis, M. Feychting	Discussion of evidence (participants and speakers)
13.00-14.30	Lunch	
14.30-15.00	M. Rösli	Epidemiologic studies of broadcast transmitters
15.00-16.30	M. Rösli	EMF exposure and subjective symptoms and sleep (clinical epidemiology and human provocation studies)
16.30-17.00	Coffee break	
17.00-18.30	S. Greenland	Advanced statistics: Analysis of continuous exposure data
18.30-21.00	Dinner	

<b>Monday 31 March 2008 – Health effects of ELF exposure</b>		
<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
9.00-10.30	J. Schüz	ELF Magnetic fields and childhood leukemia
10.30-11.00	Coffee break	
11.00-12.00	M. Feychting	ELF Magnetic fields and breast cancer
12.00-13.00	L. Kheifets	ELF Magnetic fields and other cancers
13.00-14.30	Lunch	
14.30-15.15	C. Johansen	EMF exposure and neurodegenerative diseases
15.15-16.00	C. Johansen	EMF exposure and cardiovascular diseases
16.00-18.30	Open microphone on EMF epidemiology: poster presentations from participants and round table discussion of participants and speakers	
18.30-20.30	Dinner	
<i>After dinner Seminar</i>		
20.30-22.00	Group Work Exercise: Evaluation of an epidemiologic paper	

<b>Tuesday 1 April 2008 – Use of epidemiological findings in different scientific domains and selected topics</b>		
<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
9.00-9.30	G. Neubauer	Epidemiology and exposure surveys
9.30-10.30	K. Hansson Mild	Epidemiology and occupational safety
10.30-11.00	Coffee break	
11.00-12.30	I. Lagroye	Experimental research on EMF
12.30-13.00	G. Neubauer	The EU SCENIHR Opinion Statement
13.00-14.30	Lunch	
14.30-15.00	J. Schüz	Cohort studies of mobile phone users
15.00-16.30	L. Kheifets	Risk of childhood leukemia attributable to ELF exposure
16.30-17.00	Coffee break	
17.00-18.30	P. Vecchia	Epidemiological results and policy implications
18.30-19.00	Results of the Group Work Exercise	
19.00-22.00	<i>Social event Dinner and Award Ceremony</i>	

<b>Wednesday 2 April 2008 – ELF Environmental Health Criteria</b>		
<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
9.00-12.00	E. van Deventer	ELF Environmental Health Criteria 2007
12.00-12.30	F. Bersani	Conclusions