



## **Andrea Cox, M.D., Ph.D**

### **Titles & Department**

Director, Medical Scientist Training Program, Professor of Medicine,  
Professor of Oncology

### **Specialization Areas**

Mechanisms of protective immunity against HCV infection and improve prophylactic HCV vaccine design. [Randomized Trial of a Vaccine Regimen to Prevent Chronic HCV Infection](#)

### **Summary of Research & Work**

Molecular analysis of HCV transmission, host immune responses, and virus sequence evolution, Immunometabolic profiling of SARS-CoV2 infection in immunosuppressed individuals.

### **Publications**

- [Emergency myelopoiesis distinguishes multisystem inflammatory syndrome in children from pediatric severe COVID-19](#)
- [Heterologous versus homologous boosting elicits qualitatively distinct, BA.5-cross-reactive T cells in transplant recipients](#)
- [Cross-reactive antibodies facilitate innate sensing of dengue and Zika viruses](#)
- [Metabolic programs define dysfunctional immune responses in severe COVID-19 patients](#)