

# SALZBURG MATHEMATICS COLLOQUIUM

Winter 2021/2022

Monica Chiogna (Bologna)

## „Statistical modelling of biological networks: challenges and opportunities“

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### Abstract:

Thanks to their semantic value and transparency in representing systems of interactions, biological networks have become the common language of many areas of biology. Despite this, incorporation of network-shaped knowledge into the statistical approaches aimed at addressing biological questions proves difficult, and, often, limited in scope. In this talk, I will discuss how graphical models can offer the ground on which statistics and biology can proficuously dialogue, by allowing the development of principled solutions for analyzing, modelling, interpreting and predicting biological phenomena.

Thursday, **15:00-15:45**

Hörsaal 414, 1. Stock