

Publications

Representative publications:

1. S. Müller, G. Kohanbash, S. Liu, B. Alvarado, D. Carrera, A. Bhaduri, P. Watchmaker, G. Yagnik, E. Di Lullo, M. Malatesta, N. Amankulor, A. Kriegstein, D. Lim, M. Aghi, H. Okada, **A. Diaz**. [1]Single-cell profiling of human gliomas reveals macrophage ontogeny as a basis for regional differences in macrophage activation in the tumor microenvironment [2]. **Genome Biology**. 18, 2017.
2. S. Müller, S. J. Liu, E. Di Lullo, M. Malatesta, A. Pollen, T. J. Nowakowski, G. Kohanbash, M. Aghi, A. Kriegstein, D. A. Lim, **A. Diaz**. Single-cell sequencing maps gene expression to mutational phylogenies in PDGF and EGF driven gliomas. [3] **Molecular Systems Biology**. 12(11), 2016.
3. S. Liu, T. Nowakowski, A. Pollen, J. Lui, M. Horlbeck, F. Attenello, D. He, J. Weissman, A. Kriegstein, **A. Diaz***, D. Lim*. Single cell analysis of long non-coding RNAs in the developing human neocortex. [4] **Genome Biology**. 17(67), 2016. * **co-corresponding authors**
4. S. Müller, S. J. Liu, M. Malatesta, M. Aghi, A. Kriegstein, G. Kohanbash, D. A. Lim, **A. Diaz**. GENT-22. Single-cell profiling of glioblastoma biopsies identifies a family of activating PDGF-receptor deletions. [5] **Neuro-Oncology**. 18(6), 2016. **Adult Basic Research Award Soc Neuro-Onc 2016**
5. **A. Diaz***, S. J. Liu, C. Sandoval, A. Pollen, T. J. Nowakowski, D. A. Lim, A. Kriegstein. SCell: integrated analysis of single-cell RNA-seq data [6]. **Bioinformatics**. 32(14), 2016. * **corresponding author**

All publications:

1. A. Cho, S. Müller, J. Liu, **A. Diaz**. CONICS integrates scRNA-seq with DNA sequencing to map gene expression to tumor sub-clones [7]. **Bioinformatics**. 2018.
2. S. Müller, E. Di Lullo, A. Bhaduri, M. Aghi, A. R. Kriegstein, D. A. Lim, **A. Diaz**. PO-334 Identification of shared lineage programs across high-grade glioma subtypes by single-cell RNA-seq [8] **ESMO Open**. 3(2), 2018.
3. A. Bulut-Karslioglu, T. Macrae, J. Osés-Prieto, S. Covarrubias, M. Percharde, G. Ku, **A. Diaz**, M. McManus, A. Burlingame, M. Ramalho-santos. The transcriptionally permissive chromatin state of ES cells is acutely tuned to translational output. [9] **Cell Stem Cell**. 22(3), 2018.
4. S. Müller, S. Agnihotri, K. Shoger, M. I. Myers, N. Smith, S. Chaparala, C. R. Villanueva, A. Chattopadhyay, A. Lee, L. H. Butterfield, **A. Diaz***, H. Okada*, I. F. Pollack*, G. Kohanbash*. Peptide vaccine immunotherapy biomarkers and response patterns in pediatric gliomas [10]. **JCI Insight**. 3(7), 2018. * - **corresponding author**
5. S. Müller, G. Kohanbash, S. Liu, B. Alvarado, D. Carrera, A. Bhaduri, P. Watchmaker, G. Yagnik, E. Di Lullo, M. Malatesta, N. Amankulor, A. Kriegstein, D. Lim, M. Aghi, H. Okada, **A. Diaz**. [1]Single-cell profiling of human gliomas reveals macrophage ontogeny as a basis for regional differences in macrophage activation in the tumor microenvironment [2]. **Genome Biology**. 18, 2017.

6. T. Bartlett, S. Müller and **A. Diaz**. Single-cell Co-expression Subnetwork Analysis ^[11]. **Scientific Reports**. 7, 2017.
7. S. Müller and **A. Diaz**. Single-Cell mRNA Sequencing in Cancer Research: Integrating the Genomic Fingerprint ^[12]. **Frontiers in Genetics**. 8, 2017.
8. S. Müller, D. He, J. Hayes, S. Liu, M. Malatesta, A. Kriegstein, M. Aghi, D. Lim, **A. Diaz**. Gene-06. Expression Of Linc00152, A Putative Sponge For Tumor-suppressive micro-rna, Correlates With Glioma Grade ^[13]. **Neuro-Oncology**. 19(6), 2017.
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10. S. Hilz, S. Shelton, L. Jalbert, H. Wong, T. Mazor, C. Hong, J. Hayes, T. Luks, H. Bengtsson, A. Molinaro, M. McDermott, M. Berger, D. Lim, **A. Diaz**, J. Phillips, S. Chang, S. Nelson, M. Oldham, J. Costello. Gene-33. The 3d Evolution And In Vivo Growth Patterns Of Glioma Cell Populations ^[15]. **Neuro-Oncology**. 19(6), 2017.
11. G. Yagnik, A. Nguyen, S. Müller, B. Alvarado, P. Watchmaker, A. Kriegstein, **A. Diaz**, M. Aghi. Tmic-10. Tumor-associated Neutrophils Promote Glioblastoma Growth Via Osteopontin In A Targetable Manner ^[16]. **Neuro-Oncology**. 19(6), 2017.
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16. S. Müller, G. Kohanbash, S. J. Liu, D. Carrera, M. Aghi, D. Lim, H. Okada, **A. Diaz**. TMIC-29 Distinct molecular signatures of microglia and macrophages in the glioma perivascular niche. ^[18] **Neuro-Oncology**. 18(6), 2016.
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