

BIOME Core: Clinical Research

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Aims and objective of the core

We define “clinical research” as patient-oriented research that includes the evaluation of diagnosis, prognosis and treatment effects. Related study designs include randomized trials, cohort studies, case-control studies and cross-sectional studies.

The aim of the core is to provide a structured doctoral program that offers opportunities to acquire:

- **general scientific skills** (good scientific practice, logic of scientific discovery, interpretation of scientific results, oral presentation)
- **specific, research-related skills** (ethic review, data confidentiality, study protocol development, data management, quality assurance, data analysis)
- **insights into research methods and techniques that become relevant during the postdoc period** (principles of descriptive and inferential statistics, definition of the p-value, data visualization, principles of regression analysis)

Requirements for doctoral members

- English language
- 90% participation of lectures
- 2 Presentations of own project by each young researcher (1x seminar and 1x annual retreat)
- Registration by e-mail with application form to biome@uni-due.de.

Lecture and seminar series

- Part I: open to all members of the faculty
- Part II: internal (core members only as unpublished data is discussed)

Clinical Research lectures take place every month starting in April of each year. It includes a presentation on one of the above-mentioned topics (general skills, specific skills, research methods and techniques for young researchers) during the first hour. This is followed by doctoral researchers presenting their projects in the seminar series. The lecture/seminar series ends with an annual retreat in March each year where all doctoral members cross-present their work to the group on that day.

Other requirements

Please note: Clinical Research's "BIOME Workshop" events are considered to be part of the regular lecture programme for Clinical Research core members. However, for those BIOME members from other cores opting to join, these count as soft skill workshops.

For full BIOME accreditation, Clinical Research core members are required to have attended a minimum of two soft skill workshops outside of the Clinical Research lecture programme. An overview of such courses can be found here: [BIOME - Soft Skills](#)

Evaluation

Not planned.

Certificate

From BIOME after completion of all requirements. 90% participation of lectures and doctoral presentations, and the annual retreat is obligatory.