



## SAMBa Newsletter, issue 22, Dec 2023

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## ITT18 explores flood and food safety

In June, we welcomed [Syngenta](#) and [RSS-Hydro](#) to our 18th Integrative Think Tank who presented challenges including developing chemical transport and xenobiotic effect models, and investigating flood mapping and preparedness. The event led to some interesting collaborations and we are currently exploring routes to fund future research.



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*"The ITT represents a successful story, a role model to follow in order to strengthen the bond between the two worlds." Paolo Tamagnone, RSS-Hydro*

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[Find out more](#)

## Welcome to cohort 10!



In October, the SAMBa cohort was augmented by 20 new PhD students who have brought a range of new skills and interests, including karting, tag rugby, hurling, canoeing, bouldering, piano playing, mountain biking, and an impressive amount of volunteering activity. The new recruits represent five

different nationalities and a broad range of enthusiasm for research across the statistical applied mathematics spectrum.

[Find out more about the SAMBa cohort](#)

## Developing SAMBa in Brazil

This December, a selection of staff and students travelled to Brazil to deliver an Integrative Think Tank jointly organised with [CeMEAI](#), a research institute designed to support solving of industrial problems through collaboration with mathematical sciences, and hosted by the [Brazilian Synchrotron Light Laboratory \(LNLS\)](#) and the [Institute of Mathematics, Statistics, and Scientific Computing at Unicamp](#). It was a great event, with challenges presented by partners from LNLS and the [National Centre for Alerts and Monitoring of Natural Disasters \(Cemaden\)](#) and there is now a strong foundation for building future research collaboration and impact.



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*"The ITT experience in Brazil was awesome! We worked on a problem directly linked to the way some measurements are acquired in the synchrotron, and it was convenient that we could walk a few meters and sense-check ideas with the very people acquiring data. I enjoyed the cooperative atmosphere and establishing connections with researchers based in Brazil. It was also an intense cultural experience, with incredible nature and delicious food." Silvia Gazzola, Bath Maths*

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[Read more about the CeMEAI-SAMBa ITT](#)

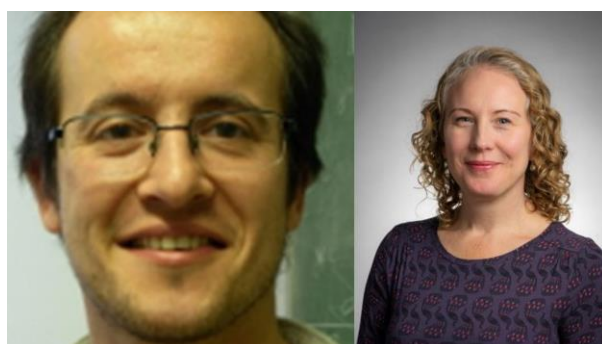
## Staff news



In news that may seem careless to some of you, we have lost another long-standing SAMBa co-Director this year. After 12 years in Bath, where he not only did an amazing job of developing and co-leading SAMBa, but was also a fantastic Head of Department, **Paul Milewski** left us to join Penn State this Autumn. Of course, we are sad to lose Paul from Bath but excited to continue to work with him from across the pond.



**Alex Cox** now re-joins the SAMBa team as co-Director. Alex was part of SAMBa Executive for many years and has recently become deputy Head of Department. He brings a wealth of research and training experience, as well as the best array of SAMBa hoodies of anyone in the department!



**Tristan Pryer** has stood down from the SAMBa Executive team and has become the Director of the [Institute for Mathematical Innovation \(IMI\)](#) – a large cross-campus initiative driving innovation and impact through mathematical research expertise – which works closely with SAMBa.

Our long-standing Mathematical Sciences department coordinator, **Myla Watts**, left her role over the summer. She also joins IMI and so we look forward to continuing to work with her.



It has been really exciting to welcome some of our SAMBa graduates back to Bath as lecturers this year. **Emiko Dupont** joins the statistics group, after postdoc stints at the universities of Edinburgh and Bath. **Federico Cornalba** joins the numerical analysis and data science group following time as a postdoc at the Austrian Institute of Science and Technology. Of course with their SAMBa training, they are well equipped to work across a broad research remit in the department and we are looking forward to working with them on many SAMBa activities.

## Congratulations to...

- **Tosin Babasola, Dan Burrows, Kevin Olding, Michele Firmo, Paolo Grazieschi, Eric Gutierrez Castillo, Yi Sheng Lim, Piotr Morawiecki, Marco Murtinu, Laura Oporto Lisboa, Carlo Scali, and Jeremy Worsfold** for passing their PhD vivas
- **Cecilie Andersen** who was awarded best talk at the BAMC conference
- **Tosin Babasola, Pawel Rudnicki, Jenny Powers, Carmen van-de-Isle** and **Pranav Singh** for receiving recognition awards from the Doctoral College
- **Josh Shelton** for winning the 2023 UKFN best fluid dynamics thesis
- **Pablo Arratia** for receiving the best poster prize at the Maths4DL conference.
- **Pablo Arratia** and **Beth Stokes** who won prizes for best talk and best poster, respectively at the SAMBa conference
- **Kat Phillips** who received LMS funding to support the [PhD Your Way](#) event
- **Carmen van-de-Isle** on receiving HEA fellowship
- **Marcel Ortgiese** and **Matt Roberts** who were awarded an [EPSRC grant](#) exploring the interplay between geometry and randomness in fitness landscapes for expanding populations
- **All of cohort 9**, who successfully completed their MRes training

## Contact Us

Keep in touch with SAMBa

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