

# HUMAN GENETICS

## 2020-2021 JOURNAL CLUBS

*Wednesdays, 4:00 - 5:00 p.m.*

---

---

**January 12, 2022**

**TOPIC: “Considering the Role of Sex in Genetic Studies”**

**Student Discussion Leader: Alexis Thornburg**

**Faculty Discussion Leaders: Hae Kyung Im / Marcelo Nobrega / Carole Ober**

**Paper:** The role of sex in the genomics of human complex traits. [Nature Reviews Genetics](#) volume 20, pages 173–190 (2019)

---

**February 2, 2022**

**TOPIC: “Genetic ancestry & geography in human complex trait genetics”**

**Student Discussion Leader: Maggie Steiner**

**Faculty Discussion Leaders: Anna Di Rienzo & John Novembre**

**Paper 1:** The history and geographic distribution of a KCNQ1 atrial fibrillation risk allele. [Nature Communications](#) volume 12, Article number: 6442 (2021)

**Paper 2:** [Getting Genetic Ancestry Right for Science and Society](#)

---

**April 6, 2022**

**TOPIC: “Polygenic Risk Score Prediction in Ancestrally Diverse Populations”**

**Student Discussion Leader: Sheng Qian**

**Additional Discussion Leaders:**

**Paper:** [Improving Polygenic Prediction in Ancestrally Diverse Populations](#)

---

**April 27, 2022 - CANCELLED**

**TOPIC: “Challenges surrounding clinical implementation of PRS”**

**Student Discussion Leader: Renee Fonseca**

**Additional Discussion Leaders: Sonia Kupfer & Xuanyao Liu**

**Paper 1:** The personal and clinical utility of polygenic risk scores [Nature Reviews Genetics](#) volume 19, pages 581–590 (2018)

**Paper 2:** Clinical use of current polygenic risk scores may exacerbate health disparities. [Nature Genetics](#) volume 51, pages 584–591 (2019)

---

---

**NOTE: Until further notice the HG WIP will be held virtually.**

For additional information, please contact Sue Levison at [slevison@bsd.uchicago.edu](mailto:slevison@bsd.uchicago.edu)

---

April 25, 2022