



# CBI SEMINAR



11h A.M

FRIDAY  
January 14th 2022

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### "How explanatory (if at all) are computational models?"

The goal is mainly to present why this is an important question for philosophers and for computational scientists, as well as for collaborating scientists. Focusing on computational models in neuroscience, the talk will discuss an inherent crucial ambiguity. The computations that are used in computational neuroscience can be thought of as descriptive/predictive models of the computations that are really taking place in the brain or as explanatory models of behaviors of biological mechanisms taking place in brains (these mechanisms not being really computational). Propositions to address the question will be given from a philosophical point of view.

This presentation will be quite sketchy and aims at provoking interaction between biologists, computational scientists, and philosophers of neuroscience.

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