The study of rare kidney disease is challenging as only a few sporadic cases present at hospitals each year. The RKD and Vasculitis Registry and Biobank aims to provide an integrated resource to facilitate such research, working with hospitals and research centres across the country to bring together a large cohort of patient data and biological samples, thus generating a substantial body of detailed clinical information.

Recruitment to Date

450 vasculitis (105 acute, 40 untreated)
161 age-matched controls
267 disease controls

Currently Supported Studies

- Prognostic significance of single nucleotide polymorphisms of genes encoding cyclophosphamide-metabolising enzymes in patients with ANCA vasculitis in collaboration with Dr A Vaglio University Hospital of Parma, Italy
- Collaborating with Agilent Technologies and Ken Mok (TCD) using high throughput mass spectroscopy to investigate Urine Metabolomic biomarkers in Vasculitis
- Genome Wide Association Studies, in collaboration with the European Vasculitis Genetics Consortium:
  - PR3 ANCA vasculitis
  - MPO ANCA vasculitis
  - Eosinophilic granulomatosis with polyangiitis
  - Rituximab Response
- C3 Glomerulopathy in collaboration with Peter Conlon (Beaumont) and Imperial College London.
- Urinary CD25 in renal vasculitis, in collaboration with Peter Heerenga, Groningen, The Netherlands
- Familial Membranoproliferative glomerulonephritis, in collaboration with Imperial College London.
- Familial Spastic Paraparesis and Chronic Kidney Disease in collaboration with Duke University, North Carolina
- aHUS (Atypical Hemolytic Uremic Syndrome) in collaboration with Peter Conlon and groups in Cardiff and Newcastle.
- Familial Interstitial Nephritis in collaboration with Anthony Bleyer, Wake Forest Baptist Health, Salem North Carolina.
- Fibrocytes in ANCA Vasculitis in collaboration with Peter Margotts, McMaster University, Canada.
- Familial Kidney Disease Genomics—This is an ongoing collaboration with Peter Conlon and Dervla Connaughton (Beaumont Hospital) and Dr Friedhelm Hildebrandt at Harvard Medical School, Boston Children’s Hospital
- Dr Ruth Pepper at University College London investigating the association of urine Calprotectin and disease Activity in ANCA associated Vasculitis
- Dr Roger Preston investigating mechanisms of immunothrombosis in ANCA vasculitis

Sample Collection

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<th>Urine-Metabolomics</th>
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<th>DNA</th>
<th>Whole Blood</th>
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World Kidney Day 2016

Members of the Trinity Health Kidney Centre contributed to the campaign by distributing public information resources and raising vital funds for Vasculitis Ireland Awareness (www.vasculitis-ia.org) via a bakesale at the Institute of Molecular Medicine, St James’ Hospital.

Contact Us

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