

Spring 2018 Newsletter

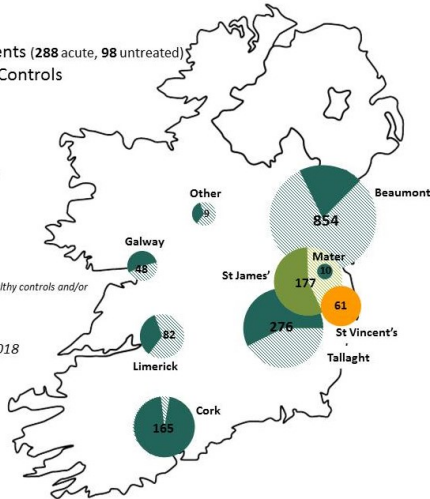
Recruitment to Date

- 668 Vasculitis Patients (288 acute, 98 untreated)
- 315 Age-Matched Controls
- 698 FKDG

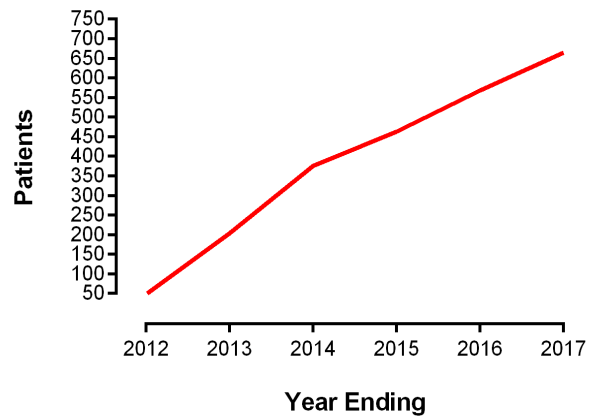
- Rheumatology
- Nephrology
- Immunology

(Hatched sections indicate healthy controls and/or FKDG recruits)

Updated: 02/02/2018



Cumulative RKD Vasculitis Recruitment



Key Research Supported in 2017/2018

- ⇒ Autoimmunity Relapse Prediction using Multiple Parallel Data Sources (AVERT) - RKD Registry aligned ANCA Vasculitis patients as a model archetypal relapsing autoimmune disease to identify and validate the environmental / clinical factor interactions influencing flare of the disease (TCD / Vasculitis Ireland Awareness / patientMpower (pMp))
- ⇒ Familial Kidney Disease Genomics - an ongoing collaboration with Prof Peter Conlon and Dr Dervla Connaughton (Beaumont Hospital) and Dr Friedhelm Hildebrandt (Harvard Medical School, Boston Children's Hospital)
 - ⇒ ANCA Vasculitis Cyclophosphamide Pharmacogenomics - collaboration with Dr A Vaglio (University Hospital of Parma, Italy)
 - ⇒ Mechanisms of Immunothrombosis in ANCA Vasculitis with Dr Roger Preston (RCSI)
- ⇒ Urinary Metabolomic Biomarkers in Vasculitis - a collaboration with Agilent Technologies and Dr Ken Mok (TCD) using high throughput mass spectroscopy techniques

Latest Research Publications

Clinical & Experimental Immunology
The Journal of Translational Immunology
ORIGINAL ARTICLE
doi:10.1111/cei.13058

Alterations in circulating lymphoid cell populations in systemic small vessel vasculitis are non-specific manifestations of renal injury

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Summary

Innate lymphocyte populations, $\gamma\delta$ cells, invariant natural killer T invariant T (MAIT) cells are common in immunity and are involved in diseases. The aim of this study was to determine if numbers of innate lymphocytes in peripheral blood from ANCA-associated AAV patients and 24 healthy age-matched controls. Patients with AAV

nephron
Experimental
Nephrology
and Genetics

Experimental Nephrology and Genetics: Original Paper

Nephron
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Clinical Heterogeneity in Familial IgA Nephropathy

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JCI insight

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PMCID: PMC5256146

Anti-myeloperoxidase antibodies attenuate the monocyte response to LPS and shape macrophage development

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plasmic antibody (ANCA) vasculitis is characterized by the presence of autoantibodies and proteinase-3, which bind monocytes in addition to neutrophils. While a neutrophil is acknowledged, the impact of ANCA on monocyte function is less well

Personnel Network

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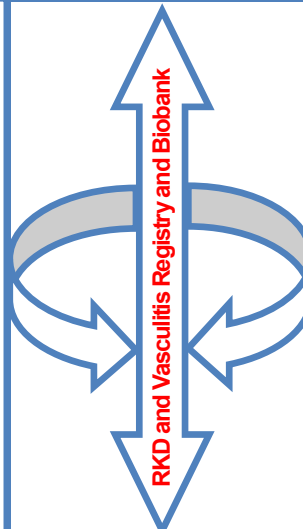
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Welcomes and Farewells

The past year saw the arrival of many new laboratory personnel who will make significant contributions to the ongoing work of the Biobank, including Dr Gareth Brady, Dr Yanmei Huang, Ms Emma Leacy, Ms Aisling Ui Mhaonaigh, and Ms Aisling Morrin.

It also saw the departure of Dr Barbara Fazekas to NUIG. Barbara ably co-ordinated sample delivery and processing when required and we thank her for her valuable contribution and wish her well in her new post. Our lead Research Nurse, Ruth Arque, also moved to a new post within the CRF at St James' and has been replaced by Ms Jane Richardson. We are grateful to Ruth for her considerable work during her tenure, and welcome Jane aboard.

Thanks

To all patients and control individuals who have so kindly taken part. To all consultants for generously allowing access to their patients. To registrars Paul O'Hara, Claire Kennedy, Sarah Moran, Dervla Connaughton, Adrian Whelan, Heather Gunning, Tammy Wanigasekera, Limy Wong, Dearbhla Kelly, Yvelynne Kelly, Radzi Rodzlan, Conor Judge, Amy Hudson, Susie Murray, Louise Ryan, Brona Maloney, Elshaeima Mohamed, Aine de Bhallis, Adeel Rafi Ahmed, Ted Fitzgerald, Tze Liang Goh, Julio Chevarria, Laura Slattery, Vicki Sandys, Jennifer Scott, Hannah O'Keefe, Sarah Cormican, Samar Medani, Donal Sexton and Mark Canney, who have helped us recruit extremely valuable acute patients. To John McCourt for database support and to Joe McPartlin and the TCD Biobank for facilitating freezer storage. Finally, to all our interns, who make a substantial contribution to the efficient day-to-day operational running of the RKD Biobank— a massive thank you!

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