The 11th Annual Postgraduate Research Conference

Wednesday 4 December 2019

www.bournemouth.ac.uk/pg-conference
Welcome
TO THE 11TH ANNUAL POSTGRADUATE RESEARCH CONFERENCE 2019

This annual event highlights the wide range of postgraduate research taking place at Bournemouth University through a variety of platforms including, the traditional oral and poster presentations, and the newly introduced live research exhibition.

This year we have the pleasure of being joined by Professor Genoveva F. Esteban as the conference keynote speaker. Professor Esteban is an esteemed academic and experienced doctoral supervisor, you can read her full biography and keynote abstract on page 3. We also have the privilege of Deputy Vice-Chancellor Professor Tim McIntyre-Bhatty introducing our keynote and kicking-off the second half of the conference day.

We would like to thank the many individuals who contributed to the organisation, planning and running of the conference this year and of course to you for attending and showing your support to the ever expanding postgraduate research community, helping foster a positive and encouraging postgraduate research culture here at Bournemouth University.

We hope you find the conference interesting, engaging and inspiring. We look forward to sharing it with you.

Natalie, Thom & Enrica
Doctoral College Conference Team

OVER THE PAGE YOU WILL DISCOVER THE CONFERENCE PROGRAMME, FOLLOWED BY HEADLINE DETAILS OF EACH PRESENTER AND THEIR PRESENTATION TITLE.

TO VIEW FULL ABSTRACTS FOR THE LIVE RESEARCH EXHIBITION, POSTER AND ORAL PRESENTATIONS, SCAN THE QR CODE ON THE LEFT USING YOUR SMART PHONE TO BE DIRECTED TO THE CONFERENCE WEBPAGE WHERE ABSTRACTS CAN BE DOWNLOADED OR VISIT WWW.BOURNEMOUTH.AC.UK/PG-CONFERENCE.

(There are various FREE QR scanner apps available)

Sustainability
Discover the ways we have worked to improve the sustainability of the day:
• Reduced printing by using QR codes in the conference brochure to access abstracts
• Encouraged delegates to bring along their own [Doctoral College] reusable water bottle or hot drinks cup
• Free UniBus travel between Lansdowne and Talbot during the conference for delegates with tickets
• Printed posters will be reused throughout the year to showcase PGR research wider.

Share conference highlights on twitter using the hashtags #BUPGRConf19 | #BUDoctoralCollege

Event feedback
Each year we open an anonymous feedback form following the conference. This year to gain a richer picture of how the conference is being received this feedback form will be open throughout the day. To provide feedback on what you are enjoying or what you think could be improved please submit your feedback via www.bournemouth.onlinesurveys.ac.uk/bupgrconf19
**KEYNOTE BIOGRAPHY & ABSTRACT**

Professor Genoveva F. Esteban, Professor of Microbial Ecology, Department of Life and Environmental Sciences, Faculty of Science & Technology

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Professor Genoveva Esteban pursues strategic research in Biodiversity at the microbial level, having published over 110 peer-reviewed articles and chapters. Before joining BU in 2011, she was a senior scientist at the Natural Environment Research Council, and an academic at one of the Russel-Group universities. Genoveva has been a guest researcher at several European and overseas laboratories; has presented her research at over 90 international conferences; and has been part of more than 30 international scientific expeditions. Her scientific discoveries include several new species to Science; the first and only record of a microbial symbiotic consortium involving the three domains of life; and the demonstration that there are no physical barriers to microbial dispersal, which has important implications to our understanding of disease dispersal. Professor Esteban’s achievements have won her the Fellowship of the Royal Society of Biology, the Fellowship of the Zoological Society of London and of the Higher Education Academy. Genoveva is also a dynamic STEM Ambassador; her public-engagement work to promote science to schools and the public in general received a national award in the House of Lords, and she was also the runner up to the prestigious Society of Biology Science Communication Awards for Established Researchers.

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**Microscope madness – the excitement of public engagement with microbes**

From young children to nonagenarians, people go mad when they see living microbes on the microscope. Watching a multitude of ‘green slugs’ (i.e. the microscopic alga Euglena) in a small drop of water; a ‘giant’ amoeba sliding across the field of view, or a majestic pink ‘sausage’ (i.e. the ciliate Blepharisma) catching food with its oral cilia, is all too exhilarating for them to witness.

My presentation will showcase successful examples of interacting with the general public through microbes. One of the challenges is for children and their families to understand how to deal with something that is living but invisible to the naked eye. To solve this, I run hands-on, interactive activities at events and workshops where children, the general public and students are directly responsible of the event’s success. After a short briefing, they are fully in charge of handling harmless living protists, microscopes, slides, pipettes. They also learn how to identify protists by following simple identification keys.

I will also focus my presentation on how I promote aquatic sciences in schools, and how I organise public events in the local communities. Most recently, I have led the first Family Science Festival in the heart of Dorchester (Dorset) in collaboration with the County Museum, the Town Council and the local schools, which saw over 2,000 visitors. I will also give ‘tips’ of how to run a successful public-engagement activity.

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Scan the QR code above for Genoveva’s full profile.
<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>09:00</td>
<td>Registration &amp; Refreshments (FG19 &amp; FG06)</td>
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| 09:30  | Opening Remarks (FG06)                                               | Dr Fiona Knight & Dr Julia Taylor  
Doctoral College Academic Managers                           |
| 09:30 - 11:30 | Live Research Exhibition & Poster Presentations (FG06) | See page 5 for exhibition details and pages 6-7 for poster presentation list                                                                 |
| 11:30  | Break & Refreshments (FG06)                                          |                                                                                                                                          |
| 12:00  | Session 1 Oral Presentations (Create Lecture Theatre)                | Malika Felton (FHSS)  
Cardiovascular Responses to Slow and Deep Breathing in Healthy Pregnant and Non-pregnant Women                      |
|        |                                                                     | John Norman (FM)  
Physical literacy and climbing walls                                     |
|        |                                                                     | Adam Spacey (FHSS)  
A Critical Realist Evaluation of End of Life Care in Care Homes                           |
|        |                                                                     | Gemma Lovett (FST)  
The relationship between self-prioritization, reward-prioritization and emotion-prioritization effects                 |
| 13:00  | Lunch (FG06)                                                         |                                                                                                                                          |
| 13:45  | Keynote (Create Lecture Theatre)                                     | Microscope madness – the excitement of public engagement with microbes  
Professor Genoveva Esteban  
Professor of Microbial Ecology                                      |
|        |                                                                     | Introduced by Professor Tim McIntyre-Bhatty  
Deputy Vice-Chancellor                                                                 |
| 14:15  | Session 2 Oral Presentations (Create Lecture Theatre)               | Mary Hogarth (FMC)  
Magazines’ business strategies in the face of digital disruption: my evolving research journey                               |
|        |                                                                     | Chantel Cox (FHSS)  
IDENTify study: Supporting the identity needs of older people with frailty                                               |
|        |                                                                     | Paul Clarkson (FST)  
Frogs and Water rats: tales of the riverbank at Early Neolithic Boncuklu                                               |
|        |                                                                     | Giulia Levi (FHSS)  
Bridging societal divisions in post-Brexit referendum UK, learning from Bosnia                                             |
| 15:15  | Break, Refreshments & Poster Viewing (FG06)                         |                                                                                                                                          |
| 15:30  | Session 3 Oral Presentations (Create Lecture Theatre)               | Dana Seow (FM)  
The role of gender, culture and patriarchy in Asian women travel experiences                                                   |
|        |                                                                     | Bronwyn Sherriff (FHSS)  
Low back pain – which contextual factors can augment current treatment?                                                      |
|        |                                                                     | Raysa El Zein (FHSS)  
A feasibility study looking into coconut oil intake and cognition                                                              |
|        |                                                                     | Hamed Hamzeh (FST)  
FFMRA: A Fully Fair Multi-Resource Allocation In the Cloud Computing Systems                                                   |
| 16:30  | Break & Poster Viewing (FG06)                                        |                                                                                                                                          |
| 16:45  | Session 4 Oral Presentations (Create Lecture Theatre)               | Yzabellune Run Grueger (FM)  
Understanding the impact of labour standards: the case of Cambodian garment industry                                           |
|        |                                                                     | Aniebiet Ekong (FHSS)  
Challenges and facilitators to healthy eating in pregnancy: a systematic review                                                    |
|        |                                                                     | Chloe Casey (FHSS)  
Exploring the Wellbeing of Postgraduate Research Students at Bournemouth University                                             |
|        |                                                                     | Mark Bond (FMC)  
A Silent Voice: Exploring Practice as Research, Voice and Diversity                                                              |
| 17:45  | Closing Remarks (Create Lecture Theatre)                             | Closing Remarks (Create Lecture Theatre)  
Natalie Stewart  
Doctoral College Research Skills & Development Officer                                                                     |
| 17:45 - 19:30 | Drinks Reception, Networking and Canapes (FG06) |                                                                                                                                          |
Debora Almeida (FHSS, PhD)
Variability in human performance during infant CPR

A modified infant manikin with real-time feedback monitor, which was used during the study, will be available for delegates to try and practice their infant CPR skills. Deborah will guide you through the skill.

Denyse King (FHSS & FMC, EdD)
Towards more holistic clinical practice: exploring the impact of virtual reality learning environments on healthcare education

This live research exhibition offers delegates the opportunity to immerse in demos of the Virtual Reality Learning Environments (VRLE) being used for this research. Delegates can do this as a 3D experience using hands-free headsets, cardboard headsets (one hand used to hold) or to view the VRLE on iPads or laptops if they prefer a 2D experience instead.

Helen Danielle Slater (FST, PhD)
Voices in the Jungle

A sound installation and visual posters describing forest biodiversity and wildlife monitoring techniques.

Michael Barry (FM, PhD)
Social Identity Mapping as an innovative visual data collection technique when examining multiple group membership and the relationship between groups

Presenting examples of Social Identity Maps (SIM) for delegates to understand and visualise the method. Giving those who wish the opportunity to shape what their own social identity map might look like.

Richard Rowley (FST, MRes)
Use of Reflectance Transformation Imaging (RTI), High Dynamic Range Imaging (HDR), and Structure-from-Motion (SfM) for Recording and Analysing Tool-Marks in Wood

The live demonstration will show some photographic data acquisition and computational analysis techniques from this project. Delegates will be shown how photography and an eye-safe laser-scanner can be used to demonstrate how to acquire such datasets from sample artefacts, before using laptops to illustrate the sorts of measurements and analysis possible from the various methodologies.
Amna Altaf (FST, PhD)
Integrating Safety, Security and Human Factors Engineering in Rail Infrastructure Design and Evaluation

Chris Williams (FM, PhD)
PSRB’s in the UK and key events in the HE sector

Dan Hills (FMC, PhD)
I’m not wrong, you are! Personality types and their influence within UK advertising practices

Elecia Bethune (FM, PhD)
Real Time Resilience: An Integrated Approach to Tourism Destination Resilience

Emmanuella Onyinye Ejime (FM, PhD)
The Multi-channel Purchase Journey of a Complex Service: A comparison of UK and Nigeria Motor Insurance Consumers

Festus Adedoyin (FM, PhD)
Examining Causal Relationship between Energy Consumption, CO2 Emissions, Real GDP, Financial Development, Trade Openness, Urbanization and Tourist Arrivals to Small Island Economies Dependent on Tourism

Francesca Dean (FHSS, PhD)
Exploring the knowledge and provision of sport psychology services delivered to youth performers within professional youth football in England.

Giles Milner (FMC, EdD)
Levels of Learning in Work-based Learning

Hazel Tennant (FHSS, PhD)
Baby Friendly Initiative (BFI) implementation in a maternity organisation: What are the barriers, challenges and facilitators?

Hina Tariq (FHSS, PhD)
Validation and Evaluation of the Contracture Assessment Screening Tool: An Overview of the Project

Ismail Can Kurtuk (FM, PhD)
The Butterfly Effect of Decisions: Enhancement of Teaching Decision-Making in Project Management within UK Higher Education

Jack Dazley (FST, MRes)
Microbial food niche partitioning in fresh waters

Juliette Hecquet (FM, PhD)
Exploring the flow experience of yoga – a phenomenological study of contemporary yoga communities

Katie Thompson (FST, PhD)
African savanna elephant (Loxodonta africana) damage on large trees in a fenced reserve: Karongwe Private Game Reserve (KPGR), South Africa

Kelsie Fletcher (FHSS, PhD)
The momentum of Grounded Theory: Nursing research and new perspectives in disaster management
Louise Smith (FHSS, PhD)
What are the initial information needs of younger working age stroke survivors in stroke services and how can we determine the most appropriate ways to address these needs?

Marcia Amstelvina Saul (FMC, EngD)
N170 Components of Real and Computer-Generated Faces

Meera Patel (FM, PhD)

Michelle Thomason (FMC, EdD)
A Site of Conflict and Resistance: The impact of the 2014 Curriculum reform on A’ Level Media Studies

Mohammad Naiseh (FST, PhD)
Investigating explanations design principles in Health recommender systems from Healthcare professional’s perspective – a qualitative study

Ogochukwu Ann Ijezie (FHSS, PhD)
Quality of Life of Adults with Down Syndrome: A Systematic Review

Richard Rowley (FST, MRes)
An evaluation of Image-Based-Modelling for metrically recording cultural heritage subjects suitably to enable further use in geomatics, geoinformatics, and digital humanities

Sara Stride (FHSS, PhD)
Midwives’ experiences when women sustain severe birth trauma

Shepuya Famwang (FMC, PhD)
Audience perception of the role of the media in the Farmers Herders conflict in Nigeria

Shiva Shangari Manoharan (FHSS, PhD)
The physical and psychosocial (P&P) effects of a whole systems wellness (WSW) intervention for older adults living in care homes (CH). A feasibility- mixed method study

Sidra Shahid (FM, PhD)
Measuring Success and Sustainability in Project management: a case study quality education

Stephen Fordham (FST, PhD)
Using Long-Read Sequencing to Investigate Bacterial Genomes in a Clinical Setting

Thai Le (FM, PhD)
Convergence and heterogeneity in global diets

Varshini Nandakumar (FST, PhD)
Design of a Functional Electrical Stimulation Device Adaptive to Walking Scenarios

Victoria I. Adedeji (FST, PhD)
Return-sweep saccades in oral and silent reading

Yitian Lu (FM, PhD)
Firms Don’t Have to Marry University for Innovation: Causal Relationship Will Do!
Adam Spacey (FHSS, PhD)
A Critical Realist Evaluation of End of Life Care in Care Homes

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