**Kidney Biomarkers project:**

3/18/2022:

Two related research projects:

* Yingtong Liu conducted research during 2020-2021.
  + Summary: identified **150** cell-specific markers for 73 kidney cell types and **38** diabetic kidney disease (DKD)-related biomarkers.
  + See reference: Yingtong Liu, Wenjun Ju, Becky Steck, Sanjay Jain, Matthias Kretzler and Yongqun He. Ontology-based modeling, representation, and analysis of biomarkers in healthy and disease kidney tissue. The 12th International Conference on Biomedical Ontologies (ICBO 2021), Virtual conference hosted in Bolzano, Italy, September 15-18, 2021. 7-page conference paper ( <http://ceur-ws.org/Vol-3073/paper8.pdf> ). Early Career presentation by Liu.
* Lia G. Papageorge conducted AKI biomarkers research since September 2021.
  + This is Lia’s UROP research project.