

Experience of being an ATI Fellow

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**UNIVERSITY OF
BIRMINGHAM**

**The
Alan Turing
Institute**



Statistical Machine Learning

- **Computer Vision and Imaging (Andrew Blake)**
- **Genomics and Bioinformatics (Chris Holmes)**

Areas of interest

- **Statistical modeling**
- **Bayesian methodology**
- **Computational Statistics**
- **Biomedical research focus**



Revolutionise healthcare

Faculty Fellow (% Time Buyout)

- Applications restricted to ATI member universities only

Access to ATI resources

- Physical access to British Library HQ
- Funding (Pump-priming)
- Computing (MS Azure)
- PhD programmes (incl. Enrichment Scheme)


Professor Ganna Pogrebná
Warwick

Bio

Ganna is a decision theorist and a behavioral scientist. Before joining The Alan Turing Institute, she worked at the University of Innsbruck (Austria), the University of Bonn (Germany), Humboldt-Universität zu Berlin (Germany), University of Sheffield (UK), and Columbia University in New York (USA). She is currently a Professor of Behavioral Science at the University of Birmingham and a Research Fellow at Warwick Manufacturing Group (WMG) at the University of Warwick.

Research

Blending behavioral science, computer science, data analytics, engineering, and business model innovation, Ganna helps cities, businesses, charities, and individuals to better understand why they make decisions they make and how they can optimize their behavior to achieve higher profit, better social outcomes, as well as flourish and bolster their well-being. Her recent projects focus on smart technological and social systems, cybersecurity, human-computer and human-data interactions and business models.



ATI Faculty Fellow



ATI HQ



Annual competition for PhD students (now UK wide entry)

Spend a year at the Institute, same research, new environment

Supervisor commits to visiting “*at least once a month*”

My student joined the first cohort in Oct 2017

I just moved to Birmingham from Oxford at the time – “what to do???”



**Tammo Rukat
CDT PhD Student (Oxford)**

ATI Collaborating Fellow

Dr Christopher Yau
Collaborating Fellow

Bio

Christopher is a Reader in Computational Biology at the University of Birmingham. He received his undergraduate degree in Engineering at the University of Cambridge in 2004 and a D.Phil in Statistics from the University of Oxford in 2009. He was previously a Lecturer in Statistics at Imperial College London and Associate Professor in Genomic Medicine at the University of Oxford.

Research

His research is focused on issues related to the interpretation of high-dimensional data arising from modern molecular technologies and health systems and how such data can be used to give insights into the molecular basis of human disease particularly cancer. His efforts in this area span a spectrum of areas from core statistical and machine learning methodological research to wet lab-based experimental investigations to translational clinical research. He currently co-leads the Machine Learning Clinical Interpretation Partnership as part of the Genomics England 100,000 Genomes Project.



Student Perspective



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Opportunity to meet researchers from across the UK and beyond

Series of workshops and study activities

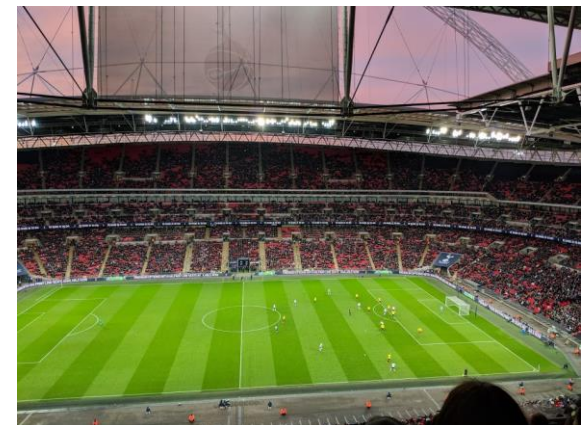
“Free” computing, travel support

Intensive, immersive environment

A true “enrichment” experience



Tammo speaking at the industry focused CogX conference



Watching Spurs at Wembley

Opportunity to visit and integrate with a nationally leading institution

(They paid for it)

Witnessed a real change in student development

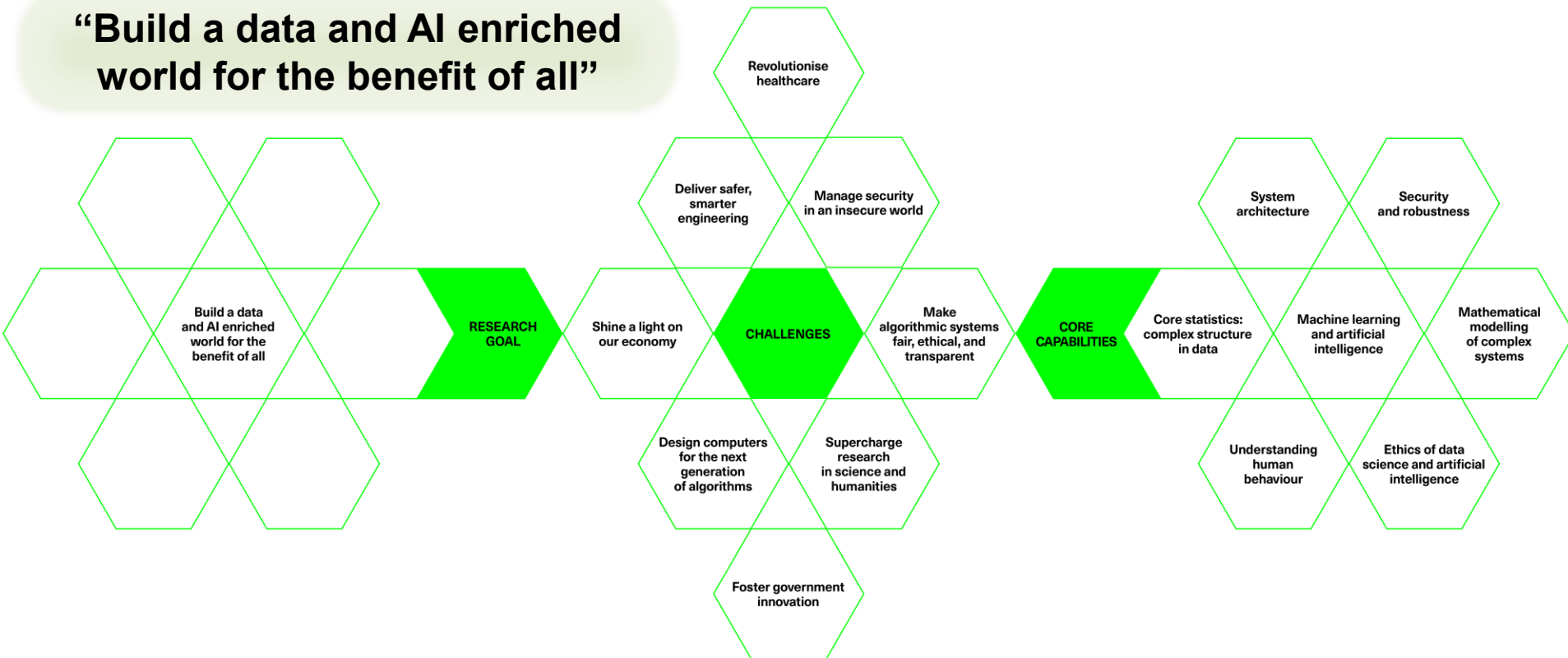
Connections and opportunities

- **Grant applications**
- **Input into AI/DS strategy**
- ...



My feet up on Tammo's desk

“Build a data and AI enriched world for the benefit of all”



Recognise the priorities of the ATI and how you fit

Maximise the opportunity by being proactive

You do not have to be a Fellow to be involved

Any questions please ask

There's an iPad connected to a coffee maker



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