Pepita Barnard, PhD

As a Human Factors Research Fellow addressing new technologies, my work is steeped in multiple disciplinary approaches. I am excited to develop research opportunities for trustworthy autonomous systems through strategic UK-USA collaborative relationships.

# EMPLOYMENT

2019 – present hUMan FACTors researcH FelloW – Horizon Digital Economy Research Institute, University of Nottingham

* TAS Hub and TAS Agile - Health and Well-being, Track & Trace
* Horizon Agile and Co-production - Connected Kitchen, MIDAS, SoDis, iCUBE, Future Festivals
* AHRC’s Coronavirus Discourses, researcher, public involvement facilitator
* Journal of Responsible Technology Special Issue, “Reflections on Responsible Research and Innovation for Trustworthy Autonomous Systems”, guest co-editor

2018 - 2019 hUMan FACTors researcher – Unitemps at University of Nottingham

* Exploring robot factors for the I-CUBE project, part of the University of Nottingham’s Smart Industrial Systems Beacon of Excellence

2014 – 2020 digital economy PhD CAndidate – Horizon CDT, University of Nottingham

* Researching young adults’ views about genomic data sharing spanning Computer Science, Engineering and Medicine
* Evaluation of information technology used on NUH NHS wards, HFRG
* Exploration of 16 and 17 year -olds’ views of sharing health information through smartphones and wearable devices – PEGASO project, HFRG

2014 - 2017 Director and Programme MANAGER – Seismic Consultancy Ltd.

* Consultancy and management for safety improvement projects
* Training in proactive diagnostic tools to improve medicines safety to NHS
* Informing projects and improvement activities in healthcare settings

2012 – 2014 Project Manager – Nottingham University Hospitals NHS Trust

* Primary investigator with financial responsibility for Safer Prescribing project
* Proactively address risk of harm to patients from medicines
* Develop prioritisation system for ward pharmacist
* Innovative methods to improve prescribing on hospital wards
* Co-create collaborative professional network to improve medicines safety across local health and social care organisations

2008 – 2012 careeR break – caring for my young children

2004 – 2011 medicines management project facilitator – NHS Derbyshire County

* Project manager for improvement work in Medicines management
* Facilitation of multi-disciplinary team meetings and learning events
* Dissemination of findings both locally and nationally
* Implement NHS Community Pharmacy contracts’ quality and safety governance framework

2001 – 2003 **Electronic Records Strategy Project Manager** – Secondment to Nottingham Acute Hospitals Partnership ICT Services, NHS Derbyshire County

* Specification development and Outline Business Case for e-records
* Assess IT systems and organisational readiness for implementation

2000 – 1995 **Mental Health Nurse (various positions)** – Community mental health nurse; Deputy Team Leader; Staff Nurse at Nottinghamshire Healthcare NHS Trust

* Care Programme Approach responsibility for patients experiencing serious mental health problems in the community
* Clinical supervision of nursing staff and leading service developments.
* Mental health rehabilitation in residential and community settings providing intensive support to people with serious mental health problems

1995 – 1995 Staff Nurse at Lincoln District Healthcare NHS Trust

* Mental health nursing care in medium-security forensic healthcare setting

# EDUCATION

2014 – 2021 PhD Digital economy– University of Nottingham

2002 – 2008 MSc Health services research – University of Nottingham

1999 – 2001 Bsc (Hons) Professional practice – University of Nottingham

1992 – 1995 Diploma in Nursing – Mid Trent College, accredited by University of Nottingham

Short courses project facilitation; proactive safety improvement; PRINCE2 Project management foundation-level; Cranfield School of Management’s benefits workshop; measurement for improvement; process planning and process redesign.

# Impact

**TAS ALL HANDS MEETING SEPT 2021:** Trustworthy Autonomous Systems to support healthcare experiences (TAS for Health) Project; interactive workshop.

**TAS-RUSI CONFERENCE ON TRUSTWORTHY AUTONOMOUS SYSTEMS JULY 2021**:

Trusting Machines? Cross-sector lessons from healthcare and security. TAS for Health Project; workshop-presentation.

**Big data in precision health 2019; medicine X|Ed2018; Medicine X 2017;** MEDICINE X 2016: Presentations and workshops at Stanford University, USA.

recent publicationS:

Public health messaging by political leaders: a corpus linguistic analysis of COVID-19 speeches delivered by Boris Johnson (2021) Research Report.

Young adults’ considerations for whole genome sequencing (2021) PhD thesis, University of Nottingham.

Young adults’ attitudes to sharing whole-genome sequencing information: a university-based survey (2019) BMC medical genomics 12(1) 1-9.