



Christopher Maximilian Arends

Postdoctoral Scholar, Pathology

Bio

HONORS AND AWARDS

- Walter Benjamin Scholar, Deutsche Forschungsgemeinschaft (2024-2025)

PROFESSIONAL EDUCATION

- MD, Charité University Medicine Berlin, Germany , Medicine (2020)
- Diploma, Heidelberg University, Germany , Physics (2012)

STANFORD ADVISORS

- Siddhartha Jaiswal, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Using genetic models of large-scale biobanks in combination with experimental models to study hallmarks of hematopoietic stem cell ageing, such as age-related myeloid-bias and clonal hematopoiesis.

Publications

PUBLICATIONS

- **Environmental Pollution Triggers Inflammation In Vivo and is Associated With Higher Risk MDS in an Urban Cohort.** *American journal of hematology*
Verma, M., Davidsohn, M. P., Arends, C. M., Verma, D., Sahu, S., Pradhan, K., Dehghani, S. S., Murli, H., Jasra, S., Aggarwal, R. K., Zhang, H., Wysota, M., Hosgood, et al
2025
- **The CD33 SNP rs3865444 modulates the association of clonal hematopoiesis with Alzheimer's disease**
Arends, C., Mitchell, S., Bynum, A., Bhattacharya, D., Belk, J., Nachun, D., Jaiswal, S.
ELSEVIER.2025: 1401-1402
- **Gene-Specific Machine Learning Models to Classify Driver Mutations in Clonal Hematopoiesis.** *Cancer discovery*
Arends, C. M., Jaiswal, S.
2024; 14 (9): 1581-1583
- **Dynamics of clonal hematopoiesis and risk of hematologic malignancy.** *International journal of hematology*
Arends, C. M., Jaiswal, S.
2024