

Andreas Bender

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College Affiliation: King's College
Research Interest Group: Theory, Modelling and Informatics
For more information, please visit: www.andreasbender.de



About Me

I am originally a chemist by training, however my scientific past until this stage has already spanned many countries I lived in, namely Germany (where I studied at TU Berlin), Ireland (where I studied at Trinity College Dublin), the UK (I completed my PhD here in Cambridge), the US (for a postdoc in Boston), the Netherlands (where I had my first academic appointment, at Leiden University), and India (where I was, and still am, a visiting lecturer in Bangalore). I have worked also in industry, namely for Novartis (during my postdoc time) and moved over to more 'cheminformatics' (so computational) work by now, and I think this rather varied background now enables me to draw on lots of different types of experience - and hence different ways of approaching a new situation. This arguably helps a lot in life, where you encounter new and sometimes rather 'scary' situations all the time.

My Research Interests

In my group, which comprises about 20 people by now, we do research in the bio- and cheminformatics area – basically, we aim to analyse large chemical and biological datasets using computational methods (e.g. machine learning approaches), to find patterns in the data. These patterns can tell us, for example, to modify a given ligand in a certain way to make it more selective – this information is all 'in the data', we 'just need to discover it'. In order to validate our models/findings we also work a lot with experimentalists, this is certainly crucial for our work.

Mentoring Support I Can Provide

- Topics included in my research interests above
- Concrete input how you might prioritize your work to achieve a given goal
- Career development and progression: routes to academic careers
- Career development and progression: routes to industry careers (e.g. pharmaceutical/life science)
- Career development and progression: career values, aspirations, training and paths
- Other work-related issues: people management/conflict resolution
- Widening your support network
- Provide motivation, confidence and inspiration

Mentoring Contact and Availability

Please email me (at ab454@cam.ac.uk), give me a call (01223-762983), or probably as the best option just visit me in my office (UG09, which is directly behind the Unilever Lecture Theatre).