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EDUCATION	University of California, San Diego Ph.D. in Electrical & Computer Engineering Advisor: Vineet Bafna, co-advisor: Siavash Mirarab M.Sc. in Electrical & Computer Engineering Sharif University of Technology , Tehran, Iran B.Sc. in Electrical Engineering B.Sc. in Computer Science	2013 – 2018 2018 2016 2008 – 2013 2013 2013
RESEARCH EXPERIENCES	Postdoctoral Research Fellow Harvard Medical School Broad Institute of MIT and Harvard Advisor: David Reich Research Assistant University of California, San Diego Computer Science & Engineering, Bioinformatics Lab Advisor: Vineet Bafna Ph.D. dissertation title: “Looking Into the Past: Identifying Genetic Mutations and Introgression Events that Shaped Human Adaptation” <i>My dissertation was broadly focused on population genomics with specific interest in developing computational methods to pinpoint the favored allele in a region undergoing a positive selective sweep and identifying adaptive introgression in human population.</i> Intern EPFL, Lausanne, Switzerland School of Computer and Communication Sciences (IC) Advisors: Prof. Matthias Grossglauser and Prof. Patrik Thiran <i>Leveraging machine learning techniques to detect geo-spatial event by monitoring public tweets in a specific geographic region.</i>	Jan 2019 – present Jul 2014 – Dec 2018 Summer 2012
PUBLICATIONS	* denotes equal contributions Samira Asgari, Yang Luo, Ali Akbari , Gillian M Belbin, Xinyi Li, Daniel N Harris, Martin Selig, Eric Bartell, Roger Calderon, Kamil Slowikowski, and others. A positively selected fbn1 missense variant reduces height in peruvian individuals. <i>Nature</i> , pages 1–6, 2020. Robert Maier*, Ali Akbari *, Xinzhu Wei, Nick Patterson, Rasmus Nielsen, and David Reich. No statistical evidence for an effect of CCR5- Δ 32 on lifespan in the uk biobank cohort. <i>Nature Medicine</i> , 26(2):178–180, 2020.	

Ali Akbari, Joseph J Vitti, Arya Iranmehr, Mehrdad Bakhtiari, Pardis C Sabeti, Siavash Mirarab, and Vineet Bafna. Identifying the favored mutation in a positive selective sweep. *Nature methods*, 15(4):279, 2018.

Priti Azad, Tsering Stobdan, Dan Zhou, Iain Hartley, Ali Akbari, Vineet Bafna, and Gabriel G Haddad. High-altitude adaptation in humans: from genomics to integrative physiology. *Journal of Molecular Medicine*, 95(12):1269–1282, 2017.

Arya Iranmehr, Ali Akbari, Christian Schlötterer, and Vineet Bafna. Clear: composition of likelihoods for evolve and resequence experiments. *Genetics*, 206(2):1011–1023, 2017.

Tsering Stobdan*, Ali Akbari*, Priti Azad, Dan Zhou, Orit Poulsen, Otto Appenzeller, Gustavo F Gonzales, Amalio Telenti, Emily HM Wong, Shubham Saini, and others. New insights into the genetic basis of monge’s disease and adaptation to high-altitude. *Molecular biology and evolution*, 34(12):3154–3168, 2017.

Erika L Flannery, Tina Wang, Ali Akbari, Victoria C Corey, Felicia Gunawan, A Taylor Bright, Matthew Abraham, Juan F Sanchez, Meddly L Santolalla, G Christian Baldeviano, and others. Next-generation sequencing of plasmodium vivax patient samples shows evidence of direct evolution in drug-resistance genes. *ACS infectious diseases*, 1(8):367–379, 2015.

Roy Ronen, Glenn Tesler, Ali Akbari, Shay Zakov, Noah A Rosenberg, and Vineet Bafna. Haplotype allele frequency (haf) score: predicting carriers of ongoing selective sweeps without knowledge of the adaptive allele. In *International Conference on Research in Computational Molecular Biology*, pages 276–280. Springer, Cham, 2015.

Roy Ronen*, Glenn Tesler*, Ali Akbari*, Shay Zakov, Noah A Rosenberg, and Vineet Bafna. Predicting carriers of ongoing selective sweeps without knowledge of the favored allele. *PLoS genetics*, 11(9):e1005527, 2015.

CONFERENCE TALKS	ASHG, <i>American Society of Human Genetics</i> , Orlando, FL, “Fine-mapping the favored mutation in a positive selective sweep”.	Oct 2017
HONORS & AWARDS	ECE department Fellowship, UC San Diego Summer @ EPFL Scholarship, Lausanne, Switzerland Exceptional Talent Fellowship, Iran National Institute of the Elite Ranked 45 th /320,000 in the Iranian National University Entrance Exam	2013 – 2014 Summer 2012 2008 – 2013 2008
TEACHING EXPERIENCES	Teaching Assistant , Sharif University of Technology Probability & Statistics Logic Circuits Principles of Electrical Engineering	Spring 2011 Spring 2011 Fall 2010, 2011