

# MARIA SUELLA RODRIGUES

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## WORK EXPERIENCE

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**Research Fellow in Health Economics, *The University of Manchester*     June 2024 – Present**

- Collaborating with Prof. Katherine Payne on the economic evaluation of pharmacogenomic panel testing, including cost-effectiveness modelling and decision-analytic frameworks to inform NHS policy (*The PROGRESS study*).
- Working with Gabriel Rogers on Systematic Review and Network Meta-Analysis (NMA) of clinical outcomes in Inflammatory Arthritides.

**Centre Lead for the Northwest Health Economics group, *The University of Manchester*     June 2024 – Present**

**Research Support Service (RSS) Adviser (Methodologist), *NIHR*     June 2024 – Present**

**Research Associate (University of Strathclyde)     *May 2022 - June 2024***

- Working with Prof. Adam Kleczkowski at University of Strathclyde and Dr. Julia Touza at University of York on two NERC funded projects on Treescapes.
- Co-applied and won grant from Plant Health Centre of £39,998.
- Co-supervised an MSc dissertation at the University of York.
- Organised two-day workshop for policy makers and academics.
- Graduate teaching assistant in calculus (Undergraduate module).

**Research Assistant (University of Glasgow)     *March 2022 - April 2022***

Working with Professor Nicholas Hanley on a short term NERC project on payment for ecosystem services (PES) scheme design.

**Graduate Teaching Assistant(University of Glasgow)     *September 2017 - June 2021***

**Non-academic work experience**

**KCare Nursing Agency LTD,**

**Reading, UK - Consultant/Compliance Officer**

***July 2010 - November 2016***

## WORKING PAPERS AND PAPERS UNDER REVIEW

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- Implementing Models of Service Delivery for Pharmacogenetic Panel Testing in England: A Micro-costing Study (Joint work S. Gavan, S. Watson, G. Dalal, A. Mahboub-Ahari, J. McDermott, W. Newman and K. Payne)
- Continuing, Reducing, or Stopping Biological and Targeted Synthetic Drugs in Inflammatory Arthritis: Systematic review and Network Meta Analysis. (Joint work with G. Rogers, K. Payne, L. Lenzi)

- Optimising Dual Antiplatelet Therapy (DAPT) in Acute Coronary Syndrome (ACS) Patients Undergoing Percutaneous Coronary Intervention (PCI): Lifetime Health Gains and Costs of Genotype-Guided Strategy from the UK National Health Service Perspective. (Joint work with A. Mahboub-Ahari, J. Hilton, J. McDermott, W. Newman and K. Payne)
  - Disentangling farm animal health from farm animal welfare and information asymmetry: A case study on UK consumer preferences. (Joint work with N. Hanley and E. Sandorf)
- Won best PhD presentation at the Agricultural Economics Society (AES) annual conference (2021)
- Risky returns, infection levels and their role in shaping producer preferences for farm animal health and welfare in the UK. (Joint work with N. Hanley, A. Badger, B. Clark)
  - Resource Allocation: A general decision-making framework of woodland planting in the UK. (Joint work with A. Kleczkowski, T. Kleczkowski and J. Touza)

## POLICY PAPERS

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- Assessing long-term resilience of Scottish spruce forests to climate change and novel pests: Ips typographus as a case study. DOI: <https://doi.org/10.5281/zenodo.14265105> (Joint work with A. Kleczkowski, M. Blake & S. Steinke)

## EDUCATION

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### **PhD in Population and Ecosystem Health**

*October 2018 - March 2023*

IBAHCM, University of Glasgow, UK.

(Affiliated with Scottish Graduate Programme in Economics (SGPE), University of Edinburgh)

**Thesis title:** On the economics of producer and consumer preferences to farm animal health and welfare

### **MRes in Economics**

*September 2016 - September 2018*

Adam Smith Business School, University of Glasgow, UK.

### **Bsc(Hons) in Mathematics and Statistics (Part-time)**

*January 2021 - Ongoing*

Open University, UK.

### **BSc(Hons) in Economics**

*September 2011 - August 2014*

University of Lancaster, UK.

## ACADEMIC AWARDS AND GRANTS

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- Plant Health Centre grant (2023)
- Best PhD presentation AES (Agricultural Economics Society) annual conference (2021)
- Associate fellowship in Developing as a Teacher in Higher Education course (DAT-HE) (2020)
- Wellcome Trust PhD Studentship (2018 - 2022).
- ESRC Festival of Social Science (2019)
- University of Glasgow MRes Studentship (2017- 2018).

## TEACHING EXPERIENCE

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### **Graduate Teaching Assistant (UoG)**

*2017- 2021*

Teaching Computer Labs and Seminars/Tutorials for:

- Economics 1B (1st year Macroeconomics, Undergraduate module)
- Economics 2A: Mathematics (2nd year Microeconomics, Undergraduate module)
- Economics 2B: Statistics (2nd year Macroeconomics, Undergraduate module)
- Econometrics (Undergraduate (Hons) module)
- Behavioural Economics ( Undergraduate (Hons) module)
- Econometric methods for Business ( Postgraduate module)

#### **Teaching Assistant (UoStrath)**

*2022- 2023*

- Calculus (Undergraduate module)

#### **SHORT COURSES/SUMMER SCHOOLS**

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- Decision Modelling for Health Economic Evaluation, Centre for Health Economics, University of York (2024)
- Dynamic games in environmental economics (PhD mini course), University of Oslo (2021)
- Short course on Agent-based modelling for social research, ERC Bayesian Agent-based Population Studies project team, based at the University of Southampton and the University of Rostock (2020)
- Advanced choice modelling course, Choice modelling centre, University of Leeds (2020)
- Economics of sustainable development, University of Edinburgh (2019)
- Choice modelling and survey design, Choice modelling centre, University of Leeds (2018).

#### **PROFESSIONAL ACTIVITIES/ACADEMIC SERVICE**

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##### **Referee for academic journals, including:**

Frontiers in Ecology and Evolution, International Journal of Pharmacy Practice

##### **Conference Presentations and Seminars**

- Ulvon environmental economics conference 2023, Sweden *June 2023*
- ISESSAH international conference 2023, Finland *June 2023*
- Treescapes conference 2023, UK *June 2023*
- Royal Geography Society (presentation) *September 2021*
- Universities Federation for Animal Welfare (UFAW) (poster) *June 2021*
- University of Newcastle (seminar) *May 2021*
- Scottish Graduate programme 2021 (presentation) *May 2021*
- AES Agricultural Economics Society annual conference (presentation) *March 2021*
- University of Glasgow IBAHCM (seminar) *February 2020, December 2019*

##### **Event organiser**

- Seminar organiser (weekly) *September 2019 - October 2020*  
Institute of Biodiversity, Animal Health and Comparative Medicine (IBAHCM)
- Writing club host (thrice weekly) *April 2020 - April 2021*  
Institute of Biodiversity, Animal Health and Comparative Medicine (IBAHCM)

## **SKILLS**

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Languages: English(Native), Hindi(Proficient), Greek(Beginner), Portuguese(Beginner), Korean(Beginner)

Programming skills & Econometric Software: Stata, Eviews, R, Shiny apps in R, Julia, Latex, NGene, SPSS, Minitab, Maxima, Matlab, Survey software (Qualtrics, Sawtooth)