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 AWARDEE REPORT FORM

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| NAME | Roisin Ryan |
| TWITTER HANDLE\* *optional* | N/A |
| UNIVERSITY | University College Dublin  |
| NAME OF AWARD | Barclay-Smith Travelling Fund 2024/25 (Round 1)  |
| PURPOSE OF AWARD *conference/event attended/organised (full name) with city and dates.* |
| For attendance and poster presentation at the Anatomical Society Winter Meeting, University of Central Lancashire (UCLan), 6th to 8th January 2025 |
| REPORT: What were your anticipated benefits?*Minimum number of words between 200-400. Please write in coherent paragraphs.* |
| As I had been awarded an Anatomical Society Undergraduate Summer Vacation Research Scholarship, I attended the AS Winter meeting in UCLan to present a poster of the project I had worked on throughout the previous summer. I anticipated that this would give me great experience in both condensing research into a poster format and presenting research to others with both prior and no knowledge on the topic. By doing this, I hoped that I would learn new skills on presenting through gaining experience and through receiving feedback from others. I knew that presenting my work to external specialists in anatomical sciences would be invaluable. This would benefit me in the future as I intend on continuing research throughout my career. As this was the first conference I have ever attended, I anticipated that the experience of the whole event would give me many benefits that I could apply to my future. As someone with an interest in pursuing a career in research, I knew that having the opportunity to experience and present at a conference such as this one, as an undergraduate student, would bring lots of benefits. The experience of talking with a range of people and getting to hear about the current research into the anatomical sciences, particularly into anatomical education and imaging, would be invaluable for my future in this career path. I also hoped that I would get to meet the other Undergraduate Summer Vacation Research Scholarship awardees and hear about their summer research. Both hearing about their experiences and knowledge would be a huge benefit to me for a multitude of reasons. The benefits of a networking opportunity like this would also allow me to broaden my horizons in the anatomical sciences.   |
| COMMENTS: Describe your experience at the conference / lab visit / course / seminar/ event.*Minimum number of words between 200-400. Please write in coherent paragraphs.* |
| Overall, my experience at the AS Winter meeting exceeded my expectations. While I expected to be extremely overwhelmed due to it being my first conference and still in the middle of my undergraduate degree programme in Ireland, I found the experience to be both accessible and extremely interesting. There was a welcoming atmosphere throughout the three-day duration which allowed me to connect with others. On the first day, I was able to attend two workshops: one on CT Imaging & Education where I was able to learn how to use PACS software which I will be able to implement into my studies and the second one was on trauma resuscitation where I learnt keys steps in interpreting chest radiographs through clinical examples. In these workshops, I was able to work with others and make connections with other researchers. I then was able to present my poster that evening during the poster session where I gained experience in adapting the way I communicated my research depending on the knowledge the person I was presenting to already had. I presented my summer research project ‘How does hip joint size and morphology influence the risk of avascular necrosis in the paediatric hip?’ and was able to get feedback from others for the future of the project. I also was able to meet some of the other Undergraduate Summer Vacation Research Scholarship recipients that evening and hear about their research from the summer. The second day was filled with many talks on various topics from using synchrotron X-ray CT to the opportunities available in research with the Dutch fetal biobank to the use of aortic ultrasound phantoms for education. All the talks on this day opened my mind to the various research that is being conducted currently in the area of anatomical sciences. On the third and final day of the conference, I was able to hear more about current research in the anatomical sciences. Specifically, many talks focused around 3D modelling where I learnt about how 3D models can be created using both scanned data and from scratch, the various ways these models can be shared (e.g. through interactive pdfs) and the ways 3D models can be used (e.g. metric analysis, learning through interactive art events). Throughout the conference, I was able to socialise and make connections with others interested in anatomical sciences which was a great experience as I had attended the conference on my own with little prior connections to others interested in this area of science. I met some lovely people from various international universities, both undergraduates and not, who I will be able to stay in contact with and with whom I look forward to crossing paths in the future.  |
| REPORT: In relation to skills, what were the most important things you gained? *(does not apply to equipment grant.* For public engagement/outreach awards what did your audience gain and how did you evaluate success?*Minimum number of words between 200-400. Please write in coherent paragraphs.* |
| The overarching skills gained revolved around the fact that this was my first time attending a conference, particularly an international conference. Firstly, I was able to develop presentation and communication skills during the poster session and throughout the conference. While I had presented my research from this particular project before, I had never had the opportunity to present to such a wide variety of individuals with a wide variety of knowledge and research experience. I was able to develop adaptable communication skills depending on the prior knowledge a person had on my research topic and learnt the most effective ways to communicate research to others. I developed the skill to be able to bring up my own research to others and to listen to, think about and question others research. Through attending the various workshops and presentations, I was able to develop critical thinking skills. In the workshops I was taught how to use new software to look at CT scans and how to interpret chest radiograph in a clinical setting which directly developed my critical thinking skills. It also gave me new learning skills which I can directly implement into my learning. Through listening to the various presentations, I developed critical thinking skills by considering how other current research could compliment the research I had done during the summer and how I could improve the research I have done.Finally, I gained networking and interpersonal skills throughout my time at the conference. I was able to talk with many people throughout the three days, both students and not, and I was able to create connections with others. I gained skills in being able to approach and talk to peers and other academics which is invaluable when it comes to expanding my knowledge and potential.  |
| REPORT: How do you think you will put this learning experience into practice in the future? For public engagement/outreach awards how with the materials/knowledge generated by this activity be used in the future?*Minimum number of words between 200-400. Please write in coherent paragraphs.* |
| At present, I have a year and a half left in my undergraduate degree. The various knowledge and skills obtained through the workshops and presentations will be invaluable as I continue my learning. I learnt about various anatomical educational software and techniques with will be of great benefit in the remainder of my course. I have also gained extensive knowledge on the current research in anatomical sciences which will be extremely useful to aid my degree learning. As I hope to go on and do a PhD and continue down the path of research, the experience of going to the conference as a whole will be useful for me in the future. I hope to be able to attend many more conferences in the future and the interpersonal skills I gained will be very useful. Having had the opportunity to present a poster at this conference has given me amazing experience and some confidence in my presentation skills that I will be able to implement in the future if/when I have more opportunities to present research to colleagues and academics.  After taking in the various other posters on display and hearing other people present their research and ideas, it has given me more insight into ways in which I could create posters in the future and share knowledge with others. For example, some of the talks given described how anatomical education can be conducted for the public through different events which I found very interesting and would be useful in the future when thinking about the most effective ways to share knowledge to people of various backgrounds. Finally, while I knew I had a big interest in research in the future, having now attended this conference and having had such a great experience, I have cemented that this is the type of career I would like to do in the future. In the future I hope to research but also share and gain new knowledge with others to develop our understanding of both anatomy and other sciences.  |
| Data Protection/GDPR: I consent to the data included in this submission being collected, processed and stored by the Anatomical Society. Answer YES or NO in the Box below |
| YES |
| Graphical Images: If you include graphical images you must obtain consent from people appearing in any photos and confirm that you have consent. A consent statement from you must accompany each report if relevant. A short narrative should accompany the image. Answer N/A not applicable, YES or NO in the box below |
| N/A, Photo provided shows myself (Roisin Ryan) with the poster I presented at the conference. |
| Copyright: If you submit images you must either own the copyright to the image or have gained the explicit permission of the copyright holder for the image to be submitted as part of the report for upload to the Society’s website, Newsletter, social media and so forth. A copyright statement must accompany each report if relevant. Answer N/A not applicable, YES or NO in the box below |
| N/A |
| SIGNATURE | ROISIN RYAN  | DATE | 13-Jan-2025 |

*If submitted electronically, a type-written name is acceptable in place of a hand-written signature*

*File: AS-Award-Report-Form-171023 – International Conference*