Understanding the drivers of immune disease such as immunodeficiency and autoimmunity

• Our lab is interested in understanding the cellular and molecular drivers of immune disease
• This includes autoimmunity such as Systemic lupus erythematosus (SLE), allergy and immunodeficiency
• We have several projects looking at these diseases by:
  • using blood samples from patients to determine how their immune cells are defective
  • using novel mouse models we’ve generated to express the same genetic variants found in patients to determine what causes these patients’ disease

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