

**SUMMER SCHOOL**  
**« RESEARCH METHODS IN PSYCHIATRY »**  
**Montpellier, Monday 26 to Friday 29 June, 2017**

**PRELIMINARY PROGRAM**

**Academic Staff**

*IoPPN (Dept of Health Services Research, King's College London) / Inserm Unit 1061*

Pr Robert STEWART

***INSERM U 1061***

Dr Marie-Laure ANCELIN  
Dr Sylvaine ARTERO  
Dr Alain BESSET

Dr Isabelle CARRIERE  
Pr Philippe COURTET  
Pr Sébastien GUILLAUME

Dr Isabelle JAUSSENT  
Dr Joanna NORTON  
Pr Karen RITCHIE

**Monday 26 June: BASIC RESEARCH METHODS**

09.30-10.30	Scientific methods : Theoretical background ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )
10.30-11.00	Break
11.00-12.00	Health Measurement ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )
12.00-13.00	Lunch
13.00-14.30	Health Measurement ( <i>Classroom Practical</i> ) ( <i>Isabelle Carrière, Isabelle Jaussett, Joanna Norton, Alain Besset</i> )
14.30-15.00	Break
15.00-17.00	Principles of study design, bias and confounding ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )

**Tuesday 27 June: ANALYTICAL RESEARCH**

09.30-10.30	Principles of study design, bias and confounding ( <i>cont.</i> ) ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )
10.30-11.00	Break
11.00-12.00	Cross-sectional surveys ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )
12.00-13.00	Lunch
13.00-14.30	Cross-sectional surveys ( <i>Practical</i> ) ( <i>Karen Ritchie</i> )
14.30-15.00	Break
15.00-16.00	Cohort studies ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )
16.00-16.30	Break
16.30-18.00	Cohort studies ( <i>Practical</i> ) ( <i>Marie-Laure Ancelin</i> )

***For practical exercises, students will need to have pocket calculators.***

### **Wednesday 28 June: ANALYTICAL RESEARCH : BIOSTATISTICS I**

09.30-10.30	Case-control studies ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )
10.30-11.00	Break
11.00-12.30	Case-Control studies ( <i>Practical</i> ) ( <i>Karen Ritchie</i> )
12.30-13.30	Lunch
13.30-15.00	Randomized trials ( <i>Lecture</i> ) ( <i>Robert Stewart</i> )
15.00-15.15	Break
15.15-16.15	Applied univariate statistics ( <i>Lecture</i> ) ( <i>Isabelle Carrière</i> ) (Descriptive statistics, proportions, confidence intervals, interval testing, power calculations)
16.15-16.30	Break
16.30-18.00	Applied univariate statistics (Introduction to SPSS, descriptive statistics, univariate analysis) ( <i>Sylvaine Artero</i> )

### **Thursday 29 June: BIOSTATISTICS II**

09.00-10.30	Univariate analysis of quantitative data ( <i>Lecture</i> ) ( <i>Isabelle Jausseant, Joanna Norton</i> )
10.30-11.00	Break
11.00-13.00	Univariate analysis of quantitative data ( <i>Computer Practical</i> ) ( <i>Isabelle Jausseant, Joanna Norton</i> )
13.00-13.30	Lunch
13.30-14.30	Measurement of association between risk factors and disease ( <i>Lecture</i> ) ( <i>Isabelle Jausseant, Joanna Norton</i> )
14.30-15.30	Measurement of association ( <i>Computer Practical</i> ) ( <i>Isabelle Jausseant, Joanna Norton</i> )
15.30-15.45	Break
15.45-16.30	( <i>Lecture</i> ) ( <i>to be specified later</i> )
16.30-17.15	( <i>Lecture</i> ) ( <i>loPPN</i> ) ( <i>to be specified later</i> )

### **Friday 30 June: EXPERIMENTAL RESEARCH AND SPECIFIC METHODS IN EVALUATIVE RESEARCH**

09.00-10.00	Research synthesis and meta-analysis ( <i>Lecture</i> ) ( <i>Sylvaine Artero</i> )
10.00-11.30	Multi-variate analysis: logistic model ( <i>Demonstration</i> ) ( <i>Sylvaine Artero</i> )
11.30-11.45	Break
11.45-13.15	Guidelines to achieve and publish a multivariate-analysis: analysis of results from articles ( <i>Isabelle Carrière</i> )

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