Module name	**Literature Studies in Computational Life Science**
Module number	CMS-SEM-CLS
Senior Lecturer	Prof. Dr. Ivo Sbalzarini ivo.sbalzarini@tu-dresden.de
Qualification objectives	Students can independently develop the content of scientific publications from Computational Life Science themes and present them in a comprehensible way to third parties, as well as critically analyse the knowledge acquired. They are able to critically analyse and communicate the application of computational modelling methods in life sciences and to identify cross-application approaches.
Contents	The module will cover classical and up-to-date research and application topics of computational modelling and simulation with a focus on computational life sciences, including analysis and discussion of published scientific papers.
Forms of teaching and learning	The module includes seminars of 2 SWS and self-study. The language of the seminars will be English.
Eligibility for participation	No knowledge is required.
Usability	In the Masters Course Computational Modeling and Simulation, the module is a compulsory optional module of basic scientific methodological training, to be chosen in accordance with Annex 1 to the Specific Examination Regulations. The module cannot be chosen in the Master's Course Computational Modeling and Simulation if this or a module with substantially the same content from a Course with which the entry conditions under § 3 of the Studienordnung have been met has already been completed. The module provides the pre-requisites for the modules it designates under the pre-requisites for participation.
Conditions for the award of credits	Credits are awarded when the module test is passed. The module test consists of a complex performance of 50 hours. The language of the test will be English.
Credits and marks	The module allows for 3 credit points. The module score corresponds to the test performance score.
Frequency of the module	The module is offered every summer semester.
Workload	The total workload is 90 hours.
Duration of the module	The module covers 1 semester.