

## Titre

**Spatial scaling of epidemics**

## Encadrant

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## Lieu

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## Description

Infectious disease epidemics are dynamical systems which evolve in space, and time. Understanding how diseases spread is the first step to preventing and containing outbreaks. This project will theoretically study how the spatial scale of observation influences the dynamics of the spreading process, and its description. It will use techniques from statistical physics and network sciences, both through analytical and numerical calculations.