



Adam White

Postdoctoral Research Fellow, Genetics

 NIH Biosketch available Online

Bio

BIO

Adam White is a postdoctoral research fellow in the department of Genetics, jointly supervised by Polly Fordyce and Stephen Quake. He is also the director of the Stanford Microfluidics Foundry. His research focuses on the development of spectrally encoded beads for multiplexed biological assays. Adam received his PhD in Genome Science and Technology from the University of British Columbia for developing integrated microfluidic devices for high-throughput single cell reverse transcription quantitative PCR.

HONORS AND AWARDS

- Postdoctoral Fellowship, Natural Sciences and Engineering Research Council of Canada (NSERC) (2017 - 2018)
- Jump Start Award for Excellence in Research, Stanford University (2016)
- Alexander Graham Bell Canada Graduate Scholarship – Doctoral, Natural Sciences and Engineering Research Council of Canada (NSERC) (2012)
- Four-Year Fellowship, University of British Columbia (2010)
- Paul Geyer Graduate Award in Biomedical Engineering, University of British Columbia (2009)
- Junior Research Trainee, Michael Smith Foundation for Health (2008)
- Dean of Science Scholarship, University of British Columbia (2006)
- Undergraduate Scholar Program Scholarship, University of British Columbia (2001)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of British Columbia (2015)
- Postdoc, Stanford University , Genetics (2016)
- PhD, University of British Columbia , Genome Science and Technology (2016)
- MAsc, University of British Columbia , Biomedical Engineering (2010)
- BSc, University of British Columbia , Physics (2007)

STANFORD ADVISORS

- Polly Fordyce, Postdoctoral Faculty Sponsor

LINKS

- Publications list (Google Scholar): <https://scholar.google.com/citations?user=fgcB0hcAAAAJ&hl=en>

Research & Scholarship

LAB AFFILIATIONS

- Stephen Quake, Quake Lab (1/1/2016)
- Polly Fordyce, Fordyce Lab (1/1/2016)

Publications

PUBLICATIONS

- **Outstanding Reviewers for Lab on a Chip in 2017** *LAB ON A CHIP*
Chen, C., Collins, D., Devendran, C., Di Carlo, D., Herr, A., Meagher, R., Takeuchi, S., White, A., Young, E., Zhou, J.
2018; 18 (10): 1398
- **Highly multiplexed single-cell quantitative PCR** *PLOS ONE*
VanInsberghe, M., Zahn, H., White, A. K., Petriv, O. I., Hansen, C. L.
2018; 13 (1): e0191601
- **Multi-step Variable Height Photolithography for Valved Multilayer Microfluidic Devices.** *Journal of visualized experiments : JoVE*
Brower, K., White, A. K., Fordyce, P. M.
2017
- **High-Throughput Microfluidic Single-Cell Digital Polymerase Chain Reaction** *ANALYTICAL CHEMISTRY*
White, A. K., Heyries, K. A., Doolin, C., VanInsberghe, M., Hansen, C. L.
2013; 85 (15): 7182–90
- **Microfluidic single cell analysis: from promise to practice.** *Current opinion in chemical biology*
Lecault, V., White, A. K., Singhal, A., Hansen, C. L.
2012; 16 (3-4): 381–90
- **High-throughput microfluidic single-cell RT-qPCR.** *Proceedings of the National Academy of Sciences of the United States of America*
White, A. K., VanInsberghe, M., Petriv, O. I., Hamidi, M., Sikorski, D., Marra, M. A., Piret, J., Aparicio, S., Hansen, C. L.
2011; 108 (34): 13999–4004
- **High-throughput analysis of single hematopoietic stem cell proliferation in microfluidic cell culture arrays.** *Nature methods*
Lecault, V., Vaninsberghe, M., Sekulovic, S., Knapp, D. J., Wohrer, S., Bowden, W., Viel, F., McLaughlin, T., Jarandehi, A., Miller, M., Falconnet, D., White, A. K., Kent, et al
2011; 8 (7): 581–86