2023 LAIDLAW SCHOLARS

Aditya Jindal

Business

Globalised Workplaces: Exploring Attitudes Towards Cultural Diversity in the Graduate Workplace

This project will explore attitudes toward cultural diversity within complex graduate employers to help shape our understanding of current perceptions and attitudes. The work involves producing a literature review and a research poster on the findings.

Alice O'Neill

Biological Sciences

Optimizing on Farm Feeding Strategies as a Means to Reduce Environmental Impact of Pig Pollution

Review the literature around how the methods of feeding pigs could be optimised to increase efficiency and reduce environmental impact and sustainability. The vision is to use scientific research to find the theoretically best option, while considering the logistics of implementing these changes in real life.

Amarni Newman

Biological Sciences

Mussel Memory: How Do the Traits of Invasive Freshwater Mussels Change Over Time and Space?

Invasive freshwater species cause socioeconomic impacts across the globe. This project aims to increase our understanding of how different abiotic factors - climate change, in particular - affect how strongly these species damage native ecosystems.

2023 LAIDLAW SCHOLARS

Angelos Koutsoukos
Engineering and Physical Sciences
Chargepoint Infrastructure Planning For Electric Vehicles
This project aims to optimise public en route and end-of-route charging solutions, focusing on sustainability in infrastructure design, chargepoint usage, user needs, and equal access. The work includes an evaluation process of chargepoint configurations such as on-street charging, charging hubs, and balancing between slow, rapid, and ultra-rapid chargers, based on local and regional data like traffic flow, electricity network capacity, and housing density.

Arron Thompson
Engineering and Physical Sciences
Capturing Motion Capture Data for Analysis of Movement for Stroke Patients Whilst Performing Robotic Rehabilitation
This project entails the research of different measurement modalities for motion capture in order to determine suitable setups and systems for home rehabilitation software. This can then be used to measure effectiveness of movement as well as target areas for improvement.

Blanche Tobiko
Business
Developing Student Skills in Reflection
This project will identify key challenges that students face when engaging with reflective tasks and further develop support that will increase their engagement. The work will involve comprehensive data analysis of various literature as well as questionnaires sent out to students.

2023 LAIDLAW SCHOLARS

Elena Law
Biological Sciences
Bees, Pesticides and Insect Declines: Defining the Sublethal Effects of Pesticides on Honeybees
This project investigates how agricultural pesticides may affect longevity, cognition, stress response and reproduction in honeybees. The aim is to better understand mechanisms behind colony declines, and to contribute to research supporting bans on certain pesticides toxic to bees.

Elizabeth Stanton
Arts, Humanities and Cultures
How Have the Attitudes of Young South Koreans Towards Government and Politics Changed in Recent Years?
Investigating the impact of events, such as the Sewol ferry tragedy and Itaewon crowd crush, on the relationship between South Korea's youth and their government. The research will particularly look at the sense of apathy and distrust between the Korean youth and government.

Grace Nash
Social Sciences
Thinking Inside the Box: A Pedagogical Journey
For my research, I conducted interviews on the student-led project, 'Thinking Inside the Box' (TITB). From these interviews, I will explore how TITB's pedagogical approach supported students to maximise their content-learning and apply their learning contextually whilst also allowing them to practice ownership and autonomy in designing their own authentic learning experiences and skills-development.

Hazel Maris
Social Sciences
Friendship as a Method
This project analyses university teaching by utilising alternative pedagogical methods to critique the Westernised university structure, and reflexively discusses the efficacy of a new learning model that centres education around group work and "decolonised learning". The research involves interviewing multiple groups affected, including students, stakeholders, staff and university education board members, as well as researching national archives of colonial countries to begin to decolonise this Western historic narrative.

Isabel Westbrook
Arts, Humanities and Cultures
To What Extent Does Multilingualism Encourage Global Social Activism?
This research aims to see if multilingualism in any way encourages global social activism, so that it can be focused upon more in schools to involve future generations in solving global social issues. The work will involve completing a literature review, issuing surveys and conducting focus group interviews to gather primary data.

Jyotiraditya Vaghela
Business
So, What's Your Plan? Exploring the Career Planning Needs and Behaviours of Widening Participation (WP) Postgraduate Taught (PGT) Students
This research involves interviewing a series of focus groups across a consortium of six Higher Education Institutions (HEIs) based within the UK, to explore the career planning needs and behaviours of Widening Participation (WP) Postgraduate Taught (PGT) students.

Lily Else
Medicine and Health
Thinking Inside the Box: A Pedagogical Journey
This project investigates whether archives can be used as a pedagogy of liberation by understanding the impacts and experiences of students, staff and stakeholders involved in the project on struggle and solidarity of Latin America in 1973. This can then lead to alternative teaching that contrasts the standard neoliberal university structure.

Poppy Davey
Social Sciences
How Are Different Social Groups Who Experience Domestic Abuse Treated Differently by the Criminal Justice System in England and Wales?
This project aims to assess how the criminal justice system interacts with domestically abused women from different social groups – specifically BAME, LGBTQ+ and the disabled communities. It considers how these groups' experiences differed through breaking as they interacted with different parts of the criminal justice system and attendant services - into the police, courts, and other services (such as shelters and refuges), alongside considering the differential nature of domestic abuse for each social group.

Ryan Oatley
Engineering and Physical Sciences
Nanoparticle-Based Therapeutics to Combat Multidrug Resistance and Biofilms in Chronic Wound Infections
This project aims to develop a hydrogel wound dressing with gold nanoparticles for light-activated antibiotic release and photothermal heating. The research shows promising results in eradicating bacteria and biofilms in chronic wound infections, offering potential improvements in treatment.

Sebastian Glasper

Arts, Humanities and Cultures

Understanding the Role of Social Media Communication in Older Adults (ages 65+) Experience of the COVID-19 Pandemic

This research project is an interdisciplinary study focusing on the role of social media communication in older people's lives and its potential to mitigate loneliness. The project aims to conduct a qualitative survey to anonymously gather older people's feelings and thoughts on loneliness in relation to their social media usage, aiming to identify both positive and negative impacts and raise awareness about this issue, particularly in light of increased loneliness rates among older adults post COVID-19 pandemic.

Soluna Stojanovska

Engineering and Physical Sciences

Embedding Sustainability in Engineering Education

The objective of this research is to identify existing knowledge gaps and emerging trends in embedding sustainability in engineering education worldwide. The work involves undertaking a comprehensive literature survey where data is collated from several electronic databases and analysed to identify different approaches and strategies for the delivery of a sustainable engineering curriculum in higher education.

Stella Grover

Arts, Humanities and Cultures

Identifying South Asians in the French Resistance

I will be using archival materials from Parisian military and colonial museums to identify colonial subjects of the French Empire who contributed to the French Resistance Movement. The aim of this project is to contribute to Nina Wardleworth's extensive research in decolonising and diversifying the narrative of the Resistance in order to create a history more representative and accurate.

2023 LAIDLAW SCHOLARS

Vaibhav Pramode Nair
Environment
Surveillance Technology in Conservation: Balancing Biodiversity Benefits with Human Costs
This project carries out qualitative research, primarily in the form of semi-structured interviews with world-leading academics and practitioners involved with the use of surveillance technologies for the conservation of biodiversity globally, in order to draw out themes of interest and to explore common concerns regarding the human data collected by these technologies. Also briefly explored are thoughts on AI/ML within conservation and the advancement of surveillance technologies, and what effects that may have on the rate and quality of human data collected.

Mallika Khaturia
Social Sciences
Assistive Technology for Disabled Children and Adolescents
In 2022, the Global Alliance of Assistive Technology Organizations (GAATO) published a long-list of 39 Assistive Technology (AT) outcome 'Grand Challenges'. This research project is concerned with the measurement of assistive technology outcomes and impact at the individual level as well as three of the grand challenges.

Adrianna Montgomery
Medicine and Health
Evaluating Interdisciplinary 'Welcome, Induction, and Transitions' Support in the Undergraduate Curriculum
This research aims to study the different backgrounds of students and looks at decolonising education. It evaluates the impact this has on the undergraduate curriculum and how it can be improved.

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Megan Shaw
Social Sciences
The New Far Right and Its Uses of the Past: Comparative Case Studies from the UK and Argentina
This project will uncover how narratives and symbols of the past are used by the far-right to construct an identity, mobilise support and drive their political agendas. The work includes creating a guided teaching resource with primary and secondary sources and organising a symposium for knowledge exchange with academics and organisations.

Neil Sadarangani
Social Sciences
Assessing the Outcomes of Assistive Technology for Disabled Children and Adolescents. Is it Time for a New Approach?
In 2022 The Global Alliance of Assistive Technology Organizations (GAATO) published a long-list of 39 Assistive Technology (AT) Outcome 'Grand Challenges'. This research project is concerned with the measurement of assistive technology outcomes and impact at the individual level.