

AU Status

Undergraduate or PG Taught

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Full Name

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Please enter the name of the person responsible for reviewing your assessment.

Reyer Zwiggelaar

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Supervisor or Institute Director of Research Department

cs

Module code (Only enter if you have been asked to do so)

CS39440

Proposed Study Title

Video Tracking and Data Analysis Software for Analysing Group Behaviour in 2D videos

Proposed Start Date

29/01/2018

Proposed Completion Date

04/05/2018

Are you conducting a quantitative or qualitative research project?

Mixed Methods

Does your research require external ethical approval under the Health Research Authority?

No

Does your research involve animals?

Yes

Does your research involve human participants?

No

Are you completing this form for your own research?

Yes

Does your research involve human participants?

No

Institute

IMPACS

Please provide a brief summary of your project (150 word max)

The aim of the project is to analyse the behaviour of fish in videos taken over few weeks to try to find out about collective learning among the group members. During this time, the fish were tested to see if they can associate a dipole (buzzer or light source) with food. In the project I want to use video tracking to see the movement patterns of fish, the possible grouping of the school of fish, their speed to then later analyse it and

recognise collective behaviour and collective learning. The data drawn from the experiment will give a new view of the behaviour of animals, treating them not individually, but as a group.

Where appropriate, do you have consent for the publication, reproduction or use of any unpublished material?

Not applicable

Will appropriate measures be put in place for the secure and confidential storage of data?

Yes

Does the research pose more than minimal and predictable risk to the researcher?

Not applicable

Will you be travelling, as a foreign national, in to any areas that the UK Foreign and Commonwealth Office advise against travel to?

No

Please include any further relevant information for this section here:

If you are to be working alone with vulnerable people or children, you may need a DBS (CRB) check. Tick to confirm that you will ensure you comply with this requirement should you identify that you require one.

Yes

Declaration: Please tick to confirm that you have completed this form to the best of your knowledge and that you will inform your department should the proposal significantly change.

Yes

Please include any further relevant information for this section here: