












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






**Laidlaw Undergraduate
Leadership and Research Programme
2024 Scholars**




Laidlaw Scholar	Programme	Research Project Title	Supervisor(s)
<p>Abo Obhakhan</p> 	Biological and Biomedical Sciences	Acute systemic inflammation disrupts Brain Barriers and cognitive function in a mouse model of Alzheimer's Disease	Dr. Colm Cunningham
<p>Aoibheann Kearins</p> 	Physical Sciences Single Pathway	An Investigation into Scientific Authority in Colonised Ireland	Dr. Alison Fernandes
<p>Clara Tobin</p> 	English Studies Single Pathway	From influence to legacy: locating the 'Erthe upon Erthe' and 'Whoo so hym be thowgh' poems in publications available to William Shakespeare between 1531 and 1616	Prof. Andrew Murphy
<p>Conor Murphy</p> 	Theoretical Physics Single Pathway	Size dependence of resistive switching ratio in two-dimensional MoS2 memristors	Prof. Hongzhou Zhang
<p>Conor Dubh</p> 	History and Political Science Joint Honours	The integration of refugee youth in Ireland and Finland: a comparative study of the challenges and solutions as perceived by the professionals who support them	Dr. Rachel Hoare


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<p>Dhruv Ranajit Choudhury</p> 	<p>Computer Science MAJ and Business MIN</p>	<p>Utilising Homomorphic Encryption with Smart Contracts to Develop a Quantum-Safe Privacy-Preserving Federated Learning Model for Healthcare Applications</p>	<p>Dr. Hitesh Tewari and Dr. Swati Kumari</p>
<p>Eavan O'Keeffe</p> 	<p>English Studies MAJ & Linguistics MIN</p>	<p>Myths of Language: The Construction of the (Old) English Nation through the Monolingual Paradigm and its Significance in Understanding Anti-Immigrant Sentiment</p>	<p>Dr Mark Faulkner and Dr Charlie Kerrigan</p>
<p>Eniola Oluymeyan</p> 	<p>Computer Science MAJ and Business MIN</p>	<p>Investigating the utilisation of Field-Programmable Gate Arrays (FPGA) Camera-Based approach for Neonatal Jaundice detection</p>	<p>Dr Philippos Papaphilippou and Dr Subrahmanyam Murala</p>
<p>Eve Townsley</p> 	<p>Middle Eastern and European Languages and Cultures Single Pathway</p>	<p>The challenges facing Vergangenheitsbewältigung in modern Germany: Muslim immigration and rising antisemitism</p>	<p>Dr Zuleika Rodgers</p>

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<p>Finn Kelly McHugh</p> 	Biological and Biomedical Sciences	Community co-creation: understanding and supporting community biodiversity groups.	Dr. Marcus Collier
<p>Freddie Fallon</p> 	Environmental Science and Engineering Single Pathway	Exploring the relationship between soil compaction and plant biodiversity in green spaces along the urbanisation gradient	Dr. Marcus Collier
<p>Froya Mostue-Thomas</p> 	Social Studies Single Pathway	The Misconstrued Woman: An exploration into the ways women encountering homelessness in Dublin experience societal perceptions	Dr. Joe Whelan
<p>Grace Carthy</p> 	Business MAJ and Economics MIN	Testing the Utility Value Theory	Dr Aibhin Bray

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<p>Jane Emmins</p> 	English Studies MAJ & Linguistics MIN	‘Place, space, and utopia in the literature of Fire Island 1940-2000.’	Prof. Stephen Matterson and Dr Dara Downey
<p>Jemma Stubington</p> 	Business MAJ and Economics MIN	Certiably Sustainable, the Fashion Industry and Affordability for the Mass Market	Dr. David Horan
<p>Leo Schwartz</p> 	Psychology Single Pathway	Unravelling Age-Related Dynamics of Facial Recognition	Prof. Redmond O'Connell
<p>Nora Mulvehill</p> 	History of Art & Architecture MAJ and History MIN	Negotiating Privacy: The Design of Sapphic Domestic Spaces in Early 20th Century Dublin	Dr Timothy Stott
<p>Rachel O'Kelly</p> 	Philosophy MAJ & Religion MIN	Exploring the impacts of intentional Intergenerational Activity between older and younger generations in an Irish Context	Dr Philomena Mullen

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<p>Roberta Trimonytė</p> 	Biological and Biomedical Sciences	Investigating the influence of NOX2 inhibition selectivity on the metabolic rewiring of pro-inflammatory microglia following traumatic brain injury	Prof. David J. Loane
<p>Ros McAdden</p> 	Ancient and Medieval History and Culture Single Pathway	Late Devensian glaciation and its influence on medieval urban development in the Irish midlands	Dr Francis Ludlow and Dr Mark Hennessy
<p>Samuel Zen Kai Yap</p> 	Medicine	Investigation of the In-Vitro Activity of Olorofim-based Combined Antifungal Therapy using a DHODH-tetron Mutant for the Treatment of Invasive Aspergillosis	Prof. Johannes Wagener

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<p>Saoirse Winters</p> 	Geography and Geoscience Single Pathway	Investigating how trace concentrations of fluorine impact the growth of the most important carbonate biomineral, calcite	Dr. Juan Diego Roderiguez-Blanco
<p>Svit Pestotnik Stres</p> 	Medicine	Evaluating social cognition in cervical dystonia using electroencephalography	Prof. Richard Reilly
<p>Zoe Gardiner</p> 	Medicine	Exploiting the relationship between LPS and capsule for therapeutic benefit against E.coli UTI and sepsis	Dr. Julie Renwick and Dr. Naoise McGarry

	<p>We would like to acknowledge the contribution of Snaiha Iyer Narayan to the Laidlaw Programme. Snaiha, who sadly died in summer 2024, was one of our 2024 Laidlaw Scholars. She is missed by her fellow Scholars and the Laidlaw team. Our thoughts are with her family and friends.</p>
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