

Conor M. Finlay

RESEARCH ASSISTANT PROFESSOR

Trinity Translational Medicine Institute, Trinity College Dublin

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Immunologist

Research Roles

RESEARCH ASSISTANT PROFESSOR, TRINITY COLLEGE DUBLIN, 2025-PRESENT

My group investigates innate immune cells in inflammation, combining molecular immunology, in vivo science and computational approaches to understand immune cell function in health and disease. Through leadership of TCD Omics and key clinical partnerships, we apply these approaches to understand human immune responses.

Role	Focus	Partners	Outputs
PI, Finlay Lab	Immune cell biology & bioinformatics	3 PhD students	Macrophage biology, computational immunology
Acedemic Director, TCD Omics	Single cell RNA-seq facility	TTMI-supported RA	Core technology service
Renal Research	Biomarker discovery	Prof. Mark Little, ADAPT	Data analytics, translational research
Pleural Disease Program Mast Cell Program	Macrophage function Diagnostic development	Assoc. Prof. Laura Gleeson Ridge, Conlon, Moran	Translational immunology Clinical immunology

HONORARY RESEARCH FELLOW, UNIVERSITY OF MANCHESTER (2021-PRESENT)

Collaboration on MRC programme grant with Prof. Judith Allen. Pleural Macrophage biology.

Past Employment History_

Snr Research Fellow, PI Trinity College Dublin

MENTOR: PROF MARK LITTLE

• Transitioned to research independence on SFI-Pathways award.

Snr Research Fellow Trinity College Dublin

SUPERVISOR: AIDEEN LONG

2023-2024

HEALED consortium - molecular biology and sequencing lead of tumour DNA and RNA-sequencing (with Aideen Long), since August 2023

Research Fellow and subsequently Snr Research Fellow

Trinity College Dublin

SUPERVISOR: PROF MARK LITTLE

• Single cell RNA-sequencing lead on COVID-19 strategic partnership. Laboratory management of Trinity Kidney Health Centre (THKC). Clinical data analysis, biomarker research, machine learning.

Research Associate University of Manchester

SUPERVISOR: PROF JUDITH ALLEN.

2017-2021

 Origin, heterogeneity, proliferation and effector function of macrophages during helminth infection and type 2 immune responses. Funding: Medical Research Council/Wellcome Trust. See recent preprint for outputs.

Lecturer (teaching relief)

Trinity College Dublin

SCHOOL OF BIOCHEMISTRY AND IMMUNOLOGY

2016-2017

2024-2025

2021-2023

• Performed the teaching duties for a senior professor on sabbatical for 1 year. Duties included undergraduate practical supervision, undergraduate and MSc teaching via lectures and tutorials, setting examinations and corrections with associated administration duties.

Post-doctoral Researcher

Trinity College Dublin

SUPERVISOR: PROF KINGSTON HG MILLS.

2013-2016

• For research projects see publications. I worked foremost on an IP-protected translational project identifying and testing novel helminth-derived proteins as therapeutics for inflammatory disease.

Education

Special Purpose Certificate in Teaching, Learning & Assessment for Academic Practice

Trinity College Dublin

• Constitutes one third of the SP Cert

University of Manchester

Informatics Training Scheme (Wellcome Trust TPA)

PROGRAMMING AND COMPUTATIONAL APPROACHES TO BIOLOGY MODULES

PERSPECTIVES ON TEACHING AND LEARNING IN HIGHER EDUCATION

2020

• Constituted 50% of taught compenent of MSc Bioinformatics and Systems Biology

AUGUST 2025 CONOR M. FINLAY · CURRICULUM VITAE

PhD in Immunology Trinity College Dublin

IMMUNE MODULATION BY THE HELMINTH PARASITE FASCIOLA HEPATICA

BA(Mod) in Natural Sciences Trinity College Dublin

MAJOR: BIOCHEMISTRY WITH IMMUNOLOGY

· Supervisor: Kingston Mills

• Grade: 1:1, graduated top of class

Funding

AWARDED

SFI-Pathways Programme Science Foundation Ireland

594K, PI

2024-2028

2024-2028

2024-2026

2024-2025

· Macrophage Activation and Transition in the Autoimmune Kidney (MacATAK): uncovering functional outcomes of macrophage differentiation in the inflamed kidney

Trinity Doctorate Award 2024-2025, PI-led application

Trinity Doctorate Award

Mapping Macrophage Cell State Transition in Inflammation and Infection at Single Cell Resolution

The Meath Foundation

The Meath Foundation 2024 70K, Co-I (35K TO MY GROUP)

• 'Characterisation and Inhibition of Monocyte-Driven Inflammation in AAV (CIMDIA)'

Higher Education Research Equipment Grant Higher Education Authority

30.2K. PI

· Cell counting solution to support TCD Omics

Dean's Research Initiatives Fund Faculty of Health Sciences, TCD

20K PI

· Mapping human macrophage anti-microbial function in pleural infection

Enterprise Ireland-funded Industry collaboration

Legend Biotech 2024

· Title withheld, scRNA-sequencing of blood cancer

Building Engagements in Health Research Scheme

Internal TCD

10K Eur, Co-PI

Understanding mast cells and their progenitors in Telangiectasia Macularis Eruptiva Perstans (TMEP)'

MR/V011235/1 Programme Grant

Medical Research Council

2.26 MILLION GBP, RESEARCH CO-INVESTIGATOR

• "Macrophages in type 2 immunity: unravelling susceptibility and resistance to tissue nematode infection". I co-wrote grant and provided scientific design and preliminary data. Awarded an honorary position at UoM to facilitate ongoing collaboration after leaving Manchester

Building Engagements in Health Research Scheme

Internal TCD

10K Eur, Co-Pl 2021

'Nanoparticle modulation of neutrophil and monocyte responses to ANCA'

UNDER REVIEW

2025 Irish Cancer Society Seed award (50K)

Presentations, Awards & contributions

ORAL PRESENTATIONS

2024	UK Kidney Week (Invited talk)	Edinburgh
2023	AI-driven Digital Content Technology (ADAPT) Collaboration Day (Invited talk)	TU Dublin
2023	Irish society of Parasitology	Tralee, Ireland
2023	Building Engagements in Health Research	TCD, Dublin
2022	Mononuclear Phagocytes in Health and Disease (Invited talk)	CRICK, London
2022	Parasitic Helminths: New Perspectives in Biology and Infection	Hydra, Greece
2022	COVID-19 Immunology, Vaccines and Lessons for the Future (Invited talk)	TCD, Dublin
2022	Trinity Translational Medicine Institute - Conference 2022 (Invited talk)	TTMI, Dublin
2021	Cytokine and interferon society meeting	Cardiff
2019	Irish Society of Immunology (best presentation award)	RCSI, Dublin
2019	BSI Type 2 Immunology Meeting	Manchester
2019	KU Leuven, UZ Gasthuisberg Campus (Invited talk)	KU Leuven
2015	Molecular and cellular biology of helminth parasites IX	Hydra, Greece
2015	TBSI Post-Doc Research Day	TCD, Dublin
2015	1st TBSI-Weimann joint Immunology conference	Rehovot, Israel
2015	European Congress of Immunology	Vienna
2009	European Congress of Immunology	Berlin

POSTER PRESENTATIONS

2023	British Society of Immunology	Belfast
2019	British Society of Immunology	Liverpool
2018	Type 2 Immunity in Homeostasis and Disease	Bruges
2017	British Society of Immunology	Brighton
2016	British Society of Immunology	Liverpool
2015	Frontiers in neurology	TCD, Dublin
2014	Cytokine and interferon society meeting	Melbourne
2012	Keystone: Biology of Cytokines	Colorado
2012	British Society of Immunology	Colorado
2011	Cytokine and interferon society meeting	Florence

MEDIA AND COMMENTARY

- Commentary in Immunity: "Macrophages show up in style when Th2 lymphocytes organize their homecoming"
- Paper featured on The Immunology Podcast Episode 51
- Immunity paper featured on August 2023 edition of *Journal of Allergy and Clinical Immunology* News Beyond Our Pages column.
- Irish Health Professional 2023
- Medical Express 2023

AWARDS

Wiley Top Cited Article Award - Parasite Immunology
EFIS/EJI Travel/Abstract Award Winners Presenting at Cytokines 2021
Best presentation from selected abstracts - Irish Society of Immunology
Visiting student training scheme - Weizmann Institute of Science
TBSI Post-Doc Research Day - Runner up talk prize
Milstein Travel Award - International Cytokine society
Valedictorian - Biochemistry with Immunology degree
Best Undergraduate Research Poster Prize - School of Biochemistry and Immunology

DISCIPLINE CONTRIBUTIONS

2024	European Journal of Immunology	Article review
		Poster session
2024	European Congress of Immunology	reviewer
2024	European Congress of Immunology	Session Chair
2023	Kidney Research UK	Grant review
2023	Annals of the Rheumatic Diseases	Article review
2023	British Fellowship awarding body (name withheld)	Grant review
2022	Irish Nephrology Society Conference	Session Chair
2022	Post-doctoral scientist at TCD	Interview panel
2022	PhD Candidate in TCD	Continuation Viva
2022	Kidney International	Article review
2021-202	2 Frontiers in Immunology	Article review
2021-202	2 Research Assistant at TCD	Interview panel
2021	French National Research Agency (ANR) 2021 generic call	Grant review
2021	BBSRC Discovery Fellows award	Grant review
2021	Venture capital funded Trinity Spinout – Parvalis Tx	Patent (inventor)
2018	Scientific Reports	Article review
2017-202	0 Parasite Immunology	Article review

Active Collaborations

Graham Heieis & Bart Everts	Leiden

O-GLCNACYLATION IN MACROPHAGE HOMEOSTASIS

Lara Dungan, Niall Conlon St James' Hospital

Understanding mast cells and their progenitors in Telangiectasia Macularis Eruptiva Perstans

Padraic Fallon Trinity College Dublin

TITLE WITHHELD; INFLAMMATION FOCUSED (MOUSE)

Arthur White Trinity College Dublin

NEW STATISTICAL METHODS FOR SEMI-SUPERVISED CLUSTERING OF FLOW AND MASS CYTOMETRY DATA

Legend Biotech & Tony McElligottTrinity College Dublin

TITLE WITHHELD

University of Manchester Judi Allen, Lili Zhang

B CELL-MACROPHAGE INTERACTIONS IN TYPE 2 IMMUNE RESPONSES

Pn'g Loke NIH, Bethesda, MA

EFFECT OF GENOTYPE ON ALTERNATIVE ACTIVATION OF SEROUS CAVITY MACROPHAGES

Niall Conlon, Katie Ridge St James' Hospital

ROLE OF MAST CELL PROGENITORS IN CHRONIC URTICARIA

Ross MacManus Trinity College Dublin

LINKING IMMUNE CELL PERTURBATIONS TO ANKYLOSING SPONDYLITIS OUTCOMES

Mark Travis University of Manchester

TITLE WITHHELD, T CELL AND INFECTION FOCUSED (MOUSE)

Maria M. Munoz San Martin RCSI

TITLE WITHHELD, MICROGLIA FOCUSED (MOUSE)

Sharee Basdeo Trinity College Dublin

INNATE IMMUNE TRAINING OF HUMAN MONOCYTES AND MACROPHAGES BY SARS-COV2 VACCINE CHADOX1

Judi Allen University of Manchester

SEROUS CAVITY MACROPHAGE IN NEMATODE CONTROL

Judi Allen, James Parkinson University of Manchester

THE PLEURAL CAVITY MACROPHAGE PROTEOME

Alvaro Diaz Uni. de la República Uruguay

ROLE OF CD40 SIGNALLING IN TISSUE RESIDENT MACROPHAGE PROLIFERATION

Teaching & Supervision

FORMAL TEACHING

Introduction to bioinformatics, transcriptomics and single cell RNA-sequencing

30 Students

MSc in Molecular Medicine

· Week long course of workshops, lectures and practicles. 18 hours of direcet teaching time.

Heritability, Genotyping, Genetics of Heritable Disease

Medium class size

BIOENGINEERING (4TH YEAR)

· Explores genetic inheritance, disease patterns, and population genetics. Students learn heritability concepts, genotyping methods, and genetic disease mechanisms, combining theoretical principles with practical medical applications.

150 students

SENIOR FRESHMEN BIOLOGY 2024

Introduction to omics technologies 20 students

CORE RESEARCH SKILLS MODULE

• General introduction to omics technologies to new PhD students Transcriptomics (2 hr workshop) 20 students

MSc in Immunology 2022

• Introduction to Transcriptomics and single cell technologies

Datascience for Immunology (3 workshops and assessment)

20 students

2023

• 12 hours direct teaching time. Introduction to R programming, with a focus on analysis in R markdown. Analysing and visualising immunology

data in R. Single cell RNA-sequencing analysis. Student assessment in Single cell RNA-sequencing analysis. Module design and module reform.

R programming, data visualisation and transcriptomic analysis (3 workshops)

20 students

MSc in Immunology

· Part of immunogenetics module - This included 3 dry lab sessions (in person) and assessment: student presentations of bioinformatic analysis (microarray)

T cells (4 lectures) 30 Students

BA(Mod) BIOCHEMISTRY WITH IMMUNOLOGY (4TH YEAR)

2016-2017

• This advanced course teaches most aspects of T cell biology from development, T cell education, tolerance, activation through the immunological synapse, APC function, co-stimulation, expansion, tissue/lymph node homing, T cell subset differentiation, regulation and the concept of immune responses types. Assessment: written exam

Cancer immunology and immunotherapy (2 lectures)

30 Students 2016-2017

BA(Mod) BIOCHEMISTRY WITH IMMUNOLOGY (4TH YEAR)

· Brief history of chemotherapy, failed early immune oncology interventions, recent success, checkpoint inhibitors, combination studies, CAR-T cell, future perspectives Assessment: written exam

Multiple sclerosis (1 lecture) BA(Mod) BIOCHEMISTRY WITH IMMUNOLOGY (4TH YEAR)

30 Students

• Th1 and Th17 cells in autoimmunity, animal models of disease, S1p1 inhibitors, VLA4, future targets.

T cell differentiation, effector function and regulation (2 lectures)

20 students

MSc in Immunology

2016-2017

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· Introductory course to T cell biology, differentiation and the cytokine control of immune responses. Assessment: written exam

Introduction to parasite and type 2 Immune responses (3 lectures)

20 students

MSc in Immunology

2014-2017

• This is an advanced course that covers aspect of type 2 immune responses. Th2 cells, helminth infections, eosinophils, M2 macrophages, wound repair, hygiene hypothesis and allergy. Workshop style with three PBL topics. Assessment: written exam

Integrated Tutorials 3 students BA(Mod) BIOCHEMISTRY WITH IMMUNOLOGY (3RD YEAR) 2014-2017

• Ongoing small group tutorials for 3 students each year integrated with specific modules

RESEARCH PROJECT SUPERVISION

2025	BA(mod) Human Health and Disease	TCE
2025	MSc Genomic Medicine	TCE
2024-2028	B PhD Immunology (sole-supervisor)	TCE
2024-2028	B PhD Bioinformatics (sole-supervisor)	TCE
2024	Msc Molecular Medicine	TCE
2023-2027	7 PhD Immunology (co-supervisor)	TCE
2023	BA(Mod) Molecular Medicine (intercalating Medical student)	TCE
2022	BA(Mod) Molecular Medicine (intercalating Medical student)	TCE
2021-2022	2 Bachelor in Medicine	TCL
2021-2022	2 Research Assistant	TCL
2021-2022	2 PhD student	TCL
2021	BA(Mod) Molecular Medicine (intercalating Medical student)	TCL
2020-2021	L Mres Infection Biology	UoM
2018-2019	Mres Infection Biology	UoM
2017-2021	L PhD Student (day-to-day supervisor, unofficial)	TCL
2016	Msc Immunology	TCE
2015-2017	7 PhD Student	TCE
2015	Msc Immunology	TCE
2014	Msc Immunology	TCE

Additional teaching duties In 2016 I took on the academic duties for a Professor in TCD on teaching sabbatical. This included all aspects of the role, including practical supervision, assessment and marking, tutorials and administrative duties. I have organised visits for school students between 2013-2016. I sit on thesis committees for 3 PhD students.

Outreach, organisation and PPI

Discover Research Night, Dublin Sep 2014. Marie Skłodowska-Curie-funded. I was the event organiser responsible for public engagement at Trinity Biomedical Sciences Institute, organising a team of 50 researchers in leading themed tours of scientific facilities. We were the most subscribed event of Dublin Research Night (>500 members of the public).

10th International Symposium on Bordetella, Sep 2013. Logistics manager responsible for operations of the conference including registration, AV equipment and support for speakers.

Manchester Immunology Group Seminar Series, May 2017 - Sep 2018. Co-lead organiser. Handling invitations, hospitality, communications, for renowned international speakers to visit University of Manchester.

School talk, Oaklands Community College, Edenderry Co. Offaly, 2021. "The life of a scientist".

TCD Omics Core facility. I have established formal pipelines for a single cell RNA-sequencing core service 'TCD Omics'. I have successfully lobbied my institute to fund a research assistant to support the service under my supervision.

Patient involvement I have worked alongside patient representatives for Vasculitis Ireland as part of the PARADISE project. I have pitched an idea to the St James hospital Patient Representative Group and received feedback on development of a research programme, lay abstract and patient information leaflet.

Publications

* (Co-)corresponding author or (co-)senior authorship

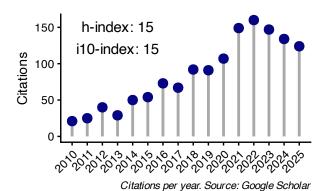
- 1. Ridge, K., Moran, B., Little, M. A., O'Farrelly, C., Dunne, J., Clowry, J., Loftus, C., Finlay, C. M., Irvine, A. D., & Conlon, N. (2025). Myeloid and Mast Cell Progenitors Are Elevated in Atopic Dermatitis. JID Innovations, 5(5). https://doi.org/ 10.1016/j.xjidi.2025.100390
- 2. Hawerkamp, H. C., Yeow, A., Byrne, C. M., Chevalier, A., Matarazzo, L., Lawrence, A., Ivers, D., Murangi, T., O'Dowd, N., Hulshof, A.-M., Atiq, F., O'Sullivan, J. M., Kelly, V. P., Finlay, C. M., McSorley, H. J., Gangadharan, B., Reipert, B. M., O'Donnell, J. S., Turecek, P. L., & Fallon, P. G. (2025). The interleukin-33 receptor (ST2) is a novel therapeutic target to attenuate the progression of hemophilic arthropathy. Blood. https://doi.org/10.1182/blood.2024027578
- Ridge, K., Ahmad, R., Moran, B., O'Farrelly, C., Dunne, J., Finlay, C. M., Irvine, A. D., & Conlon, N. (2025). Towards Per-3. sonalised Therapy in Chronic Spontaneous Urticaria: Advancing From Endotype to Clinical Response. Clinical & Experimental Allergy, cea.70100. https://doi.org/10.1111/cea.70100

- 4. Suárez-Martins, M., González-Alayón, I., Casaravilla, C., Boon, L., Papotto, P. H., Finlay, C. M., Jenkins, S. J., Allen, J. E., & Díaz, Á. (2025). Macrophage IL-4 polarization is restricted by soluble CD40 agonists and antigen-induced CD154 but not by constitutive CD154 expressed by CD4+ T cells. *Journal of Leukocyte Biology*, 117(7), qiaf069. https://doi.org/10.1093/jleuko/qiaf069
- 5. Dwivedi, A., Mhaonaigh, A. U., Carroll, M., Khosravi, B., Batten, I., Ballantine, R. S., Phelan, S. H., O'Doherty, L., George, A. M., Sui, J., Hawerkamp, H. C., Fallon, P. G., Noppe, E., Mason, S., Conlon, N., Cheallaigh, C. N., *Finlay, C. M., & *Little, M. A. (2024). Emergence of dysfunctional neutrophils with a defect in arginase-1 release in severe COVID-19. *JCI Insight*, 9(17). https://doi.org/10.1172/jci.insight.171659
- 6. Ridge, K., Moran, B., Alvarado-Vazquez, P. A., Hallgren, J., Little, M. A., Irvine, A. D., O'Farrelly, C., Dunne, J., Finlay*, C. M., & Conlon*, N. (2024). Lin CD117 + CD34 + FcεRI + progenitor cells are increased in chronic spontaneous urticaria and predict clinical responsiveness to anti- IgE therapy. *Allergy*. https://doi.org/10.1111/all.16127
- 7. Finlay*, C. M., & Allen*, J. E. (2024). IL-4-ever young: Type 2 cytokine signaling in macrophages slows aging. *Immunity*, 57(3), 403–406. https://doi.org/10.1016/j.immuni.2024.02.013
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- 9. Tachó-Piñot, R., Stamper, C. T., King, J. I., Matei-Rascu, V., Richardson, E., Li, Z., Roberts, L. B., Bassett, J. W., Melo-Gonzalez, F., Fiancette, R., Lin, I.-H., Dent, A., Harada, Y., Finlay, C., Mjösberg, J., Withers, D. R., & Hepworth, M. R. (2023). Bcl6 is a subset-defining transcription factor of lymphoid tissue inducer-like ILC3. *Cell Reports*, 42(11), 113425. https://doi.org/10.1016/j.celrep.2023.113425
- 10. Finlay, C. M., Parkinson, J. E., Zhang, L., Chan, B. H. K., Ajendra, J., Chenery, A., Morrison, A., Kaymak, I., Houlder, E. L., Murtuza Baker, S., Dickie, B. R., Boon, L., Konkel, J. E., Hepworth, M. R., MacDonald, A. S., Randolph, G. J., Rückerl, D., & Allen*, J. E. (2023). Thelper 2 cells control monocyte to tissue-resident macrophage differentiation during nematode infection of the pleural cavity. *Immunity*, 56(5), 1064–1081.e10. https://doi.org/10.1016/j.immuni.2023.02.
- 11. McEntee, C. P., Houston, S., Finlay, C. M., Rossi, S., Liu, G., Shaw, T. N., Casulli, J., Fife, M., Smedley, C., Griffith, T. S., Pepper, M., Hussell, T., Hansbro, P. M., Schwartz, J.-M., Paidassi, H., & Travis, M. A. (2023). A subset of CD4+ effector memory T cells limit immunity to pulmonary viral infection and prevent tissue pathology via activation of latent TGF β . bioRxiv, 2023.03.02.527395. https://doi.org/10.1101/2023.03.02.527395
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- 15. Cunningham, K. T., Finlay, C. M., & Mills, K. H. G. (2021). Helminth Imprinting of Hematopoietic Stem Cells Sustains Anti-Inflammatory Trained Innate Immunity That Attenuates Autoimmune Disease. *Journal of Immunology (Baltimore, Md. : 1950)*, 206(7), 1618–1630. https://doi.org/10.4049/jimmunol.2001225
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- 18. Czajkowska, B. I., Finlay, C. M., Jones, G., & Brown, T. A. (2019). Diversity of a cytokinin dehydrogenase gene in wild and cultivated barley. *PloS One*, *14*(12), e0225899. https://doi.org/10.1371/journal.pone.0225899
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CITATION METRICS



Details	Number of papers
Total Papers	27
As First Author	7
Senior, Co-senior or primary supervisor	4
Seconday author - Major contribution (>3 months)	8
Seconday author - Minor contribution (<3 months)	8
As (co-)corresponding author	5

Referees

Prof Judi Allen

Professor of Immunobiology; judi.allen@manchester.ac.uk

Prof Kingston HG Mills

PROFESSOR OF EXPERIMENTAL IMMUNOLOGY; KINGSTON.MILLS@TCD.IE

Prof Mark A Little

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Trinity College Dublin
School of Medicine, Tallaght University
Hospital
University of Manchester
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School of Biochemistry and Immunology

Appendix

SKILLS

I have a broad skillset that includes animal research, translational research, molecular biology, bioinformatics and clinical data analysis that enables me to design and manage research projects from a multidisciplinary point of view.

Category	Primary Skills	Tools & Technologies
Research & Analysis	Translational Research • Clinical Data Analysis • Animal Models • Patient Stratification	REDCap • Mass Cytometry • Flow Cytometry (30+ parameters) • ELISA
Programming	R (Fluent) • Python (Intermediate) • Unix/Bash (Basic)	RMarkdown • Git • HPC
Bioinformatics	Single Cell RNA-seq • Bulk RNA-seq • Mass Cytometry Analysis • Trajectory Analysis	Seurat • DESeq2 • limma • SCENIC • Spectre
Molecular Biology	NGS Library Prep • DNA/RNA Workflows • Proteomics • Cell Culture	Illumina NovaSeq • 10X Genomics • BD Rhapsody • TapeStation
Laboratory	Cell Sorting • Tissue Processing • Blood Processing • Core Facility Management	BD FACSAria • Mass Cytometry • Multiparameter Flow

DATASETS, CODE & WEBSITES

scRNA-seq data from Allergy paper 2024	NCBI
HTTPS://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE261424	2024
scRNA-seq expression app	shiny app
HTTPS://SHINY.ITS.MANCHESTER.AC.UK/MDEHSJPR/ORIGINAL/	2023
PARADISE R package for analysis of Kidney disease dataset (private)	R package
On request	2023
L sigmodontis collective analysis	Github
https://github.com/Conorisco/Lito_database	2022
scRNA-seq data from Immunity paper 2023	NCBI
HTTPS://WWW.NCBI.NLM.NIH.GOV/GEO/QUERY/ACC.CGI?ACC=GSE189031	2021

SHORT-LISTED APPLICATIONS

- Short-listed for UKRI Innovation/Rutherford Fund Skills Development Fellowship (Computational Biology), 2017.
- Short-listed for academic-industry partnership post-doctoral position, Belgium, 2019
- Short-listed as candidate from school of medicine for Science Foundation Ireland Pathways programme, 2021
- Short-listed for Lister Prize 2023

TRAINING

2023	LAST (Ireland) course (rodents)	LAST Ireland
2022	Illumina Sequencing (NovaSeq 6000)	Illumina
2018	Single Cell RNA-sequencing	Earlham Institute
2017	Home Office personal animal licence	Manchester
2014	Fluorescent activated cell sorting	UCD

THESIS COMMITTEES AND CONTINUATION VIVAS

2025-2028 School of Medicine PhD student	Redacted
2025-2028 School of Medicine PhD student	Redacted
2022-2026 School of Medicine PhD student	Sarah Connolly
2022-2023 School of Computer Science and Statistics PhD student	Ultan Doherty
2021-2023 School of Medicine PhD student	Mariya Al
2021-2023 School of Medicine Fild Student	Hamrashdi

INTERVIEW PANELS

2022	Post-Doctoral scientist at TCD (TTMI lab)	Interview panel
2022	Research Assistant at TCD (Core funded)	Interview panel
2022	Research Assistant at TCD (our lab)	Interview panel
2021	Research Assistant at TCD (our lab)	Interview panel

COURSES

AUGUST 2025

University of Manchester

- · Data Protection
- Introduction to High Performance Computing
- Introduction to version control using Git
- Introduction to the UNIX shell
- · Programming with Python
- Data analysis using R
- Introduction to Python

TRINITY COLLEGE DUBLIN

- Biological safety workshop
- Cryogenics safety workshop
- Radiological safety workshop
- LAST animal handling course (2009)
- Data Protection and Health Research (2021)
- Project Management
- Academic Practice: Perspectives on Teaching and Learning in Higher Education (1/3 SpCert July 2022)
- Data Protection: Data Transfer and Secondary Use of Data (2021)
- Equality, Diversity and Inclusion in Higher Education

SOCIETIES AND COMMITTEES

SOCIETY MEMBERSHIP

- · British Society of immunology
- · Irish Society of Immunology
- International Cytokine & Interferon Society
- Myeloid Network

COLLEGE COMITTEES

- STTAR Data Committee (2021-2023)
- Single Cell TCD core facility working group (Chair)
- FLOCI Flow cytometry analysis committee (2021-Present)
- Post-Doc Representative for comparative medicine unit (CMU; animal research unit) executive committee (2016)
- Covid Strategic partnership (SFI Funded) (2021-2023)
- STTAR Covid-19 M-Bio LIMS (clinical data access, 2022)