



## NOKIA Bell Labs Summer Internships Cambridge 2018

The **Social Dynamics team** at Bell Labs Cambridge (UK) welcomes an interdisciplinary community of academics and practitioners to join the lab as visitors for a few months in its mission to explore the areas of Computational Social Science for the key themes of Urban, Health, and Culture; Complex Networks; Interaction Design; Data Mining; and Computer Vision.

### **Nokia and Bell Labs**

Nokia is a global leader in the technologies that connect people and things. Powered by the pioneering work of Bell Labs, our research division, we are at the forefront of creating and licensing the technologies that are increasingly at the heart of our connected lives. Bell Labs is a worldwide research and development community that focuses its efforts on key technologies. It is renowned as the birthplace of modern information theory, the transistor, the laser and the UNIX operating system.

### **Bell Labs Cambridge**

The Social Dynamics team works on the idea of a society empowered by digital data with the goal of finding solutions to real problems and contributing to generalizable knowledge. As part of the emerging research area of "Computational Social Science", we answer questions typical of social sciences using computational methods and produce long-term research (in very 'Bell Labs' style). Senior team members are Daniele Quercia ([www.researchswinger.org](http://www.researchswinger.org)) and Luca Maria Aiello ([www.lajello.com](http://www.lajello.com)).

### **Internship projects and requirements**

- **You are what You Eat** – Study food consumption data and their relationship with people well-being. Enrolled in PhD in Computational Social Science or related fields. Experience with Python, machine learning, network analysis.
- **The Social Life of Cities** – Investigate how the urban space shapes our social relationships. Enrolled in PhD in Computational Social Science or related fields. Experience with Python, GIS tools, network analysis.
- **The Health of the City** – Analyse fine-grained health data at city scale over time. Enrolled in PhD in Computational Social Science. Experience with Python, machine learning, time-series analysis, large-scale data analysis.
- **Your New Quantified Self** – Study multiple signals from quantified-self devices. Enrolled in PhD in Computational Social Science or related fields. Experience with Python and machine learning
- **"This is not gonna help you"** – Build web apps to collect psychological perceptions of people. BSc or above in Computer Science. Experience with frontend (HTML5, Javascript, D3) and backend (Django, SQL) development, design of simple Facebook apps. Interest in Computational Social Science.
- **Visual AI** – Creating new beautiful and elegant techniques to display and visualize the results of state-of-the-art artificial intelligence models. Experience with web design and frontend development (HTML5, Javascript, D3)

Please send your **CV and application letter** with the subject line "Internship 2018" to [daniele.quercia@nokia-bell-labs.com](mailto:daniele.quercia@nokia-bell-labs.com) by the **20<sup>th</sup> of January 2018**. You are welcome to drop us an email for formal enquiries.