

18th ANNUAL ESPACOMP MEETING (November 20-22, 2014 in Lausanne, Switzerland)

THURSDAY NOVEMBER 20 (pre-conference educational day)

09:00-09:30 Registration and welcome

09:30-17:00 **Workshop 1, advanced level course: Development, implementation and evaluation of large system, scalable adherence interventions**
 Parallel sessions

Speaker:

Prof. Leah Zullig, Duke University and Durham Veterans Affairs Center for Health Services Research in Primary Care, USA

Workshop collaborators:

Prof. Sabina De Geest, PhD, RN (University of Basel, Switzerland & KU Leuven, Belgium),

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)

Introduction:

The goal of this advanced level workshop is to address aspects of medication

adherence interventions across a continuum, ranging from intervention development to implementation and sustainability. This workshop is intended for health services researchers, clinicians, educators, and policy makers engaged in the design, implementation, and dissemination of adherence interventions. Participants should be prepared with knowledge of evidence-based behavioral and organizational theories relevant to intervention implementation. Experience with implementing adherence interventions is preferred. Balancing theoretical discussion and practical, hands-on learning – the workshop will be comprised of interactive presentations, group work, and discussion. Case studies will provide concrete examples for each topic including designing, selecting, adapting, and sustaining an intervention.

Learning objectives:

- Recognize and be able to explain key characteristics relevant for developing, implementing, and sustaining novel adherence interventions
- Select and adapt existing adherence interventions for implementation and broad dissemination in specific contexts (e.g., patients populations and/or settings) with an eye

- toward sustainability
- Increase awareness of how different stakeholders perceive a scalable and sustainable intervention

Learning methods:

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

Bibliography:

Participants must be well prepared in order to get the maximum benefit from the workshop. A list of key and supportive papers 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: knowledge in behavioral theory & interventions

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

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 (~30 minutes), and a full group discussion (~20 minutes). For small group work, participants will be in 6 groups of approximately 6 or 7 persons each. A faculty member will be a part of each group and will facilitate group discussion.

09.30-10.00	<p>Welcome and Review of Workshop Program General overview and welcome. Participants will introduce themselves within their small groups.</p>	Sabina De Geest Marie Schneider Leah Zullig
10:00-10:30	<p>Introduce and Assign Case Studies Goal: Provide an overview of complex case studies for small group work and discussion: AIMS (de Bruin); MeMO (Van Dijk); and HINTS (Zullig)</p>	Marijn de Bruin Liset Van Dijk Leah Zullig
10:30-11:30	<p>Module 1: Designing an Intervention for Future Scalability Goal: Provide perspective on fundamental elements of intervention design necessary for scale-up and sustainability</p>	Marijn de Bruin
11:30-11:45	Break	
11:45-12:45	<p>Module 2: Selecting an Existing Successful Intervention that is</p>	Leah Zullig

	Appropriate for Scale-Up	
	Goal: Identify characteristics of successful interventions making them suitable for adoption and broad implementation	
12:45-13:30	Working lunch	
13:30-14:30	Module 3: Adapting Evidence-Based Interventions for Specific Contexts	To be determined
	Goal: Determine which elements may/may not be adapted to facilitate adoption and broad implementation for specific contexts (e.g., patient populations, settings) while maintaining fidelity	
14:30-14:45	Break	
14:45-15:45	Module 4: Developing a Framework for Implementation	To be determined
	Goal: Develop and apply implementation frameworks at various levels (e.g., patient, provider, and organization/system) to support adoption and implementation of intervention(s)	
15:45-16:45	Module 5: Sustaining an Intervention	To be determined
	Goal: Perceive key elements of sustainable interventions; Anticipate and strategize proactive ways to overcome barriers	
16:45-17:00	Discussion and Evaluation of Workshop & Conclusion	All
	Goal: Review of current workshop and discuss improvements for future workshops	
	<ul style="list-style-type: none"> • What was appreciated? What was less valuable? • Which new content could be integrated in a similar 2015 ESPACOMP conference? • What should be the emphasis / priorities for research from your perspective? 	

09:30-17:00
Parallel
sessions

Workshop 2 on statistics: Longitudinal description of the three elements of medication adherence

Speakers:

Prof. Bernard Vrijens, PhD, Chief Science Officer, MWV Healthcare & Associate Professor of Biostatistics, University of Liège, Belgium

Dr Delphine Courvoisier, PhD, Statistician, Researcher, University Hospitals of Geneva

Dr Isabella Locatelli, PhD, Statistician, Department of Ambulatory Care and Community Medicine, University of Lausanne

Eric Tousset, Senior Mathematician and Director Scientific Services, MWV Healthcare

Introduction:

The goal of this advanced level workshop is to examine the appropriate statistical models needed to address specific aspects of medication adherence. This workshop is intended for health services researchers, clinicians, educators, and policy makers. It will include some theoretical presentations, but also a large part of practical, hands-on, analyses of a real dataset on medication adherence.

Learning objectives:

- Select and adapt statistical analyses to the element of adherence under study
- Conceptualize adherence as a mix of three elements
- Focus on graphical analyses to make sense of the complex data available

Learning methods:

presentations, hands-on statistical analysis, small group work

Bibliography:

In order to get the maximum benefit from the workshop, a list of key and supportive papers 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.

Max number of participants: 40

Please print out the materials before the workshop!!
Please bring your computer with the open source statistical software R installed.

To install, go to www.r-project.org, and download R.

09:30-10:10

Welcome and introduction to the 3 elements of

Bernard Vrijens

medication adherence

10:10-10:40	Lecture: Translating the three elements of medication adherence into statistical models Goal: to fit statistical methods to data complexity instead of fitting data to simple statistical methods	Eric Tousset
10:40-11:00	Break	
11:00-12:30	Exercise: Visual representation of initiation and discontinuation; Estimation and analysis of time to discontinuation using survival analysis	Eric Tousset
12:30-13:30	Lunch	
13:30-14:30	Lecture: Medication Adherence & dosing regimen implementation: from monthly percentages to longitudinal analysis of daily dosing regimen Goal: to identify all the data originally available and decide if they should be summarized and how	Delphine Courvoisier
14:30-15:10	Exercise: Visual representation of longitudinal adherence data	Isabella Locatelli
15:10-15:30	Break	
15:30-16:30	Exercise: Inference in longitudinal adherence data: GEE models	Isabella Locatelli
16:30-17:00	Discussion and Evaluation of Workshop & Conclusion <ul style="list-style-type: none"> • Review of the goals of the workshop • What was appreciated? What was less valuable? • Which content has not been covered that could be integrated in a similar workshop at the next year's ESPACOMP? • What should be the emphasis / priorities for research from your perspective? 	

THURSDAY NOVEMBER 20 (pre-conference educational day)

OPENING of ESPACOMP (Open to all ESPACOMP attendees)

17:30-18:30 **Review of the past 12-month literature on medication adherence**

Working group formed by Annemiek Linn, Marcia Vervloet, Christel Boons, Mieke Kleppe and Liset van Dijk.

Speakers: Marcia Vervloet, Liset van Dijk, Annemiek Linn

18:30 **Welcome drink party**

FRIDAY NOVEMBER 21

8:00	Registration
09:15-09:30	Welcome
09:30-10:30	The JM Métry memorial lecture A multilevel perspective of health behavior in transplantation: New insights from genomics and health care system research. <i>Prof. Sabina De Geest, School of Nursing, University of Basel, Switzerland and University of Leuven, Belgium</i>
10:30-11:00	Coffee break
11:00-12:30	Session 1: Key lecture and selected abstracts on efficacy, effectiveness and cost-effectiveness of medication adherence interventions
11:00-11:30	Key lecture: Research on adherence promotion in clinical practice. Strategies and findings <i>Prof. Dennis Drotar, Department of pediatrics, Cincinnati Children's Hospital Medical Center, US</i>
11:30-11:45	e-Monitoring of Asthma Therapy to Improve Compliance in children (e-MATIC) <i>Liset van Dijk (NIVEL, Netherlands Institute for Health Services Research, Utrecht, The Netherlands)</i>
11:45-12:00	Meta-Analysis of Heart Failure Medication Adherence Interventions <i>Todd M. Ruppap (University of Missouri School of Nursing, Columbia, Missouri, USA)</i>
12:00-12:15	Telephone counseling at start of therapy by pharmacists reduces discontinuation rates: results of a cluster randomized controlled trial in The Netherlands <i>Marcel J. Kooy (Department of Pharmacoepidemiology & Clinical Pharmacology, Utrecht Institute for Pharmaceutical Sciences, Utrecht University, the Netherlands)</i>
12:15-12:30	Effect of ringtone reminders on adherence and asthma control in school – aged children with asthma <i>Amy Hai Yan Chan (School of Pharmacy, Faculty of Medical and Health Sciences, The University of Auckland, Auckland, New Zealand)</i>
12:30-13:30	Lunch break combined with poster session
12:45-14:00	Poster walk presentations
14:00-15:30	Session 2: Key lecture and selected abstracts on new care models
14:00-14:30	Key lecture: The introduction of novel anticoagulants for atrial fibrillation patients: need for new care models to improve adherence

Prof. Hein Heidbuchel, University of Leuven, Belgium

14:30-14:45 **Interdisciplinary collaboration pharmacists-nurses and medication adherence programs: a review**

Jennifer Celio (School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, Switzerland; Community pharmacy, Department of ambulatory care & community medicine, University of Lausanne, Switzerland)

14:45-15:00 **Beliefs about inhaled corticosteroids: differences between community pharmacists, pharmacy technicians and patients with asthma**

Sandra van Dulmen (Buskerud and Vestfold University College, Drammen, Norway, NIVEL, Netherlands Institute for Health Services Research, Utrecht, The Netherlands)

15:00-15:15 **Improvement of adherence to antiosteoporotic treatments: a regional experience**

Luisella Cianferotti (Bone Metabolic Diseases Unit, Department of Surgery and Translational Medicine, University of Florence, Florence, Italy)

15:15-15:30 **What puts heart failure patients at risk for poor medication adherence?**

Barbara Riegel (DNSc, RN, University of Pennsylvania School of Nursing, Philadelphia, PA, USA)

15:30-16:00 **Coffee break**

16:00-17:30 **Session 3: Key lecture and selected abstracts on research translation into clinical practice**

16:00-16:30 **Key lecture: Medication adherence in medicine: not just a question of taking a pill.**

Prof. Michel Burnier, University of Lausanne, Switzerland

16:30-16:45 **Economic evaluation of adherence enhancing interventions for antiepileptic drugs**

Dyfrig Hughes (Centre for Health Economics and Medicines Evaluation, Bangor University, Arduwy, Normal Site, Holyhead Road, Bangor, Wales)

16:45-17:00 **A practical counseling tool to improve medication adherence**

Yoleen Van Camp (Department of Nursing Sciences, University of Antwerpen, Antwerp, Belgium)

17:00-17:15 **Does an adherence-enhancing program increase retention in care in the Swiss HIV Cohort?**

Matthias Cavassini (Infectious Disease Service, CHUV, University of Lausanne, Switzerland)

17:15-17:30 **Exploring the implementation of a medication adherence programme by community pharmacists: a qualitative study**

*Sophie DuPasquier (Department of Ambulatory Care
and Community Medicine, University of Lausanne,
Switzerland)*

17:30-18:30 **ESPACOMP board meeting**

19:00 **Evening dinner**

SATURDAY NOVEMBER 22
09:00-10:30 Session 4: Key lecture and selected abstracts on determinants of patients' adherence

- 09:00-09:30 **Key lecture: Using the healthcare system to our advantage: large simple clinical trials in adherence improvement research**
Prof. Niteesh K. Choudhry, Harvard Medical School, Boston, US
- 09:30-09:45 **Patterns and factors associated with low adherence to psychotropic medications during pregnancy - a cross-sectional, multinational web-based study**
Angela Lupattelli (Department of Pharmacy, School of Pharmacy, University of Oslo)
- 09:45-10:00 **Beliefs on adherence to adjuvant endocrine therapy for breast cancer: a qualitative study**
Sophie Lauzier (Faculty of pharmacy, Université Laval, Québec, Québec, Canada; Chair on adherence to treatments, Université Laval, Québec, Québec, Canada)
- 10:00-10:15 **A review of baseline characteristics from an innovative adherence support programme for patients with ulcerative colitis**
Lucy Ashworth (Atlantis Healthcare, London, UK)
- 10:15-10:30 **Does the Intermed instrument predict medication adherence in transplant recipients?**
Marie P Schneider (School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, Switzerland; Community pharmacy, Department of ambulatory care & community medicine, University of Lausanne, Switzerland)

10:30-11:00 Coffee break

11:00-12:30 Session 5: Key lecture and selected abstracts on combination of different adherence measures

- 11:00-11:30 **Key lecture: Combination of different adherence measures: scientific rationale and added value on method validity**
Prof. Jean-Jacques Parienti, University of Caen, France
- 11:30-11:45 **Drug exposure measures: comparison of methods used to estimate adherence to drug**

therapy

Helga Gardarsdottir (Department of Clinical Pharmacy, Division Laboratory and Pharmacy, University Medical Center Utrecht, Utrecht, The Netherlands.; Division of Pharmacoepidemiology and Clinical Pharmacology, Utrecht Institute for Pharmaceutical Sciences Faculty of Sciences, Utrecht University, Utrecht, The Netherlands)

11:45-12:00

Adherence to oral anticancer drugs (OAD) in patients with metastatic renal cell carcinoma (mRCC): results of the prospective observational multicenter IPSOC study (Investigating Patient Satisfaction with oral anticancer Treatment)

Veerle Foulon (Clinical Pharmacology and Pharmacotherapy, KU Leuven, Belgium)

12:00-12:15

Time Series Analysis of medication adherence and physiologic data from early user-experience of novel ingestible micro-sensor in diabetics

Lorenzo DiCarlo (Proteus Digital Health, Redwood City, CA, USA)

12:15-12:30

Neighborhood material and social deprivation and adherence to antidepressant treatment in depression

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

12:30-13:00 Closing