

Stanford



Stefano Avanzini

Postdoctoral Research Fellow, Radiology

Bio

PROFESSIONAL EDUCATION

- PhD, University of Edinburgh , Applied and Computational Mathematics (2019)
- MSc, Università di Bologna , Mathematics (2015)
- BSc, Università degli Studi di Parma , Mathematics (2012)

STANFORD ADVISORS

- Johannes Reiter, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Johannes Reiter, Reiter Lab (10/1/2019 - - 9/30/2021)

Publications

PUBLICATIONS

- **A mathematical model of ctDNA shedding predicts tumor detection size.** *Science advances*
Avanzini, S., Kurtz, D. M., Chabon, J. J., Moding, E. J., Hori, S. S., Gambhir, S. S., Alizadeh, A. A., Diehn, M., Reiter, J. G.
2020; 6 (50)
- **ctDNA shedding dynamics dictate early lung cancer detection potential**
Avanzini, S., Kurtz, D. M., Chabon, J. J., Hori, S. S., Alizadeh, A. A., Diehn, M., Reiter, J. G.
AMER ASSOC CANCER RESEARCH.2020: 25
- **Cancer recurrence times from a branching process model.** *PLoS computational biology*
Avanzini, S. n., Antal, T. n.
2019; 15 (11): e1007423