



Emily Alsentzer

Assistant Professor of Biomedical Data Science, of Medicine (Computational Medicine) and, by courtesy, of Computer Science

Department of Biomedical Data Science

Bio

BIO

Dr. Emily Alsentzer is an Assistant Professor in Biomedical Data Science and, by courtesy, Computer Science at Stanford University. Her research leverages machine learning (ML) and natural language processing (NLP) to augment clinical decision-making and broaden access to high quality healthcare. She focuses on integrating medical expertise into ML models to ensure responsible deployment in clinical workflows. Dr. Alsentzer completed a postdoctoral fellowship at Brigham and Women's Hospital where she worked to deploy ML models within the Mass General Brigham healthcare system. She received her PhD from the Health Sciences and Technology program at MIT and Harvard Medical School and holds degrees in computer science (BS) and biomedical informatics (MS) from Stanford University. She has served as General Chair for the Machine Learning for Health Symposium and founding organizer for SAIL and the Conference on Health, Inference, and Learning (CHIL).

ACADEMIC APPOINTMENTS

- Assistant Professor, Department of Biomedical Data Science
- Assistant Professor, Computational Medicine
- Assistant Professor (By courtesy), Computer Science
- Member, Maternal & Child Health Research Institute (MCHRI)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Treasurer and Board Member, Association for Health Learning and Inference (<https://ahli.cc/>) (2021 - present)

PROFESSIONAL EDUCATION

- Postdoctoral Fellow, Brigham and Women's Hospital
- PhD, Massachusetts Institute of Technology and Harvard Medical School , Health Sciences and Technology (HST) Program
- MS, Stanford University , Biomedical Informatics
- BS, Stanford University , Computer Science

LINKS

- alsentzerlab.stanford.edu: alsentzerlab.stanford.edu

Teaching

COURSES

2025-26

- Foundations of Healthcare Data for Machine Learning: BMDS 218, CS 287 (Win)

2024-25

- Biomedical Data Science Student Seminar: BIOMEDIN 201 (Spr)
- Clinical Experience Seminar for Students in Biomedical Data Science: BIOMEDIN 304 (Sum)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Yixing Jiang

Orals Chair

Edward Chen

Postdoctoral Faculty Sponsor

Chloe Stanwyck

Doctoral Dissertation Advisor (AC)

Jordan Cahoon, Fiona Cai, Bridget Lin

Master's Program Advisor

Darren Chan, Anastasia Mirov

Doctoral (Program)

Catherine Mailly, Andrew Shen