Universität Hamburg
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hche Hamburg Center for Health Economics

IMPROVING QUALITY OF CARE IN EUROPE

PhD Course

WRITING SKILLS & INTELLECTUAL PROPERTY RIGHTS & RESEARCH INTEGRITY

17.11.2017: 09:00 am - 05:00 pm

Classroom: 4029, Esplanade 36

Course Instructor: Dr. Andrea Sanchini

Course Overview: For most, scientific writing is difficult. Scientists, especially PhD candidates, often struggle with writing journal articles or their theses, while simultaneously completing time-consuming research projects. Despite the difficulty, it is essential for PhD candidates to develop an impressive publication record. The publication of high quality journal articles is imperative in order to apply for jobs or for research grants, to communicate findings, and to define their reputation in the field.

Scientists have the responsibility to communicate their findings to their peers, and publishing is the key to communicating scientific results. Scientific findings can only be used effectively if scientists are able to clearly communicate them. Moreover, PhD candidates and scientist should learn principles of research and integrity and intellectual property rights, avoiding results falsification, fabrication or plagiarisms.

In this workshop, we develop a set of “how-to” strategies for increasing writing productivity and for enhance the strengths of publications.

The workshops follow a balanced approach, including input presentations provided by the trainer, individual learning phases and group exercises. In addition, hand-outs, checklists or sample articles from the trainer's own experience in scientific writing will be provided.

Topics:

- Common challenges and misunderstanding in academic writing
- The stages of the writing process
- Clear scientific writing
- How to organize the flow of information
- Research and Publication integrity
- Copyright and plagiarism issues
- Principles of intellectual property rights

General literature:

Books

- Silvia, P. J. (2007). How to Write a Lot: A Practical Guide to Productive Academic Writing. Washington, DC: American Psychological Association (APA).

- Zinsser, W. (2016). *On Writing Well: The Classic Guide to Writing Nonfiction - 30th Anniversary edition*. New York: HarperCollins.
- Strunk, W., White, E. B. (1999). *The Elements of Style - 4th edition*. New York: Longman.

Journal articles

- Glover, N.M., Antoniadi, I., George, G. M., Götzenberger, L., Gutzat, R., et al. A Pragmatic Approach to Getting Published: 35 Tips for Early Career Researchers. Front Plant Sci. 2016; 7:610. doi: 10.3389/fpls.2016.00610.
- Marusic A, Wager E, Utrobicic A, Rothstein HR, Sambunjak D. Interventions to Prevent Misconduct and Promote Integrity in Research and Publication. Cochrane Database Syst Rev. 2016; 4:MR000038. doi: 10.1002/14651858.MR000038.pub2.
- Singh, V., Mayer, P. Scientific Writing: Strategies and Tools for Students and Advisors. Biochem Mol Biol Educ. 2014; 42:405-13. doi: 10.1002/bmb.20815.
- Walker, R., Rocha da Silva, P. *Emerging Trends in Peer Review-A Survey*. Front Neurosci. 2015; 9:169. doi: 10.3389/fnins.2015.00169.

Assessment: At the end of the workshop, participants will be able to:

- Handle the typical challenges associated with scientific writing
- Use strategies to increase their writing productivity
- Avoid unethical behaviour and publishing misconduct
- Use strategies to enhance the quality of your publications

Teaching language: English