











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











**Laidlaw Undergraduate
Leadership and Research Programme
2019 Scholars**



Laidlaw Scholar	Programme	Research Project Title	Supervisor(s)
<p data-bbox="188 275 381 304">Bidemi Afolabi</p> 	<p data-bbox="507 275 643 304">Pharmacy</p>	<p data-bbox="708 275 1120 421">An Assessment of the Efficacious Role of cannabinoids in an in vitro Cell-Based Model of Cachexia</p>	<p data-bbox="1187 275 1417 304">Dr Richard Porter</p>
<p data-bbox="172 667 397 696">Alexandra Bodor</p> 	<p data-bbox="539 667 611 696">BESS</p>	<p data-bbox="708 667 1120 925">The impact of being a second generation immigrant and having a different cultural background to the country you are living in, on young people's understanding of mental health</p>	<p data-bbox="1155 667 1449 741">Dr David Ralph and Dr Charlotte Wilson</p>
<p data-bbox="177 1086 392 1115">Damien Doherty</p> 	<p data-bbox="512 1086 635 1115">Medicine</p>	<p data-bbox="719 1086 1109 1193">The effect of a maternal ketogenic diet on foetal brain development</p>	<p data-bbox="1203 1086 1401 1115">Dr Denis Barry</p>
<p data-bbox="201 1500 368 1529">Jack Doherty</p> 	<p data-bbox="488 1500 659 1608">TSM Mathematics and Music</p>	<p data-bbox="724 1500 1104 1646">Mathematics for the Ears: An Explanation of the Hidden Mathematical Structures in Post-Tonal Music</p>	<p data-bbox="1166 1500 1437 1529">Dr Sergey Mozgovoy</p>

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<p data-bbox="172 338 399 371">Deirdre Donohue</p> 	<p data-bbox="501 338 647 371">Psychology</p>	<p data-bbox="716 338 1114 562">Moving to, and Growing Up in, Ireland: Immigrant children's experience of early life stress, supportive relationships, and long-term psychological wellbeing</p>	<p data-bbox="1174 338 1430 371">Dr Lorraine Swords</p>
<p data-bbox="197 743 373 777">Lile Donohue</p> 	<p data-bbox="539 743 609 777">PPES</p>	<p data-bbox="722 743 1107 891">Improving Ireland's Recycling System: A Comparative Analysis of Welsh and Irish Waste Management</p>	<p data-bbox="1200 743 1401 777">Dr Anna Davies</p>
<p data-bbox="201 1106 370 1140">Kate Duggan</p> 	<p data-bbox="517 1106 632 1173">Human Genetics</p>	<p data-bbox="707 1106 1123 1254">A multi-model approach to the action of the Bcr-Abl kinase and imatinib resistance in Chronic Myeloid Leukaemia (CML)</p>	<p data-bbox="1181 1106 1420 1140">Dr Adrian Bracken</p>
<p data-bbox="210 1509 360 1543">Ciara Finan</p> 	<p data-bbox="478 1509 670 1657">Nanoscience Physics and Chemistry of Adv. Materials</p>	<p data-bbox="727 1509 1102 1576">Observing Carbon Dioxide Reduction at Single Enzymes</p>	<p data-bbox="1190 1509 1414 1543">Dr Kim McKelvey</p>

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<p>Filip Grajkowski</p> 	<p>Nanoscience Physics and Chemistry of Adv. Materials</p>	<p>Polydopamine-functionalised electrodes: fabricating tailored materials for cathodic processes with applications for a sustainable energy economy</p>	<p>Dr Paula Colavita</p>
<p>Alannah Grealy</p> 	<p>Medicine</p>	<p>Can the Cingulum get you down? A study into the cingulum bundle's more outré deviations and their involvement in depression</p>	<p>Dr Veronica O'Keane</p>
<p>Daniel Hall</p> 	<p>Mechanical and Manufacturing Engineering</p>	<p>An investigation into the material properties of various polymers for the purposes of filling tram tracks for cyclist</p>	<p>Dr Ciaran Simms</p>
<p>Zahar Hryniv</p> 	<p>BESS</p>	<p>From ISDS to MIC: The Underlying Factors Behind the EU Establishing a New Model for Investor-State Relations</p>	<p>Dr William Phelan</p>

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<p data-bbox="196 275 375 304">Aoife Kearins</p> 	<p data-bbox="488 275 660 304">Mathematics</p>	<p data-bbox="708 275 1120 499">Applying mathematical insights on transient dynamics to ecology, what can we learn about how plant populations respond to disturbance in a changing world?</p>	<p data-bbox="1177 275 1430 304">Dr Kirk Soodhalter</p>
<p data-bbox="145 672 429 701">Ellen McGrady Hogan</p> 	<p data-bbox="523 672 628 701">Science</p>	<p data-bbox="715 672 1117 969">Does intense physical exercise (e.g. gymnastics) have a notable effect on the genetic potential for the onset of puberty in pre-adolescent children? If so, how does this differ between males and females?</p>	<p data-bbox="1169 672 1434 701">Dr Louise Gallagher</p>
<p data-bbox="172 1090 402 1120">Claire McNamara</p> 	<p data-bbox="507 1090 644 1160">Computer Science</p>	<p data-bbox="715 1090 1110 1200">An interaction tool for clinical researchers to analyse Linked (RDF) Data</p>	<p data-bbox="1166 1090 1434 1120">Dr Declan O'Sullivan</p>
<p data-bbox="188 1509 386 1538">Amy Monahan</p> 	<p data-bbox="480 1509 671 1653">Nanoscience Physics and Chemistry of Adv. Materials</p>	<p data-bbox="708 1509 1120 1619">Using Microcantilevers with Bio-Functionalised Surfaces for Malaria Vaccine Diagnosis</p>	<p data-bbox="1182 1509 1422 1538">Dr Martin Hegner</p>

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<p data-bbox="204 342 373 376">Anurag Nasa</p> 	<p data-bbox="517 342 639 376">Medicine</p>	<p data-bbox="711 342 1123 524">An investigation of the efferent pathways of the amygdala in Major Depressive Disorder using high resolution, multimodal MRI</p>	<p data-bbox="1193 342 1410 376">Dr Erik O'Hanlon</p>
<p data-bbox="204 748 373 781">Jean O'Brien</p> 	<p data-bbox="501 748 655 815">Theoretical Physics</p>	<p data-bbox="711 748 1123 893">Microplastics and Nanoplastics in the Environment: Investigating Microplastics Down to the Nanoscale</p>	<p data-bbox="1171 748 1434 815">Dr Rachel Kavanagh and Dr Lewys Jones</p>
<p data-bbox="181 1144 391 1178">Camilla Persello</p> 	<p data-bbox="501 1144 647 1178">Philosophy</p>	<p data-bbox="719 1144 1115 1330">An investigation into the application of Frankfurt-cases as an alternative approach to the problem of freedom of time-travelling agents</p>	<p data-bbox="1171 1144 1434 1178">Dr Alison Fernandes</p>
<p data-bbox="181 1576 391 1610">Gráinne Sexton</p> 	<p data-bbox="480 1576 671 1688">TSM English Literature and History</p>	<p data-bbox="719 1576 1115 1722">'Tear down this wall': Borders and boundaries in the Native American literature of Leslie Marmon Silko</p>	<p data-bbox="1182 1576 1423 1610">Dr Philip Coleman</p>

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<p data-bbox="201 275 368 309">Jack Synnott</p> 	<p data-bbox="469 275 676 342">Law and Political Science</p>	<p data-bbox="708 275 1120 454">The Constitution as a Tool of Oppression: A Comparative Analysis of Constitutional Impacts on Property Rights and Social Justice</p>	<p data-bbox="1198 275 1406 309">Dr David Kenny</p>
<p data-bbox="189 680 379 714">Roisin Winters</p> 	<p data-bbox="523 680 624 714">Science</p>	<p data-bbox="716 680 1112 792">Exploring the benefits of exercise for the brain: the role of inflammation</p>	<p data-bbox="1219 680 1385 714">Dr Áine Kelly</p>