

# iSSRMA - Introduction to Systematic and Scoping Reviews and Meta-analysis

2nd to 19th May 2023

## - WEEK 1 -

### **2nd May - Welcome and Introductory sessions**

*Filipa Ribeiro*

*Pedro M Teixeira*

09h00-09h30 - Welcome to iSSRMA  
09h30-10h00 - Syllabus  
10h00-10h30 - Pre-course Survey  
11h00-11h45 - Introduction to Systematic and Scoping Reviews  
11h45-12h30 - Introduction to Meta-Analysis  
12h30-13h00 - Limitations of Systematic Reviews

### **2nd May - Framing the question**

*Filipa Ribeiro*

14h00-15h30 - Asking and refining your question  
16h00-18h00 - Search principles, techniques and strategies, resources.

### **4th May - Finding evidence**

*Pedro M Teixeira*

09h00-10h30 - Search strategy and article retrieval and screening techniques  
11h00-13h00 - Systematic review protocol  
14h00-18h00 - Quiz and Independent work - Drafting your protocol

## - WEEK 2 -

### **8th May - Bias - parallel sections for clinical and basic research**

*Pedro M Teixeira*

09h00-10h30 - Data acquisition methods  
11h00-13h00 - Principles of assessing bias and study quality  
14h00-18h00 - Quiz and Independent work - Screening your dataset

### **9th May - Practical work**

*Filipa Ribeiro*

*Pedro M Teixeira*

09h00-10h45 - Peer-review assignment  
11h00-12h30 - Group presentation  
14h00-18h00 - Independent work - Data extraction

### **10th-12th May - Independent work**

09h00-18h00 - Individual tutoring sessions

## - WEEK 3 -

### **15th May - Qualitative data**

*Filipa Ribeiro*

09h00-10h30 - Synthesis of qualitative data  
11h00-13h00 - Interpreting findings  
14h00-18h00 - Quiz and Independent work - Data extraction

### **16th May - Meta-analysis statistical methods**

*Patricio Costa*

*Pedro M Teixeira*

09h00-10h30 - Types of data and effect measures  
11h00-13h00 - Fixed effects model versus Random-effects model  
14h00-17h00 - Quiz and Independent work - Data extraction

### **17th May - Meta-analysis statistical methods**

*Renato Andrade*

14h00-16h00 - Subgroup and sensitivity analyses  
- Meta-regression  
- Publication bias  
- Evidence synthesis (GRADE)

### **19th May - Final course work**

*Filipa Ribeiro*

*Patricio Costa*

*Pedro M Teixeira*

09h00-10h30 - Assessment 3: Individual Project presentations  
11h00-12h30 - Assessment 3: Individual Project presentations  
12h30- 13h00 - Wrap-up and final survey