EULAR COURSE PROGRAMME

2nd EULAR HEALTH ECONOMICS IN RHEUMATOLOGY COURSE

5 - 6 April 2018
Prague, Czech Republic
Organisation and committee

Scientific organizers
Pr Francis Guillemin & Pr Bruno Fautrel

Faculty
The faculty staff is prepared to dedicate the course time to interactive teaching and to coaching small group activities. Members are:

- Pr Annelies BOONEN, Maastricht University, Netherlands
- Maarten de WIT, Vrije Universiteit Amsterdam, Netherlands
- Pr Bruno FAUTREL, Sorbonne Universités, France
- Pr Francis GUILLEMIN, Université de Lorraine, France
- Pr Manuela JOORE, Maastricht University, Netherlands

Organising secretariat
MCI, Geneva / School of public health, Nancy

General information

Course venue
Prague, Czech Republic

Official language: English

Deadline for application: 31st January 2018

Participants
- Maximum number of participants in total : 30

This educational activity is targeted to young rheumatologists/trainees/scientists with a confirmed interest in health economics.

The course is presented as a selective course, with competitive admission. Potential attendees will send an application form, including a CV and a personal motivation letter, and the selection will be performed by the selection committee on the basis of the application form and of geographic representation (to aim for diversity).

Selection criteria for attendees are:

- young scientists working in the field of rheumatology or musculoskeletal diseases;
- new or with little experience to the field of health economics;
- motivation letter;
- planning involvement in a health economic project

Registration fee: 250 € per person

The fee covers: course registration, coffee breaks, 2 lunches, 1 dinner and 1 night in a 4-star hotel with breakfast.

Participants will have to pay, on top of this fee, their own flight/transportation.

Support from EULAR: this application is for 20 EULAR bursaries of 250 €.
Contacts

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SCIENTIFIC ORGANISER
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54500 Vandœuvre-les-nancy
France
Email: bruno.toussaint@univ-lorraine.fr

Educational objectives

- To understand the principles of the economic analysis in health service research area, with application to musculoskeletal disorders, and to understand drug pricing

To achieve this goal, participants will reach the following specific objectives:

- To describe the economic burden of a disease (cost of illness), and understand all the costs components and their determinants
- To identify the costs and resources involved in a medical intervention
- To assess the cost-effectiveness and cost-utility of a medical intervention using model- or trial-based data
### Programme

#### Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>10:45</td>
<td>Welcome to participants and introduction</td>
<td>F Guillemin</td>
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<tr>
<td>11:00</td>
<td>Health economics / Health technology assessment</td>
<td>M Joore</td>
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<tr>
<td></td>
<td>- Resource allocation and Opportunity costs</td>
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<td></td>
<td>- Effectiveness of health intervention</td>
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<td></td>
<td>- Types of economic evaluation: Cost of Illness, Cost Effectiveness</td>
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<td></td>
<td>- Perspective of economic evaluation</td>
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<tr>
<td>11:45</td>
<td>Costs and Costing</td>
<td>B Fautrel</td>
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<td></td>
<td>- Cost typology: direct, indirect and intangible costs</td>
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<td>- Concepts behind productivity loss (absenteeism vs. presenteeism)</td>
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<tr>
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<td>- Concepts behind productivity costs (friction vs. human capital)</td>
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<td>- Data sources: unit costs, administrative databases</td>
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<td>- Examples in major rheumatology domains: inflammatory joint diseases,</td>
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<td></td>
<td>osteoarthritis, osteoporosis, back problems, gout</td>
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<td>12:30</td>
<td>Lunch time</td>
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<td>13:30</td>
<td>Introduction to critical appraisal</td>
<td>F Guillemin</td>
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<td>- CHEERS checklist (part related to cost elicitation)</td>
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<tr>
<td>14:00</td>
<td>Workshop session 1: Critical appraisal of cost-of-illness papers</td>
<td>All faculty in small groups</td>
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<td>- 1 paper per group: different health domains, different sources</td>
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<td></td>
<td>- cohorts / administrative databases; convenience-based /</td>
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<td></td>
<td>- population-based</td>
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<td>15:30</td>
<td>Plenary session restitution</td>
<td>All faculty</td>
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<td>16:00</td>
<td>Coffee break</td>
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<td>16:20</td>
<td>Health outcomes</td>
<td>M Joore</td>
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<td>- Natural units / Quality of life / Wellbeing (ICECAP)</td>
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<td>17:00</td>
<td>Utility and QALY</td>
<td>AL Boonen</td>
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<td>- Direct (SG vs. TTO) or indirect (self-questionnaires) elicitation</td>
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Day 2

8:00 – 9:30  Workshop session 2: Utility and QALY  AL Boonen
             - Difference QALY and QoL  B Fautrel
             - Calculation (by the student with several different health status)
             - Instruments: EQ5D vs. SF6D
             + All faculty in small groups

9:30 – 10:00 Plenary discussion  AL Boonen  B Fautrel

10:00 - 10:20 Coffee Break

10:20 – 11:40 Comparative economic assessment  F Guillemin
             - Framing, Time horizon
             - Trial-based vs. model-based

11:40 – 12:30 Workshop session 3: Cost effectiveness analysis  All faculty in small groups
             - ICER / DCER
             - Ratio calculation
             - Different papers with either ICER/WTP or DCER/WTA in different diseases (can be therapeutic innovation or diagnostic tests)

12:30 - 13:00 Restitution in plenary session  All faculty

13:00 – 14:00 Lunch time

14:00 – 15:00 Decision uncertainty and sensitivity analysis  M Joore
             - Element of the decision vs. “truth”
             - Methods for sensitivity analysis
             - Acceptability curve

15:00 - 15:45 Implementation of economic evaluation in practice  M Joore
             - International perspective: NL, UK, F, D, others
             - Combination of ICER with disease prevalence
             - Resource allocation with a given constraint budget
             - Budget impact

15:45 – 16:30 Workshop session 4: Decision making for value based healthcare  M Joore
             - Artificial case – vignette
             + All faculty

16:30 – 16:45 Synthesis about decision  M Joore  AL Boonen

16:45 – 17:00 Wrap-up and Conclusions  B Fautrel  + All faculty