Genesis and dynamics of complex networks

- Topological properties and growth mechanisms of weighted, dynamic, and multiplex networks

- Scientific and artistic collaborations
  - Effects of inter-disciplinarity and genre-spanning collaborations
  - Open versus closed structures on scientific and artistic success

- Rich-club structures in weighted complex networks

- Scaling phenomena and long-memory processes in online communication

- Effects of homophily and cognitive similarity on the structure and dynamics of social interaction

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