



Dr. Caigan Du



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Research interests:

Dr. Du and his team are working on:

- 1) the pathogenesis of chronic renal allograft rejection, focusing on renal interstitial fibrosis, as indicated by the phenotype change of renal tubular epithelial cells during renal allograft failure, and the impact of dysfunction of the endocrine system on renal fibrosis;
- 2) Interactions of resident renal cells with infiltrating leukocytes, particularly in the area of donor-derived chemotactic factors and T regulatory cell development within the grafts;
- 3) the cell death pathways (apoptosis and necrosis) mediating renal injury in the periods of ischemia and reperfusion; and 4) molecular control of urinary malignancies

Dr. Du has developed a close collaboration with Dr. Christopher Ngan (at UBC), Dr. Huifang Chen (University of Montreal) and other colleagues. He has received all the academic supports to his research from the Immunity and Infection Research Centre and the Prostate Centre of the Vancouver Coastal Health Research Institute. The graduate students in his laboratory will be trained under the Experimental Medicine program at the University of British Columbia.