



SPUR 2025 Project List

SPUR 2025 Project List. See CareersConnect for more information and to apply.					
	Department(s) / Institute	Primary Academic Mentor			Project Title
		Prefix	First Name	Last Name	
1	Adult and Community Education	Prof	Bernie	Grummell	Researching the Creation of a Memory Wall of Adult Education in Ireland: past, present & future
2	Biology	Dr	Mark	Robinson	Expression profiling of glycosyltransferases in expanded human anti-cancer natural killer (NK) cells
3	Biology	Prof	Sean	Doyle	Towards overcoming bacterial antimicrobial resistance by molecular analyses.
4	Biology	Dr	Conor	Meade	Monitoring the influence of water stress on plant-soil interactions
5	Biology	Dr	Tara	Dirilgen	Soil Biodiversity in urban environments: MU campus survey
6	Chemistry	Dr	Eithne	Dempsey	Electrodeposition of redox active boronic acid species as chemoreceptors for sialic acid (BASA)
7	Chemistry	Dr	Trinidad	Velasco-Torrijos	Sugar, spice and all things nice: synthesis and evaluation of carbohydrate-natural products conjugates as inhibitors of plant pathogenic fungi
8	Chemistry Human Health Institute	Dr	Rob	Elmes	Supramolecular Chemical Approaches to Antimicrobial Resistance
9	Chemistry Human Health Institute	Dr	Rob	Elmes	Responsive Molecular Platforms (RMPs) for targeting drugs to specific brain regions to relieve chronic pain without adverse effects
10	Computer Science	Dr	Natalie	Culligan	Ni Hao, guys! Building an AI grader for Chinese language Vlogs
11	Computer Science	Dr	Peter	Mooney	Development of a comprehensive bank of MCQs for introductory programming assessment in Computer Science
12	Computer Science	Dr	Aidan	Mooney	Teaching the Tutors: Analysis of the state-of-the-art within demonstrating in Computer Science
13	Electronic Engineering	Dr	Majid	Sorouri	Design and 3D Printing of a Gripper and Cutter for Cauliflower Harvesting
14	Electronic Engineering	Dr	ZAIN ANWAR	ALI	AI-Based Ground Robot for Monitoring and Disease Detection in Brassica Plants



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15	Froebel Department of Primary and Early Childhood Education	Dr	Máire	Nic an Bhaird	BioCultúr Comic
16	Froebel Department of Primary and Early Childhood Education	Dr	Liam	Mac Amhlaigh	Educators as Literature Advocates / Oidí ina dToscairí Litríochta
17	Geography	Dr	Carla	Mateus	Recovering historical meteorological observations from newspapers to analyse past extreme weather events in Ireland
18	Hamilton Institute	Dr	Erivelton	Nepomuceno	Energy-efficient lightweight cryptography based on chaotic systems
19	Hamilton Institute Biology, Chemistry, Computer Science, Electronic Engineering, Mathematics and Statistics, Physics	Prof	Damien	Woods	DNA computing and DNA robotics
20	History	Dr	Joe	Curran	PARISH (Preserving and Recording Ireland's Sacred Heritage)
21	History	Prof	Marian	Lyons	Irish History Online
22	History	Dr	Michael	Potterton	Moynagh Lough Excavation Archive
23	History	Dr	Jonathan	Wright	Irish Historic Towns Atlas
24	Innovation Value Institute (IVI)	Dr	Tadhg	MacIntyre	GoGreen Next: Future Proofing Urban Health
25	Nua-Ghaeilge	Dr	Tracey	Ní Mhaonaigh	Digitisation of Irish Language Journals 3
26	Physics	Dr	Graham	Kells	Encoding Replica Density Matrices in Matrix Product States
27	Physics	Dr	Joost	Slingerland	Characterising Quasicrystals with Neighbor Counting Statistics
28	Psychology	Prof	Sean	Commins	Assessing the interaction between sleep (duration and quality) and spatial navigation.
29	School of Business	Dr	Nicola	Mountford	Where art meets reality - Health organization on the television
30	School of Business	Dr	Nada	Elnahla	A study of consumer-led online communities for loyalty schemes
31	School of Business	Dr	Dean	Creevey	Luxury Firm Signalling via Annual Reports



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32	School of Business	Dr	Emmanuel	Kypraios	The state of financial innovation in climate finance: Mapping the catastrophe bond universe
33	School of Business	Dr	John	Cullen	Learning in Groups: Best Practice for Team-Based Student Projects
34	School of Business	Dr	Muhammad	Waseem	Powering the Future: Smart Microgrid Innovation for Sustainable Campus Energy Management
35	School of Law and Criminology	Dr	Olga	Ryazanova	Understanding Law & Criminology scholars' policy impact
36	School of Law and Criminology	Dr	Bríd	Ní Ghráinne	Safe Zones in International Law
37	School of Modern Languages, Literatures and Cultures	Dr	Janire	Zalbidea	Exploring language learning experiences during study abroad
38	School of Modern Languages, Literatures and Cultures	Dr	Ana	de Prada Pérez	The Acquisition of Spanish as a Third Language in Ireland
39	School of Modern Languages, Literatures and Cultures	Dr	Clive	Earls	Engaging inclusively and equitably with diverse knowledge systems and academic cultures in EMI (English-medium instruction) environments

