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Ph.D. Student in Genetics, admitted Autumn 2016

Publications

PUBLICATIONS

- **Genetic regulation of gene expression and splicing during a 10-year period of human aging.** *Genome biology*
Balliu, B., Durrant, M., Goede, O. d., Abell, N., Li, X., Liu, B., Gloude-mans, M. J., Cook, N. L., Smith, K. S., Knowles, D. A., Pala, M., Cucca, F., Schlessinger, et al
2019; 20 (1): 230
- **BCDIN3D regulates tRNAHis 3' fragment processing.** *PLoS genetics*
Reinsborough, C. W., Ipas, H., Abell, N. S., Nottingham, R. M., Yao, J., Devanathan, S. K., Shelton, S. B., Lambowitz, A. M., Xhemalce, B.
2019; 15 (7): e1008273
- **Transcriptional and Position Effect Contributions to rAAV-Mediated Gene Targeting**
Spector, L. P., Tiffany, M., Ferraro, N. M., Abell, N. S., Montgomery, S. B., Kay, M. A.
CELL PRESS.2019: 294
- **Genetic analyses of human fetal retinal pigment epithelium gene expression suggest ocular disease mechanisms.** *Communications biology*
Liu, B., Calton, M. A., Abell, N. S., Benchorin, G., Gloude-mans, M. J., Chen, M., Hu, J., Li, X., Balliu, B., Bok, D., Montgomery, S. B., Vollrath, D.
2019; 2: 186
- **Crosstalk between the RNA Methylation and Histone-Binding Activities of MePCE Regulates P-TEFb Activation on Chromatin** *CELL REPORTS*
Shelton, S. B., Shah, N. M., Abell, N. S., Devanathan, S. K., Mercado, M., Xhemalce, B.
2018; 22 (6): 1374–83
- **Click Quantitative Mass Spectrometry Identifies PIWIL3 as a Mechanistic Target of RNA Interference Activator Enoxacin in Cancer Cells** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
Abell, N. S., Mercado, M., Caneque, T., Rodriguez, R., Xhemalce, B.
2017; 139 (4): 1400-1403
- **Chromatin Regulates Genome Targeting with Cisplatin.** *Angewandte Chemie (International ed. in English)*
Zacharioudakis, E., Agarwal, P., Bartoli, A., Abell, N., Kunalingam, L., Bergoglio, V., Xhemalce, B., Miller, K. M., Rodriguez, R.
2017; 56 (23): 6483–87
- **Genetic effects on gene expression across human tissues.** *Nature*
Battle, A., Brown, C. D., Engelhardt, B. E., Montgomery, S. B.
2017; 550 (7675): 204–13
- **Small RNA Sequencing in Cells and Exosomes Identifies eQTLs and 14q32 as a Region of Active Export** *G3-GENES GENOMES GENETICS*
Tsang, E. K., Abell, N. S., Li, X., Anaya, V., Karczewski, K. J., Knowles, D. A., Sierra, R. G., Smith, K. S., Montgomery, S. B.
2017; 7 (1): 31-39
- **MiR-191 Regulates Primary Human Fibroblast Proliferation and Directly Targets Multiple Oncogenes** *PLOS ONE*
Polioudakis, D., Abell, N. S., Iyer, V. R.
2015; 10 (5)
- **miR-503 represses human cell proliferation and directly targets the oncogene DDHD2 by non-canonical target pairing** *BMC GENOMICS*
Polioudakis, D., Abell, N. S., Iyer, V. R.
2015; 16

- **A Myc-microRNA network promotes exit from quiescence by suppressing the interferon response and cell-cycle arrest genes** *NUCLEIC ACIDS RESEARCH*
Polioudakis, D., Bhinge, A. A., Killion, P. J., Lee, B., Abell, N. S., Iyer, V. R.
2013; 41 (4): 2239-2254