

Remarks on Postdoctoral Research

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This document contains a few remarks regarding postdoctoral researchers considering me as a mentor for their research projects. I would appreciate if you could read the document and take the remarks into account before contacting me. *Thank you!*

1. **General:** Overall, I am very happy to collaborate with postdoctoral researchers on areas of common interest. It is one core competence of universities to allow researchers to develop a research agenda as well as teaching concepts after their thesis. A postdoctoral research phase is almost indispensable these days if you want to pursue an academic career.
2. **Topics:** My research lies at the *interface between several fields*. Therefore, I can link to quite a wide range of topics. However, currently the following areas are my main focus:
 - differential equations / dynamical systems (ODE, PDE, and/or dynamical systems)
 - probability / stochastic processes
 - scientific computing / numerical analysis
 - modelling (network science, mathematical biology, and/or mathematical physics)

Personally, I prefer to work with other colleagues at (or beyond) postdoctoral level whose skills are *quite close but still complementary* so that both sides also learn something new in the process.

3. **Requirements:** Strong analytical and/or programming skills, experience with mathematical software tools, LaTeX and very good English language skills are useful.
4. **First Contact:** Please send me an email with some basic information about you. If there is mutual interest, I am going to contact you, whether it would make sense to talk about whether there is an exciting joint research project.
5. **Funding:** Even though there may be a good topic, there is the major issue of funding if you want to work directly in my group. There are a number of great opportunities for postdoctoral funding and I am happy to explain you some options and funding schemes.
6. **Meetings:** There will be *regular group meetings* with other researchers in my group. For postdocs working in my group, it is strongly encouraged that you participate weekly during semester time. Although listening to problems and topics of other scientists every week may not sound immediately appealing to you, there is a long-term benefit of this type of format.