



Zurich, 01. August 2015

The University Research Priority Programme (URPP) Social Networks of the University of Zurich offers **a Senior Research Associate position (Postdoc)** starting from January 1st 2016 or by arrangement. The appointment is for one year, and may be extended for up to three.

The URPP Social Networks (<http://www.socialnetworks.uzh.ch>) examines the relationship between social structures and economic behaviour by focusing on complex networked systems. The programme is of interdisciplinary nature and it centres on the investigation of social networks from a perspective that combines elements from network science, physics, economics, information technology and mathematics to deal with modern marketing and management issues.

Background

The programme is one of the eight research excellence programmes that the University of Zurich launched in 2013 in order to strengthen its leading position in international scientific research. It works closely together with the Chair for Marketing and Market Research that is part of the Faculty of Economics, Business Administration and Information Technology (<http://www.market-research.uzh.ch>). The URPP Social Networks strongly supports the academic career development of young researchers. As the University of Zurich as a whole, applications from female candidates are especially encouraged.

Responsibilities/Offer

Develop, manage and publish research projects with focus on analysis, modelling of social interactions with a motivation in marketing and management: e.g. opinion formation and diffusion. Development of methodological tools, although not a primary focus, will be encouraged. There will be particular emphasis on these processes taking place in presence of rapidly changing patterns of interactions, usually termed *temporal networks*. The appointed candidate must collaborate in supervising students' theses, teaching activities on network-related topics and support administrative tasks. We offer: A competitive salary, a well-equipped workspace at an excellent university, a stimulating environment.

Qualifications

The candidate should have a recent Ph.D. in physics of complex systems, economics or computer science, preferably related to modelling of social and/or economic interactions and network related topics. She/he should have experience in modelling, statistics, quantitative empirical data analysis, and preferably working with large-scale networks. Other requirements are: (i) Good command of programming languages such as R, Python for data analysis and C++ or equivalent for computer simulations, database access and storage. (ii) Very good command of English (oral and written) and excellent communication skills. The priorities of our programme are: Developing exciting new research and creating real world applications in cooperation with organisations. Candidates should therefore be able to demonstrate a track record of completing high quality and innovative research. Curiosity and discipline, self-reliance, integrity, and creativity are desired attributes.

Further information/How to apply

Further enquires can be sent to Prof. Dr Claudio J. Tessone (address below). To be considered, applications must be sent by email, enclosing the following: (i) a current CV with complete publication list, (ii) a research statement of research experience, interests and project ideas, (iii) The name and contact details of two referees. Address your correspondence with subject "Application senior research associate – URPP" to both:

- Prof. Dr Claudio J. Tessone (claudio.tessone@business.uzh.ch)
- Prof. Dr René Algesheimer (market-research@business.uzh.ch)

