

# European Society for Patient Adherence, COMpliance, and Persistence ESPACOMP 2015

## PROGRAM

### THURSDAY NOVEMBER 12 (Pre-conference educational day)

#### Parallel Workshops

#### Workshop 1 , advanced level course: Implementing and sustaining of adherence interventions in real world settings – A practical guide.

##### 1. Workshop faculty:

- **Prof. Leah Zullig**, PhD, MPH, Duke University and Durham Veterans Affairs Centre for Health Services Research in Primary Care, USA

##### Workshop collaborators:

- **Prof. Dr. Marijn de Bruin**, PhD, health psychologist (University of Aberdeen, UK)
- **Dr. Bart van den Bemt**, PhD, RPh (UMC St Radboud, Netherlands)
- **Dr. Liset Van Dijk**, PhD, sociologist (NIVEL, Netherlands)
- **Dr. Marie Schneider**, PhD, RPh, (University of Lausanne & Geneva, Switzerland)
- **Prof. Dr. Sabina De Geest**, PhD, RN (University of Basel, Switzerland & KU Leuven, Belgium)

##### 2. Introduction:

The goal of this advanced level workshop is to build on last year's pre-conference workshop 1 which addressed aspects of medication adherence interventions from intervention development to implementation and sustainability. This year we will focus and go in more depth in view of (1) implementing an adherence intervention and (2) sustaining an implemented adherence intervention in really life settings.

This workshop is intended for health services researchers, clinicians, educators, and policy makers who have already some experience in the design, implementation, testing and/or dissemination of adherence interventions. Participants should be prepared with knowledge of evidence-based behavioural and organizational theories relevant to intervention implementation.

Balancing theoretical discussion and practical, hands-on learning – the workshop will be comprised of interactive presentations, group work, and discussion. Case studies (partly submitted by participants – see below) will provide concrete examples and will guide and stimulate application of learned content.

##### 3. Learning objectives:

- Recognize and be able to explain key characteristics relevant for implementing an adherence intervention and sustaining an implemented adherence intervention in real life settings.
- Apply the proposed frameworks and strategies for implementation and sustainability for adherence interventions to case studies
- Reflect and discuss transferability of the learned material to your own setting/context.

#### **4. Learning objectives:**

Interactive presentations; case study analysis; critical reflection; discussion; small group work.

#### **5. Bibliography:**

Participants must be well prepared in order to get the maximum benefit from the workshop. A limited list of papers as well as the case studies that will be used (mandatory reading) will be sent to participants approximately one month prior to the meeting.

#### **6. Case Studies**

Participants are invited to submit a case study (September 1st latest) on a 1 page A4 (see guidelines for case study submission below). Of the submitted case studies 2 will be selected for the workshop by September 15. The preparation of the case studies will be done in collaboration with the workshop leaders starting in second half of September. Submission of a case study provides an excellent opportunity to get feedback on your own intervention and on your implementation/sustainability plan.

**Maximum number of participants:** 50

**Requirements for participation:** Experience in the design of formal implementation & dissemination strategies, and/or testing of adherence interventions. Knowledge in behavioural theory and interventions.

**All participants need to print out the materials themselves. Hard copies will not be provided at the workshop!**

## 7. PROGRAMME WORKSHOP 1

We will start with a short review of last year's pre conference workshop that focused on development, implementation and evaluation of large system, scalable adherence interventions.

The 2 main interrelated topics of the workshop, (1) implementing an adherence intervention & (2) sustaining an implemented adherence intervention in real life settings will each be addressed by a presentation (~30 minutes), small group work including case study analysis (~60 minutes), and a full group discussion (~60 minutes).

For small group work, participants will be divided in 6 groups of approximately 8 or 9 persons each. A faculty member will be a part of each group and will facilitate group discussion.

**08:30-09:00**      **Registration and welcome**

**09:00-17:00**

09.00-09.15	<b>Welcome and Review of Workshop Program</b> General overview and welcome. Participants will introduce themselves within their small groups.	Sabina De Geest
09.15-09.30	<b>Quick refreshment review of last year workshop content</b> Goal: Position medication adherence interventions across a continuum, ranging from intervention development to implementation and sustainability.	Leah Zullig & Marijn de Bruin
09:30-10:00	<b>Module A: Developing a Framework for Implementation</b> Goal: Develop and apply implementation frameworks across multiple organizational levels to support intervention implementation (e.g., patient, provider, and healthcare organization/system)	Leah Zullig & Marijn de Bruin
10.00-10.30	Break	
10:30-11:30	<b>Case Studies /Group work</b> Goal: application of the proposed frameworks and strategies for implementation and sustainability for adherence interventions using the case studies (see above). Reflection and discussion of transferability of the learned material to the participants' own setting/context will also be favoured.	Liset van Dijk & Bart van den Bemt
11:30-12.30	<b>Feedback group work &amp; discussion</b>	Liset van Dijk & Bart van den Bemt
12:30-13:30	Lunch	
13:30-14:00	<b>Module B: Sustaining an Intervention</b> Goal: Identify key internal intervention elements and external organizational/contextual factors that impact sustainability; Design strategies to anticipate and address potential barriers	Leah Zullig & Marijn de Bruin
14.00-15.00	<b>Case Studies /Group work</b> Goal: application of the proposed frameworks and strategies for implementation and sustainability for adherence interventions using the case studies (see above). Reflection and discussion of transferability of the learned material to the participants' own setting/context will also be favoured.	Marie Schneider & Sabina De Geest
15:00-15:30	<b>Break</b>	

15:30-16:30

**Feedback group work & discussion**

16:30-17:00

**Discussion and Evaluation of Workshop & Conclusion**

Sabina De Geest

Goal: Review of current workshop and discuss improvements for future workshops

- What was appreciated? What was less valuable?
- Which new content could be integrated in a similar 2017 ESPACOMP conference?
- What should be the emphasis / priorities for research from your perspective?

## **Workshop 2 : Economic evaluation methods and applications to medication adherence**

### **1. Workshop faculty:**

- **Prof. Dyfrig Hughes**, PhD, FBPhS, FFRPS, Professor of Pharmacoeconomics (Bangor University, UK),
- **Dr. Catrin Plumpton**, PhD, Research Fellow in Pharmacoeconomics (Bangor University, UK),
- **Dr. Mickaël Hiligsmann**, PhD, PhD, Assistant Professor of Health Economics and Health Technology Assessment (Maastricht University, The Netherlands)

### **2. Introduction:**

The goal of this intermediate level workshop is to introduce the methods of health technology assessment and economic evaluation in the context of medication adherence. This workshop is intended for health services researchers, clinicians, academics, clinical trialists and policy makers engaged in adherence research and policy. No prior knowledge of health economics is necessary, but participants should prepare by reading the background text prior to the workshop. Research or applied experience in medication adherence is preferred. Balancing theoretical discussion and practical, hands-on learning, the workshop will be comprised of interactive presentations, group work, and discussion. The following broad topics will be covered: health technology assessment, methods of economic evaluation, trial-based economic analysis, health economic modelling, critical appraisal skills. Case studies will provide concrete examples for each topic including how to design, conduct and report an economic evaluation in the context of medication adherence.

### **3. Learning objectives:**

Upon completion of the workshop, participants will be able to:

Explain the basics of Health Technology Assessment, and the methods of economic evaluation

- Design a decision analytic model for the assessment of the cost-effectiveness of an adherence intervention
- Define the requirements needed for a trial-based economic evaluation
- Interpret published economic evaluations and appraise their methodological quality

### **4. Learning methods:**

presentations; case study analysis; critical reflection; discussion; small group work

### **5. Bibliography:**

Participants must be well prepared in order to get the maximum benefit from the workshop. A list of papers (required background literature for those not familiar with the topic, and further reading) will be sent to participants approximately one month prior to the meeting. Participants must read key papers prior to the workshop and be prepared to discuss them.

**Maximum number of participants:** 40

**Requirements for participation:** prior reading of background material, laptop installed with Microsoft Excel

**All participants need to print out the materials themselves.  
Hard copies will not be provided at the workshop!**

## 6. PROGRAMME WORKSHOP 2

Each of the modules will generally last approximately 60 minutes and will be comprised of a presentation (~10 minutes), small group work including case study analysis (~40 minutes), and a full group discussion (~10 minutes). For small group work, participants will be split into 3 groups. A faculty member will be a part of each group and will facilitate group discussion.

<b>09:00-09:30</b>	<b>Registration and welcome</b>	
<b>09:30-17:00</b>		
09.30-09.45	<b>Welcome and Review of Workshop Programme</b> General overview and welcome. Participants will introduce themselves within their groups.	Dyfrig Hughes
09.45-10.30	<b>Introduction to Health Technology Assessment and Economic Evaluation</b> Goal: Provide an overview of the policy context and methods of health economic evaluation	Dyfrig Hughes
10:30-11:30	<b>Module 1: Clinical and economic impact of non-adherence</b> Goal: To appreciate the cost and clinical implications of non-adherence, and identify appropriate methods of analysis	Mickaël Hiligsmann
11.30-11.45	Break	
11:45-12:45	<b>Module 2: Calculating an incremental cost-effectiveness ratio</b> Goal: To calculate an incremental cost-effectiveness ratio using a hypothetical case study involving a decision analytic model	Catrin Plumpton Mickaël Hiligsmann
12:45-13.30	Working lunch	
13:30-14:30	<b>Module 3: Developing an economic model to estimate the cost-effectiveness of an adherence intervention</b> Goal: To define the decision problem, build on the decision analysis and construct an economic model of an adherence intervention	Catrin Plumpton
14.30-14.45	Break	
14:45-15:45	<b>Module 4: Developing trial-based economic evaluations of adherence interventions</b> Goal: To understand how to design, analyse and report a trial-based economic evaluation of an adherence intervention	Dyfrig Hughes
15.45-16.45	<b>Module 5: Critical appraisal of economic evaluations</b>	Mickaël

Goal: To develop critical appraisal skills in order to evaluate the published economic evidence for rigour

Hiligsmann

16:45-17:00

**Discussion and Evaluation of Workshop & Conclusion**

Dyfrig Hughes

Goal: Review of current workshop and discuss improvements for future workshops

Catrin Plumpton

Mickaël Hiligsmann

- What was appreciated? What was less valuable?
- Which new content could be integrated in a similar 2016 ESPACOMP conference?
- What should be the emphasis / priorities for research from your perspective?

## FRIDAY NOVEMBER 13 (Scientific meeting)

**17:30-18:00** **Welcome & registration**

**18:00-18:30** **Literature review**

Breakthrough/paradigm shift papers in adherence research  
(Lead: Marijn de Bruin and Bernard Vrijens)

**18:30** **Welcome Drink Party**

## FRIDAY NOVEMBER 13 (Scientific meeting)

**8:00-8:45** **Registration**

**8:45-09:00** **Welcome**

Jiri Vlcek (Faculty of pharmacy and teaching hospital in Hradec Kralove)

**09:00-10:00** **Jean-Michel Métry Memorial Lecture** (Chair: Jiri Vlcek)

**Why is it so difficult to effectively intervene to improve medication adherence? Reflections on our successes and failures, and how we can do better moving forward**

Ira Wilson (Brown University School of Public Health Providence, USA)

**10:00-10:30** **Coffee break**

**10:30-11:00** **Plenary keynote speaker** (Chairs: Judit Simon & Rob Heerdink)

**Economics of medication adherence**

Dyfrig Hughes (Bangor University, United Kingdom)

**11:00-12:30** **Parallel contributed sessions**

**A1: Economic and ethical aspects of adherence interventions** (Chairs: Tatiana Belkina & John Urquhart)

**11:00-11:15** **Effectiveness and cost-effectiveness of the Adherence Improving self-Management Strategy (AIMS) in HIV-care**

Marijn de Bruin (University of Aberdeen; University of Amsterdam)

**11:15-11:30** **Exploring the costs and outcomes of an interdisciplinary HIV-adherence program in Switzerland**

Clémence Perraudin (Universities of Geneva & Lausanne, Switzerland)

**11:30-11:45** **Acceptability of twice daily inhaler reminders in asthma patients**

Juliet Foster (Woolcock Institute of Medical Research, University of Sydney, Australia)

**11:45-12:00** **Acceptance of technology to monitor adherence to medication: a nation-wide survey**

Liset van Dijk (NIVEL, Netherlands)

**12:00-12:15 Determinants of initiation, implementation, and completion of amoxicillin for adults with an acute cough in primary care: pooled analysis of three international datasets**

David Gillespie (South East Wales Trials Unit, Cardiff University, UK)

**12:15-12:30 Questions and discussions for all presenters**

**A2: Large epidemiological studies**

(Chairs: Harm Geers & Eric van Ganse)

**11:00-11:15 Medication adherence in inflammatory bowel disease in the global ALIGN study: Impact of concerns and perceived necessity of immunosuppressants, 5-aminosalicylates, and tumor necrosis factor inhibitors**

John Weinman (Institute of Pharmaceutical Sciences & Institute of Psychiatry, King's College, London, United Kingdom)

**11:15-11:30 Effect of Community Pharmacist Intervention on Adherence to Long-Term Medications (ECO-PHIL)**

Janice Pringle (Program Evaluation and Research Unit, Department of Pharmacy and Therapeutics, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA)

**11:30-11:45 Improving medication adherence and clinical outcomes in patients with hypertension**

Ulla Hedegaard (Clinical Pharmacology and Pharmacy, Department of Public Health, University of Southern Denmark)

**11:45-12:00 Different operationalisations yield different adherence rates with dispensing data**

Marcel Kooy (Utrecht University, Utrecht Institute for Pharmaceutical Sciences, Division of Pharmacoepidemiology & Clinical Pharmacology, Netherlands)

**12:00-12:15 Measurement of inhaled corticosteroid adherence using electronic healthcare data: impact of methods on MPRs**

Patrick C Souverein (Division of Pharmacoepidemiology & Clinical Pharmacology, Utrecht Institute for Pharmaceutical Sciences, Utrecht University, Utrecht, Netherlands)

**12:15-12:30 Questions and discussions for all presenters**

**12:30-14:15 Lunch & poster session**

Moderator: Monique Elseviers

**14:15-15:45 Plenary Invited speakers**

(Chairs: Sabina de Geest & Liset van Dijk)

- **Adherence to medications in drug development and in clinical trials**  
Bernard Vrijens (WestRock Healthcare, Belgium)
- **Will they take the medicines? Adherence in Resource-Limited Settings and High-Risk Populations**  
Rachel Vreeman (Indiana University School of Medicine, USA)
- **Adherence from the Patient Perspective**

Jana Pelouchova (Patient support organisation Diagnoza CML, the Czech Republic)

**15:45-16:15 Coffee break**

**16:15-17:45 Round table discussion medications adherence policy making: challenges, players, enablers and possible implications/resolutions**

Moderator:

Eyal Schwartzberg, Head of the Israeli Pharmaceutical Division, Israeli Ministry of Health, School of Pharmacy Ben Gurion University

**17:45-18:00 Synergies between ESPACOMP and European Innovation Partnership on Active and Healthy Ageing Action Group A1 'Prescription and adherence to treatment'**

Przemyslaw Kardas (Head, the First Department of Family Medicine Medical University of Lodz, Poland)

## SATURDAY NOVEMBER 14 (Scientific meeting)

### 08:45-10:15 Parallel contributed sessions

#### **A3: Electronic compilation of drug dosing history data**

(Chairs: Katerina Ladova & Juliet Foster)

**08:45-09:00 The effect of electronic monitoring feedback on improving medication adherence and clinical outcomes: a systematic review and meta-analysis**

Milou van Heuckelum (Departments of Research and Pharmacy, Sint Maartenskliniek, Nijmegen, Netherlands)

**09:00-09:15 A method to objectively quantify adherence to inhaler therapy**

Richard Costello (Department of Respiratory Medicine, RCSI, Dublin, Ireland)

**09:15-09:30 Compliance with calcium plus vitamin D supplementation over time**

Tereza Touskova (Department of Social and Clinical Pharmacy, Faculty of Pharmacy in Hradec Kralove, Charles University in Prague, Czech Republic)

**09:30-09:45 Variability in Medication Adherence Influences Self-Report**

Jacqueline Dunbar-Jacob (University of Pittsburgh, USA)

**09:45-10:00 Associations between personality traits and non-adherence assessed through self-report and electronic monitoring**

Hans Wouters (Department of Pharmacy, Unit of Pharmacotherapy and Pharmaceutical Care, Groningen Research Institute of Pharmacy, Faculty of Mathematics and Natural Sciences, University of Groningen, Groningen, Netherlands)

**10:00-10:15 Questions and discussions for all presenters**

#### **A4: Education, knowledge and motivational interviewing**

(Chairs: Marie-Paule Schneider & Jacqueline Hugtenburg)

**08:45-09:00 Motivational Interviewing to Improve Adherence to the Medical Treatment of Glaucoma in Patients of African Descent: A Pilot Study**

Elizabeth McIntyre (Ophthalmology, Indiana University Glick Eye Institute, Indianapolis, IN, United States)

**09:00-09:15 Patient knowledge as a critical factor in adherence to oral anticoagulants: use of an atrial fibrillation and anticoagulation questionnaire to tailor patient education**

Lien Desteghe (Faculty of Medicine and Life Sciences, Hasselt University, Hasselt, Belgium & Heart Center, Jessa Hospital, Hasselt, Belgium)

**09:15-09:30 The effect of a telephone counseling intervention by pharmacist on patients' beliefs about medicines and blood pressure control**

Enrica Menditto (Center of Pharmacoeconomics, University of Naples Federico II, Italy)

**09:30-09:45 Medication adherence via Computer-Assisted Telephone Interviews: improving patient-reported data within the ASTROLAB asthma study**

Alexandra L. Dima (Amsterdam School of Communication Research ASCoR, University of Amsterdam, Netherlands)

**09:45-10:00 Put yourself in the patient's shoes: Future healthcare professionals experience a one-week multidrug treatment**

Sophie Lauzier (Faculty of pharmacy, Université Laval, Québec, Québec, Canada & Chair on adherence to treatments, Université Laval, Québec, Québec, Canada)

**10:00-10:15 Questions and discussions for all presenters**

**10:15-10:45 Coffee break**

**10:45-12:45 Plenary Keynote session on medication adherence in clinical practice**

(Chairs: Jiří Vlček & Przemyslaw Kardas)

**Introduction into the Medication compliance and adherence as a tool for maximization of effect and minimization of risk in Pharmaceutical care**

- **The physician perspective**  
Henry Smithson (University College Cork, Ireland)
- **The pharmacist perspective**  
**Beyond adherence, how to create a partnership with patients**  
Marcel Bouvy (Utrecht University, Netherlands)
- **The nurse perspective**  
Bradi Granger (Duke University, School of Nursing, USA)
- **The specialist perspective**  
**Adherence to antihypertensive drugs in patients with severe hypertension**  
Jiří Widimský (B. Štrauch IIIrd Department of medicine, General Faculty Hospital, Prague, Czech republic)

**12:45-13:00 Best poster award and adjourn**

**14:00-17:00 Future ESPACOMP & International collaborations**

- Coordination of Educational Programs on Medication Adherence
- Initiatives for European/International research grants
- Collaborations with Adherence Initiatives