

Stanford



Sahin Naqvi

Postdoctoral Scholar, Chemical and Systems Biology

Bio

HONORS AND AWARDS

- Postdoctoral Research Fellowship, Helen Hay Whitney Foundation (2020-2023)
- Elizabeth Young New Investigator Award, Organization for the Study of Sex Differences (2015)
- Presidential Fellowship, Massachusetts Institute of Technology (2012-2013)
- Sigma Xi Research Society, Princeton University (2012)

PROFESSIONAL EDUCATION

- Bachelor of Arts, Princeton University (2012)
- Doctor of Philosophy, Massachusetts Institute of Technology (2019)
- PhD, Massachusetts Institute of Technology , Biology (2019)
- AB, Princeton University , Molecular and Cellular Biology (2012)

STANFORD ADVISORS

- Joanna Wysocka, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Joanna Wysocka (5/1/2019)
- Jonathan Pritchard (5/1/2019)

Publications

PUBLICATIONS

- A genome-wide genetic screen uncovers determinants of human pigmentation. *Science (New York, N.Y.)* Bajpai, V. K., Swigut, T., Mohammed, J., Naqvi, S., Arreola, M., Tycko, J., Kim, T. C., Pritchard, J. K., Bassik, M. C., Wysocka, J. 2023; 381 (6658): eade6289
- Precise modulation of transcription factor levels identifies features underlying dosage sensitivity. *Nature genetics* Naqvi, S., Kim, S., Hoskens, H., Matthews, H. S., Spritz, R. A., Klein, O. D., Hallgrímsson, B., Swigut, T., Claes, P., Pritchard, J. K., Wysocka, J. 2023
- Systematic discovery and perturbation of regulatory genes in human T cells reveals the architecture of immune networks. *Nature genetics* Freimer, J. W., Shaked, O., Naqvi, S., Sinnott-Armstrong, N., Kathiria, A., Garrido, C. M., Chen, A. F., Cortez, J. T., Greenleaf, W. J., Pritchard, J. K., Marson, A. 2022

- **Decoding the Human Face: Challenges and Progress in Understanding the Genetics of Craniofacial Morphology.** *Annual review of genomics and human genetics*
Naqvi, S., Hoskens, H., Wilke, F., Weinberg, S. M., Shaffer, J. R., Walsh, S., Shriver, M. D., Wysocka, J., Claes, P.
2022
- **Genome scans of facial features in East Africans and cross-population comparisons reveal novel associations.** *PLoS genetics*
Liu, C., Lee, M. K., Naqvi, S., Hoskens, H., Liu, D., White, J. D., Indencleef, K., Matthews, H., Eller, R. J., Li, J., Mohammed, J., Swigut, T., Richmond, et al
2021; 17 (8): e1009695
- **3D facial phenotyping by biometric sibling matching used in contemporary genomic methodologies.** *PLoS genetics*
Hoskens, H., Liu, D., Naqvi, S., Lee, M. K., Eller, R. J., Indencleef, K., White, J. D., Li, J., Larmuseau, M. H., Hens, G., Wysocka, J., Walsh, S., Richmond, et al
2021; 17 (5): e1009528
- **Shared heritability of human face and brain shape.** *Nature genetics*
Naqvi, S., Slep, Y., Hoskens, H., Indencleef, K., Spence, J. P., Bruffaerts, R., Radwan, A., Eller, R. J., Richmond, S., Shriver, M. D., Shaffer, J. R., Weinberg, S., M., Walsh, et al
2021
- **GWAS of three molecular traits highlights core genes and pathways alongside a highly polygenic background.** *eLife*
Sinnott-Armstrong, N., Naqvi, S., Rivas, M., Pritchard, J. K.
2021; 10
- **The Intersection of the Genetic Architectures of Orofacial Clefts and Normal Facial Variation.** *Frontiers in genetics*
Indencleef, K., Hoskens, H., Lee, M. K., White, J. D., Liu, C., Eller, R. J., Naqvi, S., Wehby, G. L., Moreno Uribe, L. M., Hecht, J. T., Long, R. E., Christensen, K., Deleyannis, et al
2021; 12: 626403
- **Human-chimpanzee fused cells reveal cis-regulatory divergence underlying skeletal evolution.** *Nature genetics*
Gokhman, D. n., Agoglia, R. M., Kinnebrew, M. n., Gordon, W. n., Sun, D. n., Bajpai, V. K., Naqvi, S. n., Chen, C. n., Chan, A. n., Chen, C. n., Petrov, D. A., Ahituv, N. n., Zhang, et al
2021
- **Publisher Correction: Human-chimpanzee fused cells reveal cis-regulatory divergence underlying skeletal evolution.** *Nature genetics*
Gokhman, D. n., Agoglia, R. M., Kinnebrew, M. n., Gordon, W. n., Sun, D. n., Bajpai, V. K., Naqvi, S. n., Chen, C. n., Chan, A. n., Chen, C. n., Petrov, D. A., Ahituv, N. n., Zhang, et al
2021
- **Insights into the genetic architecture of the human face.** *Nature genetics*
White, J. D., Indencleef, K., Naqvi, S., Eller, R. J., Hoskens, H., Roosenboom, J., Lee, M. K., Li, J., Mohammed, J., Richmond, S., Quillen, E. E., Norton, H. L., Feingold, et al
2020
- **Quantitative analysis of Y-Chromosome gene expression across 36 human tissues.** *Genome research*
Godfrey, A. K., Naqvi, S., Chmátl, L., Chick, J. M., Mitchell, R. N., Gygi, S. P., Skaletsky, H., Page, D. C.
2020
- **Mammalian germ cells are determined after PGC colonization of the nascent gonad.** *Proceedings of the National Academy of Sciences of the United States of America*
Nicholls, P. K., Schorle, H., Naqvi, S., Hu, Y. C., Fan, Y., Carmell, M. A., Dobrinski, I., Watson, A. L., Carlson, D. F., Fahrenkrug, S. C., Page, D. C.
2019
- **Conservation, acquisition, and functional impact of sex-biased gene expression in mammals.** *Science (New York, N.Y.)*
Naqvi, S., Godfrey, A. K., Hughes, J. F., Goodheart, M. L., Mitchell, R. N., Page, D. C.
2019; 365 (6450)
- **Conserved microRNA targeting reveals preexisting gene dosage sensitivities that shaped amniote sex chromosome evolution.** *Genome research*
Naqvi, S., Bellott, D. W., Lin, K. S., Page, D. C.
2018; 28 (4): 474-483
- **Chemical sensing by nonequilibrium cooperative receptors.** *Physical review letters*
Skoge, M., Naqvi, S., Meir, Y., Wingreen, N. S.

