

# 5<sup>th</sup> International Course of Neuroepidemiology: Methods and Clinical Applications

**Ettore Majorana Centre for Scientific Culture  
Erice, Italy - November 26 to December 2, 2011**

## Program

**Saturday, November 26, 2011** Arrival and accommodation

**Sunday, November 27, 2011**

Morning Session (8:30 - 12:15): Surveys in Neurology

- 8:30 - 8:40 Welcome  
*G. Savettieri (Palermo - Italy); W.A. Rocca (Rochester, MN - U.S.A.)*
- 8:40 - 9:00 Introduction to the Course  
*W.A. Rocca (Rochester, MN - U.S.A.)*
- 9:00 - 9:45 Basic Ideas and Terminology  
*W.A. Rocca (Rochester, MN - U.S.A.)*
- 9:45 - 10:30 Population Surveys: Part 1  
*W.A. Rocca (Rochester, MN - U.S.A.)*
- 10:30 - 11:00 *Coffee Break*
- 11:00 - 11:45 Population Surveys: Part 2  
*W.A. Rocca (Rochester, MN - U.S.A.)*
- 11:45 - 12:15 General Discussion
- 12:15 - 15:00 *Lunch Break*

Afternoon Session (15:00 - 18:30): Surveys in Neurology: Examples

- 15:00 - 15:45 Epidemiology of Epilepsy: the Iceland Survey  
*W.A. Hauser (New York, NY - U.S.A.)*
- 15:45 - 16:30 Epidemiology of Multiple Sclerosis: Surveys in Sicily  
*G. Savettieri (Palermo - Italy)*
- 16:30 - 17:00 *Coffee Break*
- 17:00 - 17:45 Methodological Issues in the Epidemiology of Dementia  
*L. Fratiglioni (Stockholm - Sweden)*
- 17:45 - 18:30 Work in Progress: *Paolo Ragonese (Palermo - Italy)*  
*Maura Pugliatti (Sassari - Italy)*

## Monday, November 28, 2011

### Morning Session (9:00 - 12:15): Analytic Studies

9:00 - 9:45 Analytic Studies: Overview  
*W.A. Rocca (Rochester, MN - U.S.A.)*

9:45 - 10:30 Case-control Studies  
*W.A. Rocca (Rochester, MN - U.S.A.)*

10:30 - 11:00 *Coffee Break*

11:00 - 11:45 Cohort Studies  
*W.A. Rocca (Rochester, MN - U.S.A.)*

11:45 - 12:15 General Discussion

12:15 - 15:00 *Lunch Break*

### Afternoon Session (15:00 - 18:30): Risk Factors: Examples

15:00 - 15:45 Risk and Protective Factors for Parkinson's disease  
*A. Elbaz (Paris - France)*

15:45 - 16:30 Risk and Protective Factors for Alzheimer's disease  
*M. Kivipelto (Stockholm - Sweden)*

16:30 - 17:00 *Coffee Break*

17:00 - 17:45 Risk and Protective Factors for Stroke  
*T. Kurth (Paris - France)*

17:45 - 18:30 Work in Progress: *Rodolfo Savica (Rochester, MN - U.S.A.)*  
*Brandon Grossardt (Rochester, MN - U.S.A.)*

## Tuesday, November 29, 2011

Vacation: Visit to Segesta temple and theatre and to Selinunte temples

## Wednesday, November 30, 2011

### Morning Session (9:00 - 12:15): Genetic Epidemiology

- 9:00 - 9:45 Introduction to Genetic Epidemiology  
*R. Ottman (New York, NY - U.S.A.)*
- 9:45 - 10:30 Familial Aggregation Studies  
*R. Ottman (New York, NY - U.S.A.)*
- 10:30 - 11:00 *Coffee Break*
- 11:00 - 11:45 Candidate-gene and Genome-wide Association Studies  
*R. Ottman (New York, NY - U.S.A.)*
- 11:45 - 12:15 General Discussion
- 12:15 - 15:00 *Lunch Break*

### Afternoon Session (15:00 - 18:30): Genetic Epidemiology: Examples

- 15:00 - 15:45 Genetic of Parkinson's disease  
*R. Krueger (Tuebingen - Germany)*
- 15:45 - 16:30 Genetic Epidemiology of Multiple Sclerosis  
*S. Ramagopalan (Oxford – UK)*
- 16:30 - 17:00 *Coffee Break*
- 17:00 - 17:45 Neuroepidemiologic Studies in Developing Countries  
*P.M. Preux (Limoges - France)*
- 17:45 - 18:130 Work in Progress: *Filippo Martinelli Boneschi (Milano – Italy)*  
*Alessandra Nicoletti (Catania – Italy)*

## Thursday, December 1, 2011

### Morning Session (9:00 - 12:15): Application of Statistics to Epidemiology

9:00 - 9:45 Use and Misuse of Statistics in Epidemiology  
*F. Enders (Rochester, MN, U.S.A.)*

9:45 - 10:30 Importance versus Significance  
*F. Enders (Rochester, MN, U.S.A.)*

10:30 - 11:00 *Coffee Break*

11:00 - 11:45 Confounding and Interaction  
*F. Enders (Rochester, MN, U.S.A.)*

11:45 - 12:15 General Discussion

12:15 - 15:00 *Lunch Break*

### Afternoon Session (15:00 - 18:30): Natural History of the diseases

15:00 - 15:45 Natural History of Parkinson's Disease  
*A. Elbaz (Paris - France)*

15:45 - 16:30 Natural History of Amyotrophic Lateral Sclerosis  
*G. Logroscino (Bari - Italy.)*

16:30 - 17:00 *Coffee Break*

17:00 - 17:45 Natural History of Migraine  
*T. Kurth (Paris - France)*

17:45 - 18:45 Work in Progress: *Paolo Aridon (Palermo - Italy)*  
*Marco D'amelio (Palermo - Italy)*

## Friday, December 2, 2011

### Morning Session (9:00 - 12:30): Clinical Trials

- 9:00 - 9:45                      Clinical Trials: Part 1  
*W.A. Rocca (Rochester, MN - U.S.A.)*
- 9:45 - 10:30                    Clinical Trials: Part 2  
*W.A. Rocca (Rochester, MN - U.S.A.)*
- 10:30 - 11:00                 General Discussion
- 11:00 - 11:30                 *Coffee Break*
- 11:30 - 12:15                 Inferences from Epidemiologic Researches  
*G. Logroscino (Bari - Italy)*
- 12:15 - 12:30                 Closure of the Course  
*G. Savettieri (Palermo - Italy)*  
*W.A. Rocca (Rochester, MN - U.S.A.)*