



## PROGRAM

# INTERNATIONAL COURSE OF NEUROEPIDEMIOLOGY, CLINICAL NEUROLOGY AND RESEARCH METHODS IN LOW INCOME COUNTRIES

**Organizers, with the support of the World Federation of Neurology**

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**Teachers**

**Giancarlo Logroscino**

**Farid Boumédiène**

**Benoît Marin**

**Period : 7/2/17 – 11/2/17**

## **Day 1**

**1pm – 5 pm**

### **Population Survey**

- 1.00 - 1.30** Welcome and Introduction of the Course (FB/GL/BM)
- 1.30 - 2.15** Basic Ideas and Terminology (GL)
- 2.15 – 2.30** Launching an epidemiological research project in Cambodia, Basic ideas (GL/BM/FB)
- 2.30 - 3.00** *Coffee Break*
- 3.00 - 4.00** Population Surveys: prevalence, incidence, standardization (BM)
- 4.00 – 4.30** Population Surveys: health registries, application to Amyotrophic Lateral Sclerosis (GL)
- 4.30 – 5.00** Most common Neurological Diseases in Resource-poor Countries: Epidemiological View (GL)

## **Day 2**

**1pm – 5 pm**

### **Epilepsy and ALS - Descriptive studies**

- 1.00 - 2.00** Workshop - descriptive epidemiology of epilepsy: article reading in small groups, (article n°1)
- 2.00 – 3.00** Workshop - descriptive epidemiology of epilepsy : article discussion (animated by FB, BM), (article n°1)
- 3.00 – 3.30** *Coffee Break*
- 3.30 - 4.00** Capture-recapture methodology in epidemiologic surveys (BM), application to Amyotrophic Lateral Sclerosis
- 4.00 - 4.30** Specific methodological issues of Population Survey in Developing Countries (FB)
- 4.30 – 5.00** Population Surveys in Resource-poor Countries: source of data for case ascertainment (GL)

## **Day 3**

**1 pm – 5 pm**

### **Dementia - Analytical studies**

**1.00 - 1.45** - Case-control Studies (BM)

**1.45 - 2.30** - Epidemiology of neurodegenerative diseases: Developed Countries vs Developing Countries (GL)

**2.30 – 3.30** Workshop – analytical epidemiology (case/control) of dementia: article reading in small groups, (article n°2)

**3.30 – 4.00** *Coffee Break*

**4.00 – 5.00** Workshop - analytical epidemiology (case/control): article discussion (animated by GL/BM), (article n°2)

## **Day 4**

**1 pm – 5 pm**

### **Stroke - Analytic Studies**

**1.00 - 1.45** Cohort Studies (GL)

**1.45 – 2.30** Stroke: Epidemiology, risk and protective factors in Developed Countries vs Developing Countries (GL)

**2.30 - 3.30** Workshop - analytical epidemiology (cohort) of Stroke : article reading in small groups, (article n°3)

**3.30 – 4.00** *Coffee Break*

**4.00 – 5.00** Workshop - analytical epidemiology (cohort) of Stroke: article discussion (animated by GL/BM), (article n°3)

## **Day 5**

**1 pm – 5 pm**

### **From descriptive to experimental studies**

**1.00 - 1.30** Intervention vs observation (GL)

**1.30 - 2.00** Methodology of clinical trials (BM)

**2.00 - 2.30** Public health interventions (GL)

**2.30 - 2.45** *Coffee Break*

**2.45 – 3.45** Intervention against treatment gap of epilepsy, experience in Laos and Cambodia (FB)

**3.45 – 5.00** Launching an epidemiological research project in Cambodia, answers