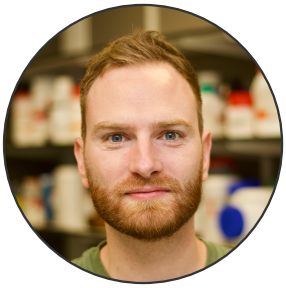

Conor M. **Finlay**

Senior Research Fellow

Trinity Translational Medicines Insitute, Trinity College Dublin

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I am an energetic, ambitious immunologist who has a goal of or being a future world leader in macrophage biology. My career focus on myeloid cells has brought me through three disciplines, animal models, bioinformatics, and translational research. This approach makes me a uniquely well-rounded researcher in the Irish research environment who can plan, implement, and integrate pre-clinical, informatic and translational aspects of biomedical research.

Employment and Education

Senior Research Fellow — *Trinity College Dublin*
School of Medicine — *Dec 2021-Present*
- COVID-19 SFI-funded strategic partnership, investigating myeloid cell dysfunction in COVID-19. CO-PI of reseach Lab

Honorary Research Fellow — *University of Manchester*
Lydia Becker Insitute — *April 2021-present*
- Collaboration on MRC programme grant (PI Judi Allen).

Research Fellow — *Trinity College Dublin*
Supervisor: Prof Mark Little — *April 2021-December 2021*
- Laboratory management of Trinity Kidney Health Centre. Clinical data analysis and translational research.

Informatics Training Scheme (Wellcome Trust TPA) — *University of Manchester*
Programming and Computational Approaches to Biology Modules — *2020*
- Constituted 50% of tought compenent of MSc Bioinformatics and Systems Biology

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.

Lecturer (teaching relief post) — *Trinity College Dublin*
School of Biochemistry and Immunology — *2016-2017*
- Performed the teaching duties for a senior professor on sabbatical

Post-doctoral Researcher — *Trinity College Dublin*
Supervisor: Prof Kingston HG Mills. — *2013-2016*
- IP-protected project identifying novel helminth-derived proteins as therapeutics for inflammatory disease. Role of mast cells in the alternative activation of macrophages via IL-33. Circadian regulation of autoimmune disease

PhD in Immunology — *Trinity College Dublin*
Immune modulation by the helminth Parasite Fasciola hepatica — *2013*
- Supervisor: Kingston Mills

Funding

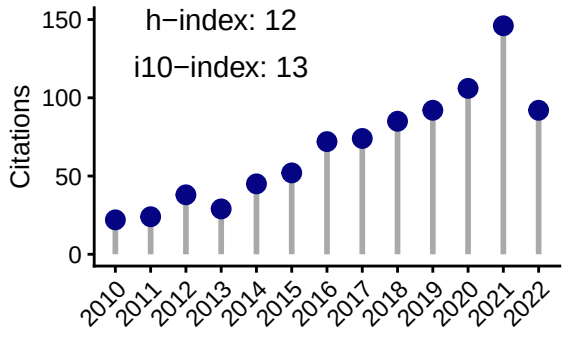
MR/V011235/1 Programme Grant — *Medical Research Council*
2.26 Million GBP, Research Co-Investigator — *2021*
- "Macrophages in type 2 immunity: unravelling susceptibility and resistance to tissue nematode infection". I co-wrote grant and provided scientific design and preliminary data. Awarded an honorary position at UoM to facilitate ongoing collaboration after leaving Manchester

Building Engagements in Health Research Scheme — *Internal TCD*
10K Eur, Co-PI — *2021*
- 'Nanoparticle modulation of neutrophil and monocyte responses to ANCA'

Recent Presentations

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*

Publications



Citations per year. Source: Google Scholar

Details	Number of papers
Total papers	15
As First Author	6
As primary supervisor	1
Seconday author − Major contribution (>3 months)	6
Seconday author − Minor contribution (<3 months)	2
As corresponding author	4

1. Finlay, C. M., Parkinson, J. E., Chan, B. H. K., Ajendra, J., Chenery, A., Morrison, A., Houlder, E., Baker, S. M., Dickie, B., Boon, L., MacDonald, A., Konkel, J. E., Ruckerl, D., & Allen, J. E. (2021). Genotype and Th2 Cells Control Monocyte to Tissue Resident Macrophage Differentiation During Nematode Infection of the Pleural Cavity. *bioXriv - Under Review in Immunity IF 31*, 2021.12.17.472661. https://doi.org/10.2139/ssrn.3992680

2. Fiancette, R., Finlay, C. M., Willis, C., Bevington, S. L., Soley, J., Ng, S. T. H., Baker, S. M., Andrews, S., Hepworth, M. R., & Withers, D. R. (2021). Reciprocal transcription factor networks govern tissue-resident ILC3 subset function and identity. *Nature Immunology*, *22*(10), 1245–1255. https://doi.org/10.1038/s41590-021-01024-x

3. 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. *The Journal of Immunology*, *206*(7), 1618–1630. https://doi.org/10.4049/jimmunol.2001225

4. Finlay, C. M., Cunningham, K. T., Doyle, B., & Mills, K. H. G. (2020). IL-33–Stimulated Murine Mast Cells Polarize Alternatively Activated Macrophages, Which Suppress T Cells That Mediate Experimental Autoimmune Encephalomyelitis. *The Journal of Immunology*, *205*(7), 1909–1919. https://doi.org/10.4049/jimmunol.1901321

5. Finlay, C. M., & Allen, J. E. (2020). The immune response of inbred laboratory mice to Litomosoides sigmodontis : A route to discovery in myeloid cell biology. *Parasite Immunology*, *42*(7), e12708. https://doi.org/10.1111/pim.12708

6. 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

7. McEntee, C. P., Finlay, C. M., & Lavelle, E. C. (2019). Divergent Roles for the IL-1 Family in Gastrointestinal Homeostasis and Inflammation. *Frontiers in Immunology*, *10*. https://doi.org/10.3389/fimmu.2019.01266

8. Campbell, S. M., Knipper, J. A., Ruckerl, D., Finlay, C. M., Logan, N., Minutti, C. M., Mack, M., Jenkins, S. J., Taylor, M. D., & Allen, J. E. (2018). Myeloid cell recruitment versus local proliferation differentiates susceptibility from resistance to filarial infection. *eLife*, *7*, e30947. https://doi.org/10.7554/eLife.30947

9. Sutton, C. E., Finlay, C. M., Raverdeau, M., Early, J. O., DeCourcey, J., Zaslona, Z., O'Neill, L. A. J., Mills, K. H. G., & Curtis, A. M. (2017). Loss of the molecular clock in myeloid cells exacerbates T cell-mediated CNS autoimmune disease. *Nature Communications*, *8*(1), 1923. https://doi.org/10.1038/s41467-017-02111-0

10. Finlay, C. M., Stefanska, A. M., Coleman, M. M., Jahns, H., Cassidy, J. P., McLoughlin, R. M., & Mills, K. H. G. (2017). Secreted products of Fasciola hepatica inhibit the induction of T cell responses that mediate allergy. *Parasite Immunology*, *39*(10), e12460. https://doi.org/10.1111/pim.12460

11. Finlay, C. M., Stefanska, A. M., Walsh, K. P., Kelly, P. J., Boon, L., Lavelle, E. C., Walsh, P. T., & Mills, K. H. G. (2016). Helminth Products Protect against Autoimmunity via Innate Type 2 Cytokines IL-5 and IL-33, Which Promote Eosinophilia. *The Journal of Immunology*, *196*(2), 703–714. https://doi.org/10.4049/jimmunol.1501820

12. Bernard, N. J., Finlay, C. M., Tannahill, G. M., Cassidy, J. P., O'Neill, L. A., & Mills, K. H. (2015). A critical role for the TLR signaling adapter Mal in alveolar macrophage-mediated protection against Bordetella pertussis. *Mucosal Immunology*, *8*(5), 982–992. https://doi.org/10.1038/mi.2014.125

13. Finlay, C. M., Walsh, K. P., & Mills, K. H. G. (2014). Induction of regulatory cells by helminth parasites: exploitation for the treatment of inflammatory diseases. *Immunological Reviews*, *259*(1), 206–230. https://doi.org/10.1111/imr.12164

14. Coleman, M. M., Finlay, C. M., Moran, B., Keane, J., Dunne, P. J., & Mills, K. H. G. (2012). The immunoregulatory role of CD4 + FoxP3 + CD25 - regulatory T cells in lungs of mice infected with Bordetella pertussis. *FEMS Immunology & Medical Microbiology*, *64*(3), 413–424. https://doi.org/10.1111/j.1574-695X.2011.00927.x

15. Walsh, K. P., Brady, M. T., Finlay, C. M., Boon, L., & Mills, K. H. G. (2009). Infection with a Helminth Parasite Attenuates Autoimmunity through TGF-β-Mediated Suppression of Th17 and Th1 Responses. *The Journal of Immunology*, *183*(3), 1577–1586. https://doi.org/10.4049/jimmunol.0803803