prbb intervals
Continuing Professional Development Programme
Space for Reflective Learning

PRBB Intervals Course Proposal

Course Title
How to read a scientific paper using common sense and AI

Proposed date(s)
26th January 2027

Course Language
English

Course Leader(s) and very brief summary of relevant qualifications and experience (no more than 2 lines for each trainer)
Lisa Saemisch is a physicist with 7 years of experience as experimental researcher, and over a year as scientific project manager. She has been giving workshops for TPM Science since 2021, and is also the head of the training area at the company.

Anna Erb is a biochemist with a PhD from TU Munich, Germany, and over 8 years of experience as a translational researcher in academia. She joined TPM Science in 2026 as a trainer and training manager.

Rationale for course (why is this course of interest for the PRBB staff?)
Reading the scientific literature is one of the most common tasks we have to do as scientists - however, most of us rarely receive training on how to do this important task. In this workshop, we will review key competencies and good practices for approaching this task in a more systematic way. We will explore the growing offering of AI tools that we can use to speed up and automate different parts of the process.

Course aim - general
The goal of this workshop is to help participants tackle this challenge in a more scientific way - with processes and appropriate tools to help gather, manage, and extract scientific evidence from the literature.

Specific learning outcomes (what new skills, knowledge &/or attitudes will participants to take away from the course?)
In this workshop we will cover basic competencies for one of the most common and important tasks for early stage researchers: gather, manage, and extract scientific evidence from the literature. The workshop will review key competencies and processes to digest the literature in a systematic way, highlighting also some practical tools to speed up this process.

Course contents (outline of topics to be covered)
- Establishing your workflow
- The basics: finding and managing the information
- Extracting information from the literature in a systematic way
- Supercharge: Using AI tools to get things done

Training methods

This is a highly interactive training workshop with extensive elements of partner work, exercises, group discussion, and a special emphasis on sharing and learning from participants' own expertise and experience.

Target group in PRBB (Senior scientists, postdocs, predocs, management/admin staff, all residents)

All PRBB

Number of participants (maximum)

12

Total course hours (Please specify: direct training with instructor present and required self-study)

Note: only the direct training hours will be included in the post-course certificate.

Number of hours of class time: 7
Number of hours of self-study: 1
Total number of course hours: 8-9

Distribution of course (hours/days)

One 7h session (in-person)

Pre-course preparation and/or between sessions?

Before the course the trainer will send a simple preparatory task and some reading material.

Material participants need to bring (laptops, etc…)

Laptop with internet connection.

Relevant background reading/ audiovisual/websites or other materials

Provided in advance