



Alma Mater Studiorum – Università di Bologna
Dipartimento di Ingegneria Industriale

IRCCS Istituto Ortopedico Rizzoli
Laboratorio di Tecnologia Medica

Interdepartmental Doctoral Programme in Health
Sciences and Technologies



Seminar Announcement

HOW TO WRITE A SCIENTIFIC PAPER

February 1st, 2023 – 14:00 to 16:00

ONLINE ONLY

https://teams.microsoft.com/j/mectup-join/19%3ameeting_ZjAzMDEwYzYtNTVmOC00NjAvLTk1NWYtMjc4N2VlYzFiODdm%40thread.v2/0?context=%7b%22Tid%22%3a%22e99647dc-1b08-454a-b8c-699181b389ab%22%2c%22Oid%22%3a%223bed811d-612b-468f-af61-455efdc836c2%22%7d

Brief Description

This two-hour seminar is open to any student or researcher in training who are interested in learning more about scientific writing. While the seminar is specifically designed for researchers working at the interface between technology and medicine, it is of potential interest to anyone working in scientific research.

The seminar reflects why scientists should publish. It then offers a historical framing to the development of scientific publications that eventually brings the so-called IMRAD structure commonly used in modern scientific papers. It then provides information about the type of publications and the most common editorial rules. Last, each element of a scientific paper is presented in detail, with useful, practical information on the structure, the content, the formal elements, and some additional advice specific to interdisciplinary publications. The seminar then describes the editorial process, reflects on how writing relates to the research project, and provides some information about open-access publishing.

About the speaker

Marco Viceconti is a full professor of Computational Biomechanics in the department of Industrial Engineering of the Alma Mater Studiorum – University of Bologna, Italy. He also has a joint appointment at the Medical Technology Lab of the Rizzoli Orthopaedic Institute. Before he was chair of computational biomechanics at the Department of Mechanical Engineering of the University of Sheffield, UK, he founded and led the prestigious Insigneo Institute for in silico Medicine for seven years. Prof Viceconti is an expert in neuromusculoskeletal biomechanics in general and in particular in using subject-specific modelling to support medical decisions. He is one of the key figures in the in silico medicine international community: he founded the VPH Institute, an international non-profit organisation that coordinates this research community, and drove the creation of the Avicenna Alliance, which represents the biomedical industry interests in this domain. He served as President of the European Society of Biomechanics and of the European Alliance for Medical and Biological Engineering and Science. He is currently one of 25 members of the World Council of Biomechanics. In 2018 he became a Fellow of the UK Royal Academy of Engineering; in 2021, he received the Huiskes Medal for Biomechanics. According to SCOPUS he published 377 papers (H-index = 55).



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