



ESPACOMP advanced Implementation Science Masterclass

Organizing committee

Prof. dr. Bart van den Bemt, PhD, PharmD (Radboud university medical center, The Netherlands)
Dr. Charlotte Bekker, PhD (Radboud university medical center, The Netherlands)
Prof. Dr. Leah Zullig, PhD, MPH, (Duke University and Durham Veterans Affairs Centre for Health Services Research in Primary Care, USA)
Prof. Dr. Sabina De Geest, PhD, RN (University of Basel, Switzerland & KU Leuven, Belgium)
Prof. Dr. Liset van Dijk, PhD, (Nivel Utrecht, The Netherlands & University of Groningen)

Faculty

Prof. Dr. Leah Zullig, PhD, MPH, (Duke University and Durham Veterans Affairs Centre for Health Services Research in Primary Care, USA)
Prof. Dr. Sabina De Geest, PhD, RN (University of Basel, Switzerland & KU Leuven, Belgium)

Dr Lisa M Pfadenhauer , LMU Munich
Juliane Mielke, Msc, UNIBAS
Dr. Rosella Hermens, Radboudumc Netherlands
Prof. dr. Geoffrey Curran, University of Arkansas for Medical Sciences, USA

Introduction

Implementing evidence-based interventions into routine care is very difficult and needs strategies that address the complexity of systems of care, including patients / families, communities, individual practitioners, senior leaders and contextual factors. From the time evidence is generated to the time it becomes part of everyday practice takes often longer than 17 years. Although an increasing number of academic researchers acknowledge the importance of implementation research, historically, the research-to-practice gap has often been neglected. Traditionally research has focused on effectiveness and safety of an intervention with highly selected patients and selected contexts. Whether these findings translate into public health impact has typically received less attention. However, the ultimate impact of health innovations depends not only on the effectiveness of the intervention, but also on its successful implementation and sustainability in a variety of contexts.

Implementation science aims to to facilitate the systematic uptake of research findings into routine practice, and, hence, to improve the quality and effectiveness of health servicesThis advanced workshop will build on former introduction course in implementation science and address several

methodological building blocks of implementation science related to medication adherence interventions in greater depth.

Structure

Five webinars of each 2 hours over a period of three months. Each webinar starts with a theoretical lecture followed by small group work and plenary discussions. Participants are encouraged to actively participate in all discussions. For each webinar some preparatory work is provided consisting of reading materials and an assignment.

The course will follow the Basel Heptagon¹⁾ that describes seven domains to be considered during an implementation science project (see Figure below).

Webinar	Topic	Speaker
1 – November 3 rd 2021	Introduction to Implementation Science <i>Principles of Implementation Science and introduction to Basel Heptagon</i>	Prof. dr. Sabina De Geest, University of Basel, Switzerland & KU Leuven, Belgium
2 – November 24 th 2021	Implementation science theories, frameworks and models <i>How to select the most appropriate theoretical framework</i>	Leah Zullig, PhD, Duke University and Durham Veterans Affairs Centre for Health Services Research in Primary Care, USA
3 – December 15 th 2022	Contextual analysis <i>To better understand and map the relevant characteristics of the setting in which the intervention will be implemented. Contextual information contributes to effective intervention co-design and informs the choice of contextually relevant implementation strategies.</i>	Dr Lisa M Pfadenhauer , LMU Munich Juliane Mielke, UNIBAS
4 – January 12 th 2022	Implementation and effectiveness outcomes Hybrid designs and other IS designs <i>Combine the evaluation of an intervention's effectiveness and the outcomes of implementation efforts</i>	Prof. dr. Geoffrey Curran, University of Arkansas for Medical Sciences, USA
5 – February 2 nd 2022	Implementation strategies <i>Facilitate the adoption, implementation, sustainability and scaling up of specific interventions, programmes or practices</i>	Dr. Rosella Hermens, Radboudumc Netherlands

After the workshop, participants:

- Will have knowledge about theoretical background of implementation science
- Will be provided with tools to study the implementation of medication adherence interventions
- Will have practical hands on about application of fundamentals of implementation science to their own project
- Will be inspired by experiences of other participants
- Will go home with revived energy to implement adherence interventions

Learning methods

Interactive webinars, theoretical education, exercises, small group work.

Maximum number of participants: 15. Participants need to have basic knowledge about implementation science. Please submit a half page application letter addressing your experience with and knowledge about implementation science. For example, courses or lectures you have followed or what kind of IS research projects you have been involved in.