**Other Support**

**GOFF, L.A.**

ACTIVE:

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| IOS-1665692 (Brown/Goff) | 03/01/2017 – 02/28/2021 | 1.20 Calendar |
| National Science Foundation | $225,000 |  |

Cell type specific gene expression differences induced by experience-dependent plasticity

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| 2016-MSCRFI-2805 (Goff/Bjornsson) | 06/01/2016 – 05/31/2019 | 2.40 Calendar |
| Maryland Stem Cell Research Commission | $200,000 |  |

Single cell analysis of hippocampal neurogenesis defects in Kabuki Syndrome 1

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| SLI (Goff/Brown) | 06/01/2016 – 05/30/2018 | 1.20 Calendar |
| Johns Hopkins Science of Learning Institute | $100,000 |  |

Cell-type specific heterogeneity in experience-induced gene expression

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| Target ALS (Goff – Co-PI) | 05/01/2017 – 04/30/2018 | 1.80 Calendar |
| TargetALS Foundation  *Cellular Mechanisms of Cortical Hyperexcitability* | $120,000 |  |

This project will explore the cell-type-specific effects of familial ALS mutations on hyperexcitability of

cortical neurons, and the common and distinct gene expression changes that evoke this phenotype in ALS

mouse models.

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| Synergy Award (Goff) | 07/01/2017 – 06/31/2018 | 1.20 Calendar |
| Johns Hopkins School of Medicine Discovery Fund | $100,000 |  |

Systematic characterization of transcriptional variation in retinal development at single cell resolution

PENDING:

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| CZI (Goff) | 3/1/2018 - 2/28/2019 | 1.80 Calendar |
| Chan-Zuckerberg Initiative / Human Cell Atlas | $217,391 |  |

Rapid exploration, interpretation, and comparison of discrete basis vectors contributing to transcriptional

Signatures of single cells at the scale of the Human Cell Atlas with ProjectoR

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| SPARC (Chakravarti/Goff) | 1/1/2018 - 12/31/2020 | 2.40 Calendar |
| NIH Common Fund (SPARC OT2) | $310,000 |  |

Comprehensive mapping and characterization of the intrinsic and extrinsic connection matrix of the enteric

Nervous system.

NSF (Fertig) 07/01/2018-06/30/2022 1.20 Calendar

National Science Foundation $941,508

Scalable Methods for Smooth-spare non-negative Matrix Factorization in Genomics

This project is to develop efficient algorithms for pattern detection in genomics with smooth-sparse matrix factorization.

1R21AI139358-01 (Potter) 07/01/2018-06/30/2020 .6 Calendar

NIH/NIAID $275,000

Identification and characterization of mosquito sensory neurons detecting human-related cues

Mosquitoes utilize a diverse array of senses to navigate and identify human hosts for biting, and a better understanding of these sensory systems could lead to new effective methods to control mosquito populations.

OVERLAP: None