



## Glenn Markov

Postdoctoral Research Fellow, Microbiology and Immunology

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , GENE-PHD (2018)
- Bachelor of Science, Arizona State University , Biological Sci, biochemistry (2011)

### Publications

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#### PUBLICATIONS

- **NKX3-1 is required for induced pluripotent stem cell reprogramming and can replace OCT4 in mouse and human iPSC induction.** *Nature cell biology*  
Mai, T., Markov, G. J., Brady, J. J., Palla, A., Zeng, H., Sebastiano, V., Blau, H. M.  
2018
- **Transcriptomic Analysis of Tail Regeneration in the Lizard *Anolis carolinensis* Reveals Activation of Conserved Vertebrate Developmental and Repair Mechanisms** *PLOS ONE*  
Hutchins, E. D., Markov, G. J., Eckalbar, W. L., George, R. M., King, J. M., Tokuyama, M. A., Geiger, L. A., Emmert, N., Ammar, M. J., Allen, A. N., Siniard, A. L., Corneveaux, J. J., Fisher, et al  
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- **Whole-genome sequencing of the world's oldest people.** *PloS one*  
Gierman, H. J., Fortney, K., Roach, J. C., Coles, N. S., Li, H., Glusman, G., Markov, G. J., Smith, J. D., Hood, L., Coles, L. S., Kim, S. K.  
2014; 9 (11)
- **Whole-genome sequencing of the world's oldest people.** *PloS one*  
Gierman, H. J., Fortney, K., Roach, J. C., Coles, N. S., Li, H., Glusman, G., Markov, G. J., Smith, J. D., Hood, L., Coles, L. S., Kim, S. K.  
2014; 9 (11)
- **Genome reannotation of the lizard *Anolis carolinensis* based on 14 adult and embryonic deep transcriptomes.** *BMC genomics*  
Eckalbar, W. L., Hutchins, E. D., Markov, G. J., Allen, A. N., Corneveaux, J. J., Lindblad-Toh, K., Di Palma, F., Alföldi, J., Huentelman, M. J., Kusumi, K.  
2013; 14: 49-?
- **Human genomic disease variants: A neutral evolutionary explanation** *GENOME RESEARCH*  
Dudley, J. T., Kim, Y., Liu, L., Markov, G. J., Gerold, K., Chen, R., Butte, A. J., Kumar, S.  
2012; 22 (8): 1383-1394
- **Somitogenesis in the anole lizard and alligator reveals evolutionary convergence and divergence in the amniote segmentation clock** *DEVELOPMENTAL BIOLOGY*  
Eckalbar, W. L., Lasku, E., Infante, C. R., Elsey, R. M., Markov, G. J., Allen, A. N., Corneveaux, J. J., Losos, J. B., DeNardo, D. F., Huentelman, M. J., Wilson-Rawls, J., Rawls, A., Kusumi, et al  
2012; 363 (1): 308-319
- **Positional conservation and amino acids shape the correct diagnosis and population frequencies of benign and damaging personal amino acid mutations** *GENOME RESEARCH*

Kumar, S., Suleski, M. P., Markov, G. J., Lawrence, S., Marco, A., Filipski, A. J.

2009; 19 (9): 1562-1569