

International Agency for Research on Cancer

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World Health  
Organization

# **IARC SUMMER SCHOOL ON CANCER EPIDEMIOLOGY**

International Agency for Research on Cancer  
Lyon, France

**20 June – 8 July 2011**

## **P R O G R A M M E**

***Cancer Registration: Principles and Methods  
20 to 24 June 2011***

# **S E C R E T A R I A T**

## **Director, IARC Summer School**

Dr Eduardo Seleiro

## **Scientific Directors**

Dr Freddie Bray  
Dr David Forman  
Mrs April Fritz

## **Course Assistant**

Mrs Sue Anthony

## **Course Secretary**

Mrs Loubna Boulegroun

*With the support of:*

Fondation Léa et Napoléon Bullukian, France  
National Cancer Institute, USA (NCI)  
Nordic Cancer Union

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**CANCER REGISTRATION:  
Principles and Methods**

**20-24 June 2011**

## **Monday 20 June 2011**

<b>08h30</b>	Registration	
<b>09h00</b>	<b>Official Opening</b>	<b>Christopher Wild</b>
	Introduction of teaching staff and participants	<b>David Forman</b>
	Introduction to course	
<b>09h25</b>	Course evaluation process	<b>Joannie Tieulent</b>
<b>09h30</b>	The role of cancer registries in epidemiology and cancer control	<b>David Forman</b>
<b>10h15</b>	Principles (1) Basic information required and variable definitions	<b>Eva Steliarova Foucher</b>
<b>11h00</b>	<b>COFFEE BREAK</b>	
<b>11h30</b>	International Classification of Disease (ICD-O)	<b>April Fritz</b>
<b>12h15</b>	ICD-O coding exercise	<b>April Fritz</b>
<b>13h00</b>	<b>LUNCH</b>	
<b>14h00</b>	Introduction to cancer staging	<b>April Fritz</b>
<b>15h15</b>	<b>TEA BREAK</b>	
<b>15h45</b>	Staging exercise	<b>April Fritz</b>
<b>17h15</b>	Concepts in descriptive epidemiology	<b>Freddie Bray</b>
<b>18h00</b>	<b>WELCOME RECEPTION</b>	

## **Tuesday 21 June 2011**

<b>09h00</b>	CanReg5 (1) Introduction	<b>Morten Ervik Eric Masuyer, Dominique Sighoko, Joannie Tieulent</b>
<b>11h00</b>	<b>COFFEE BREAK</b>	
<b>11h30</b>	Cancer Incidence in Five Continents, GLOBOCAN and IARC online databases - demonstration	<b>Jacques Ferlay Joannie Tieulent</b>
<b>13h00</b>	<b>LUNCH</b>	
<b>14h00</b>	Abstracting, coding, staging, basis of diagnosis (1) Breast and lung cancers	<b>April Fritz</b>
<b>15h15</b>	<b>TEA BREAK</b>	
<b>15h45</b>	Methods (1) Rates and Standardisation	<b>Freddie Bray</b>
<b>16h45</b>	Practical: Rates	<b>Freddie Bray Joannie Tieulent</b>

### **Wednesday 22 June 2011**

<b>09h00</b>	CanReg5 (2) Data Entry	<b>Morten Ervik Dominque Sighoko Joannie Tieulent Eric Masuyer</b>
<b>11h00</b>	<b>COFFEE</b>	
<b>11h30</b>	Principles (2) Case-finding procedures and notifications	<b>Eva Steliarova Foucher</b>
<b>12h15</b>	Principles (3) Data quality and its evaluation	<b>David Forman</b>
<b>13h00</b>	<b>LUNCH</b>	
<b>14h00</b>	Abstracting, coding, staging, basis of diagnosis (2) Cervix, prostate, bladder cancers	<b>April Fritz</b>
<b>15h15</b>	<b>TEA BREAK</b>	
<b>15h45</b>	Cancer registration in developing countries	<b>Cristina Stefan</b>
<b>16h30</b>	Methods (2) Time trends and predictions	<b>Freddie Bray</b>
<b>17h15</b>	Group Work - Introduction	<b>Freddie Bray David Forman, Jacques Ferlay, Joannie Tieulent</b>

### **Thursday 23 June 2011**

<b>09h00</b>	Abstracting, coding, staging, basis of diagnosis (3) Oesophagus, stomach, colorectal cancers	<b>April Fritz</b>
<b>10h15</b>	Multiple primaries	<b>David Forman</b>
<b>11h00</b>	<b>COFFEE</b>	
<b>11h30</b>	Confidentiality, ethical and legal issues	<b>Eva Steliarova-Foucher</b>
<b>12h00</b>	Abstracting, coding, staging, basis of diagnosis (4) Head and neck cancers	<b>April Fritz</b>
<b>13h00</b>	<b>LUNCH</b>	
<b>14h00</b>	CanReg5 (3) Analysis	<b>Morten Ervik Dominque Sighoko Joannie Tieulent Eric Masuyer</b>
<b>15h15</b>	<b>TEA BREAK</b>	
<b>15h45</b>	Group Work (continued)	<b>Freddie Bray David Forman, Jacques Ferlay, Joannie Tieulent</b>
<b>Evening</b>	<b>SOCIAL EVENT (weather permitting)</b>	

## **Friday 24 June 2011**

<b>09h00</b>	International Association of Cancer Registries	<b>David Forman</b>
<b>09h30</b>	Methods (3) Using registry data in cancer survival analyses	<b>Manuela Quaresma</b>
<b>11h00</b>	<b>COFFEE BREAK</b>	
<b>11h30</b>	CanReg5 (4) Management	<b>Morten Ervik Dominique Sighoko Joannie Tieulent Eric Masuyer</b>
<b>13h00</b>	<b>LUNCH</b>	
<b>14h00</b>	Writing an annual report, press statement, poster	<b>John Daniel</b>
<b>15h15</b>	<b>TEA BREAK</b>	
<b>15h45</b>	Presentation of group work	<b>Freddie Bray</b>
<b>16h30</b>	Course evaluation	<b>Joannie Tieulent</b>
<b>17h00</b>	<b>Closure</b>	<b>David Forman</b>



# **IARC SUMMER SCHOOL ON CANCER EPIDEMIOLOGY**

International Agency for Research on Cancer  
Lyon, France

**20 June – 8 July 2011**

## **P R O G R A M M E**

***Introduction to Cancer Epidemiology***

***27 June to 8 July 2011***

# **S E C R E T A R I A T**

## **Summer School Director**

Dr Eduardo Seleiro

## **Scientific Director**

Dr Kurt Straif

## **Course Assistant**

Mrs Sue Anthony

## **Course Secretary**

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*With the support of:*

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National Cancer Institute, USA (NCI)  
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*Jelle Vlaanderen*

**INTRODUCTION TO  
CANCER EPIDEMIOLOGY**

**27 June to 8 July 2011**

## **Monday 27 June 2011**

<b>08h30</b>	Registration	
<b>09h00</b>	<b>Official Opening</b>	
	Introduction of teaching staff and participants	<b>Christopher Wild/ Kurt Straif</b>
<b>09h30</b>	Measures of occurrence	<b>Pietro Ferrari</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Descriptive cancer epidemiology	<b>David Forman</b>
<b>11h30</b>	Introduction to biology of cancer	<b>Pierre Hainaut</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Overview of study design	<b>Isabelle Romieu</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Introduction to STATA - 1	<b>Richard Muwonge</b>
<b>17h00</b>	Introduction to PubMed	<b>Sharon Grant</b>
<b>18h00</b>	<b>Welcome Reception</b>	

## **Tuesday 28 June 2011**

<b>09h00</b>	Intervention studies	<b>R. Sankaranarayanan</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Introduction to biostatistics – 1	<b>Graham Byrnes</b>
<b>11h30</b>	Measures of association	<b>Pietro Ferrari</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Biostatistics practical - 1	<b>Graham Byrnes</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Intervention studies (paper)	<b>R. Sankaranarayanan</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

### **Wednesday 29 June 2011**

<b>09h00</b>	Cohort design	<b>Kurt Straif</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Cohort basic analysis	<b>Kurt Straif</b>
<b>11h30</b>	Exposure assessment - 1	<b>Ann Olsson</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Standardisation (practical)	<b>Salvatore Vaccarella</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Cohort studies (paper)	<b>Kurt Straif</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

### **Thursday 30 June 2011**

<b>09h00</b>	Introduction to biostatistics - 2	<b>Graham Byrnes</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Cross-sectional studies	<b>Valerie McCormack</b>
<b>11h30</b>	Introduction to biostatistics - 3	<b>Graham Byrnes</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Measures of occurrence and association (practical)	<b>Pietro Ferrari</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Introduction to STATA - 2	<b>Richard Muwonge</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

## **Friday 1 July 2011**

<b>09h00</b>	Case-control studies - design	<b>Joachim Schüz</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Case-control studies – basic analysis	<b>Joachim Schüz</b>
<b>11h30</b>	Conducting an epidemiological study (Part 1): Writing a protocol	<b>Ghislaine Scelo</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Cohort studies (practical)	<b>Kurt Straif</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Case-control studies (paper)	<b>Joachim Schüz</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

## **Monday 4 July 2011**

<b>09h00</b>	Principles of screening	<b>Catherine Sauvaget</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Survival analysis	<b>Camille Maringe</b>
<b>12h00</b>	Omics in Epidemiology	<b>Martyn Smith</b>
<b>13h00</b>	<b>LUNCH</b>	
<b>14h00</b>	Biostatistics practical - 2	<b>Graham Byrnes</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Screening (paper)	<b>Catherine Sauvaget</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

## **Tuesday 5 July 2011**

<b>09h00</b>	Exposure Assessment - 2	<b>Nadia Slimani</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Infection and cancer	<b>Silvia Franceschi</b>
<b>11h30</b>	Introduction to biostatistics – 4	<b>Graham Byrnes</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Conducting an epidemiological study (Part 2): Organizing field work	<b>Ghislaine Scelo</b>
<b>14h45</b>	Meta and pooled analyses	<b>Martyn Plummer</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Introduction to bias	<b>Mazda Jenab</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

### **Wednesday 6 July 2011**

<b>09h00</b>	Confounding	<b>Mazda Jenab</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Grant application for an epidemiological study	<b>Olaf Kelm</b>
<b>11h30</b>	Effect modification	<b>Salvatore Vaccarella</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Case-control studies (practical)	<b>Valerie McCormack</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Occupational and environmental cancer	<b>Kurt Straif</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

### **Thursday 7 July 2011**

<b>09h00</b>	Radiation and cancer	<b>Ausrele Kesminiene</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Genetic Epidemiology	<b>James McKay</b>
<b>11h30</b>	Attributable risk	<b>Gary Clifford</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Effective writing	<b>John Daniel</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Diet and cancer	<b>Mazda Jenab</b>
<b>17h00</b>	Subgroup work	<b>Valerie McCormack</b>
<b>18h00</b>	Close	

## **Friday 8 July 2011**

<b>09h00</b>	Causal inference	<b>Kurt Straif</b>
<b>10h00</b>	<b>COFFEE BREAK</b>	
<b>10h30</b>	Biomarkers and cancer	<b>Augustin Scalbert</b>
<b>11h30</b>	Presentation of projects - 1	<b>Kurt Straif/ Valerie McCormack</b>
<b>12h30</b>	<b>LUNCH</b>	
<b>14h00</b>	Presentation of projects - 2	<b>Kurt Straif/ Valerie McCormack</b>
<b>15h30</b>	<b>TEA BREAK</b>	
<b>16h00</b>	Exposome	<b>Christopher Wild</b>
<b>17h00</b>	Course evaluation	<b>Kurt Straif</b>
<b>18h00</b>	<b>Closure</b>	<b>Christopher Wild</b>