













**Trinity College Dublin**  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin













**Laidlaw Undergraduate  
Leadership and Research Programme  
2025 Scholars**

Laidlaw Scholar	Programme	Research Project Title	Supervisor(s)
<p>Anand Shukla-Parekh</p> 	Philosophy	An Evaluation of the Compatibility of Transformative Medical Procedures and Informed Consent	Dr Farbod Akhlaghi
<p>Ben Kieran-Glennon</p> 	Law and Political Science	Legislative Responses to ECHR Violations	Dr David Fennelly
<p>Bhadra Panicker</p> 	Law and Business	Motherhood on Trial: A Comparative Analysis of the Miscarriage of Justice in Infanticide Cases	Dr David Prendergast, Ms Lynn Clarke-Hearty
<p>Ellen Duggan</p> 	English Studies	Climate Apocalypse! Engagement with the Climate Crisis through Apocalyptic and Post-Apocalyptic Fiction	Dr Mark Sweetnam
<p>Joshua Tickner-Bellau</p> 	Spanish and French	An exploration into the positive impact of social enterprise on displaced adolescents and their families from Venezuela, in collaboration with the Suenos y Huellas Foundation in Medellin	Dr Catherine Leen, Dr Rachel Hoare

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<p>Ruby Murphy</p> 	English Literature and Philosophy	Representation of Magdalen Laundries in Literature 1914-2024: How do we respond to cultural trauma in Irish literature? Can literature express the unsaid?	Dr Paul Delaney
<p>David Smith</p> 	Engineering with Management	Industry 5.0 - Machine Learning for CNC Machine Tool Health Monitoring.	Prof Garret O'Donnell
<p>Neasa Nic Corcráin</p> 	Environmental Science and Engineering	Investigating the link between endocrine-disrupting chemicals (EDCs) in menstrual hygiene products and hormonal health and awareness through a social justice paradigm	Prof Laurence Gill, Prof Joseph Roche
<p>Beatrice Wharton-Hood</p> 	Mechanical and Manufacturing Engineering	Investigating the implementation of nanomaterials in perovskite solar cells and their ability to enhance the cell's stability, efficiency, durability and large-scale application	Dr Amir Pakdel
<p>David Elcock</p> 	Chemical Sciences	Taking a Sneak Peek at Nature's Chemistry Notes on Photosynthesis	Dr Aidan McDonald

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<p>Ishna Tripathi</p> 	Physical Sciences	Cloudy with a Chance of Moons	Prof. Johanna Vos
<p>Liam Power</p> 	Computer Science and Business	What are the key barriers preventing small and medium enterprises in Ireland from adopting artificial intelligence tools in their workflows, and how can these be addressed to facilitate smoother implementation?	Assistant Prof. Gaye Stephens
<p>Rachel Ranjith</p> 	Computer Science and Business	Developing a Behavioural and System-Level Tool to Detect AI-Generated Content in Academic Writing	Dr Hitesh Tewari, Dr David Lewis
<p>Rwan Hashim Elmileik</p> 	Computer Science and Business	Exploring the outlook on facial recognition technology's forensic applications in the EU	Prof. David Lewis, Dr P.J Wall
<p>Sarah Jane Smith</p> 	Environmental Science and Engineering	A toolkit for the conservation of grazing sites: Restoring Old Irish Goat herds to mitigate fire risk	Dr Jamie Waterman, Dr Marcus Collier

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<p>Shengxin Chen</p> 	Computer Science	Blockchain Oracle-Based Reinforcement Learning for Dynamic Carbon Trading	Assistant Prof. Hitesh Tewari
<p>Vincent Lin</p> 	Economics and Mathematics	Numbers Under Fire: Investigating the Impact of Anti-Maths Media on Third-Level Education	Dr Adam Keilthy
<p>Anna Morris</p> 	Pharmacy	Identifying and overcoming barriers to environmentally sustainable practices in community pharmacy	Associate Prof. Sheila Ryder
<p>Hammad Siddiqui</p> 	Medicine	Understanding and overcoming Mycobacterium abscessus-mediated autophagy block and investigating therapeutic approaches to restore autophagic flux to improve pharmacological intervention for Mycobacterium abscessus-related disease	Prof. Joseph Keane, Dr Mary O'Sullivan
<p>Paul McConkey</p> 	Medicine	Assess the cerebral vascular function before and after an acute HIIE vs MICE session and its association with cognitive function and cardiorespiratory fitness in untrained individuals with type two diabetes mellitus	Dr Mikel Egana (Associate Professor), Dr Norita Gildea (Assistant Professor) and Dr Max Weston (Post-Doctoral Researcher)

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<p>Ethan McCarthy</p> 	Political Science and Social Policy	Who is Going to Win the AI Race.....Safely? Creating a Composite Index with Innovation and Regulation in Mind to Encourage Safer National Strategies	Dr Raj Chari
<p>Eva (Evie) Kramer</p> 	History and Political Science	Leading or Leaving? Uncovering the Emotional Perceptions Preventing Politically Engaged Irish Women from Running for Office	Associate Prof. Gizem Arikan
<p>Milla Li</p> 	Political Science and Economics	The grass isn't greener on 'the others' side: a study of the integration of Swedish immigrants based on unequal access to public green spaces in Stockholm	Dr Davide Romelli
<p>Dearbhaile Ní Dhúill</p> 	German and Russian	The participation of refugees and asylum seekers in Irish local elections	Dr Rachel Hoare
<p>Meabh Ní hÉalaithe</p> 	Geography and Geoscience	Characterizing the clasts in the brecciate vent agglomerate in Carlingford, leading to determining the emplacement of Platinum Group Elements better to de-risk future exploration of similar deposits	Dr Michael Stock