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## Plan Overview

*A Data Management Plan created using DMPonline*

**Title:** Development of Research Partnership in Hypertension Assessment with Smart E-textile Wearable Technology (RPHA)

**Creator:** Henry Li

**Project Administrator:** David Blundell

**Affiliation:** University of Manchester

**Funder:** Natural Environment Research Council (NERC)

**Template:** NERC Template Customised By: University of Manchester

### Project abstract:

This project aims to develop new international partnerships and networks between UK and Taiwan in the area Medical & health interface (environment & health) for the purpose of underpinning the development of long-term sustainable collaborations in hypertension assessment. The focus of the project will be on assessing the dynamics of hypertension development for predicting health risks and promoting health management of hypertension patients by modelling and simulating human blood circulation and thermoregulation system and its interaction with environments and developing innovative smart e-textile wearable monitoring system (SEWMS). The cross-disciplinary research team in advanced materials and wearables (Prof. Yi LI, PI) and cardiovascular sciences (Prof. Xin Wang, Co-I) in University of Manchester (UK) will develop long term partnership with the research team in biomedical engineering (Prof. Chuang-Chien Chiu, PI, Feng Chia University, Taiwan, ROC) and clinical practice (Dr. Shoou-Jeng Yeh, Associate-I, Taichung Cheng-Ching General Hospital, Taiwan, ROC).

**ID:** 74857

**Start date:** 01-11-2021

**End date:** 31-10-2022

**Last modified:** 30-03-2021

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# Development of Research Partnership in Hypertension Assessment with Smart E-textile Wearable Technology (RPHA) - Outline DMP

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## Manchester Data Management Outline

1. Will this project be reviewed by any of the following bodies (please select all that apply)?

- Funder

2. Is The University of Manchester collaborating with other institutions on this project?

- Yes - Part of a collaboration and owning or handling data

UoM team will collaborate with the PI in Feng Chia University, Taiwan.

3. What data will you use in this project (please select all that apply)?

- Acquire new data

4. Where will the data be stored and backed-up during the project lifetime?

- University of Manchester Research Data Storage Service (Isilon)

5. If you will be using Research Data Storage, how much storage will you require?

- 1 - 8 TB

6. Are you going to be working with a 3rd party data provider?

- No

7. How long do you intend to keep your data for after the end of your project (in years)?

- 0-4 years

### *Questions about personal information*

Personal information, also known as personal data, relates to identifiable living individuals. Special category personal data is more sensitive information such as medical records, ethnic background, religious beliefs, political opinions, sexual orientation and criminal convictions or offences information. If you are not using personal data then you can skip the rest of this section.

Please note that in line with [data protection law](#) (the General Data Protection Regulation and Data Protection Act 2018), personal information should only be stored in an identifiable form for as long as is necessary for the project; it should be pseudonymised (partially de-identified) and/or anonymised (completely de-identified) as soon as practically possible. You must obtain the appropriate [ethical approval](#) in order to use identifiable personal data.

**8. What type of personal information will you be processing (please select all that apply)?**

- No sensitive or personal data

**9. How do you plan to store, protect and ensure confidentiality of the participants' information (please select all that apply)?**

- Not applicable

**10. If you are storing personal information (including contact details) will you need to keep it beyond the end of the project?**

- Not applicable

**11. Will the participants' information (personal and/or sensitive) be shared with or accessed by anyone outside of the University of Manchester?**

- Not applicable

**12. If you will be sharing personal information outside of the University of Manchester will the individual or organisation you are sharing with be outside the EEA?**

- Not applicable

**13. Are you planning to use the personal information for future purposes such as research?**

- No

**14. Who will act as the data custodian for this study, and so be responsible for the information involved?**

Prof. Henry Yi Li

**15. Please provide the date on which this plan was last reviewed (dd/mm/yyyy).**

2021-03-30

## Outline DMP

**Project Title**

Development of Research Partnership in Hypertension Assessment with Smart E-textile Wearable Technology (RPHA)

**Principal Investigator(s) / Grant Holder**

Prof. Henry Yi Li

**Will the grant produce data?**

- Yes

**Nominated Data Centre(s)**

- Other e.g. Archaeology Data Service

Scientific data from modeling and simulation and e-textile wearable development testing.

**Briefly list the datasets that the project will produce. If the total is likely to be larger than 1TB please indicate.**

Scientific data from modeling and simulation and e-textile wearable development testing.