



# Hamilton Institute

## Systems Biology at FCC - From Theory to Application

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***Abstract:***

The Bioinformatics and Systems Biology group at the Fraunhofer Chalmers Research Centre (FCC) provides an integrated approach to the study of biochemical and physiological processes, from the analysis of sequence data to the analysis of dynamic phenomena on a systems level. We develop mathematical methods and tools that aid to delineate and better understand the underlying cause of a disease or phenomenon at both the gene and mechanistic level, i.e., in terms of sequence data, quantitative data and its relation to biochemical reaction or interaction networks.

In this talk I will present work that I have been carrying out during the last years at FCC. The goal is to give an overview over past, recent, and planned activities, modeling projects, method and tool development.

**Venue:** Seminar Room, Hamilton Institute, Rye Hall, NUI Maynooth

**Time:** 2.00 - 3.00pm (followed by tea/coffee)

Travel directions are available at [www.hamilton.ie](http://www.hamilton.ie)

