

Stanford



Maya M. Kasowski

Assistant Professor of Medicine (Sean N Parker Center for Allergy and Asthma Research) of Pathology and, by courtesy, of Genetics

CLINICAL OFFICES

- **Department of Pathology**

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Bio

CLINICAL FOCUS

- Pathology

ACADEMIC APPOINTMENTS

- Assistant Professor, Medicine
- Assistant Professor, Pathology
- Assistant Professor (By courtesy), Genetics
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

PROFESSIONAL EDUCATION

- Medical Education: Yale School Of Medicine Office of Student Affairs (2016) CT
- Residency: Stanford University Pathology Fellowships CA

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Yuan Pang Hsieh

Postdoctoral Research Mentor

Yuan Pang Hsieh

Publications

PUBLICATIONS

- **Perspectives on ENCODE.** *Nature*

- ENCODE Project Consortium, Snyder, M. P., Gingeras, T. R., Moore, J. E., Weng, Z., Gerstein, M. B., Ren, B., Hardison, R. C., Stamatoyannopoulos, J. A., Graveley, B. R., Feingold, E. A., Pazin, M. J., Pagan, M., et al
2020; 583 (7818): 693–98
- **Metabolomics in acute myeloid leukemia.** *Molecular genetics and metabolism*
Wojcicki, A. V., Kasowski, M. M., Sakamoto, K. M., Lacayo, N.
2020
 - **Expanded encyclopaedias of DNA elements in the human and mouse genomes.** *Nature*
Moore, J. E., Purcaro, M. J., Pratt, H. E., Epstein, C. B., Shores, N., Adrian, J., Kawli, T., Davis, C. A., Dobin, A., Kaul, R., Halow, J., Van Nostrand, E. L., Freese, et al
2020; 583 (7818): 699–710
 - **Remodeling of active endothelial enhancers is associated with aberrant gene-regulatory networks in pulmonary arterial hypertension.** *Nature communications*
Reyes-Palomares, A., Gu, M., Grubert, F., Berest, I., Sa, S., Kasowski, M., Arnold, C., Shuai, M., Srivas, R., Miao, S., Li, D., Snyder, M. P., Rabinovitch, et al
2020; 11 (1): 1673
 - **Landscape of cohesin-mediated chromatin loops in the human genome.** *Nature*
Grubert, F., Srivas, R., Spacek, D. V., Kasowski, M., Ruiz-Velasco, M., Sinnott-Armstrong, N., Greenside, P., Narasimha, A., Liu, Q., Geller, B., Sanghi, A., Kulik, M., Sa, et al
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 - **An improved ATAC-seq protocol reduces background and enables interrogation of frozen tissues.** *Nature methods*
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2017
 - **Genetic Control of Chromatin States in Humans Involves Local and Distal Chromosomal Interactions** *CELL*
Grubert, F., Zaugg, J. B., Kasowski, M., Ursu, O., Spacek, D. V., Martin, A. R., Greenside, P., Srivas, R., Phanstiel, D. H., Pekowska, A., Heidari, N., Euskirchen, G., Huber, et al
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 - **Genetic Control of Chromatin States in Humans Involves Local and Distal Chromosomal Interactions.** *Cell*
Grubert, F., Zaugg, J. B., Kasowski, M., Ursu, O., Spacek, D. V., Martin, A. R., Greenside, P., Srivas, R., Phanstiel, D. H., Pekowska, A., Heidari, N., Euskirchen, G., Huber, et al
2015; 162 (5): 1051-1065
 - **Genome-wide map of regulatory interactions in the human genome** *GENOME RESEARCH*
Heidari, N., Phanstiel, D. H., He, C., Grubert, F., Jahanbani, F., Kasowski, M., Zhang, M. Q., Snyder, M. P.
2014; 24 (12): 1905-1917
 - **Extensive Variation in Chromatin States Across Humans** *SCIENCE*
Kasowski, M., Kyriazopoulou-Panagiotopoulou, S., Grubert, F., Zaugg, J. B., Kundaje, A., Liu, Y., Boyle, A. P., Zhang, Q. C., Zakharia, F., Spacek, D. V., Li, J., Xie, D., Olarerin-George, et al
2013; 342 (6159): 750-752
 - **An integrated encyclopedia of DNA elements in the human genome** *NATURE*
Dunham, I., Kundaje, A., Aldred, S. F., Collins, P. J., Davis, C., Doyle, F., Epstein, C. B., Frietze, S., Harrow, J., Kaul, R., Khatun, J., Lajoie, B. R., Landt, et al
2012; 489 (7414): 57-74
 - **Architecture of the human regulatory network derived from ENCODE data** *NATURE*
Gerstein, M. B., Kundaje, A., Hariharan, M., Landt, S. G., Yan, K., Cheng, C., Mu, X. J., Khurana, E., Rozowsky, J., Alexander, R., Min, R., Alves, P., Abyzov, et al
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 - **Annotation of functional variation in personal genomes using RegulomeDB** *GENOME RESEARCH*
Boyle, A. P., Hong, E. L., Hariharan, M., Cheng, Y., Schaub, M. A., Kasowski, M., Karczewski, K. J., Park, J., Hitz, B. C., Weng, S., Cherry, J. M., Snyder, M.
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 - **Personal Omics Profiling Reveals Dynamic Molecular and Medical Phenotypes** *CELL*

Chen, R., Mias, G. I., Li-Pook-Than, J., Jiang, L., Lam, H. Y., Chen, R., Miriami, E., Karczewski, K. J., Hariharan, M., Dewey, F. E., Cheng, Y., Clark, M. J., Im, et al

2012; 148 (6): 1293-1307

● **A User's Guide to the Encyclopedia of DNA Elements (ENCODE)** *PLOS BIOLOGY*

Myers, R. M., Stamatoyannopoulos, J., Snyder, M., Dunham, I., Hardison, R. C., Bernstein, B. E., Gingeras, T. R., Kent, W. J., Birney, E., Wold, B., Crawford, G. E., Bernstein, B. E., Epstein, et al

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● **Variation in Transcription Factor Binding Among Humans** *SCIENCE*

Kasowski, M., Grubert, F., Heffelfinger, C., Hariharan, M., Asabere, A., Waszak, S. M., Habegger, L., Rozowsky, J., Shi, M., Urban, A. E., Hong, M., Karczewski, K. J., Huber, et al

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