**Cluster 0**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Institutional Collaboration between LSTM and CDC and Prevention on Malaria(U01) | TMLIVERPOOL SCHOOL OF TROPICAL MEDICINE | U01 | 2015 | 0.23 |
| Towards noninvasive diagnosis of malaria | CHILDREN'S HOSP OF PHILADELPHIA | R21 | 2020 | 0.19 |
| Vaccine Development for Falciparum Malaria in Pregnant Women and Their Offspring | RHODE ISLAND HOSPITAL | K08 | 2017 | 0.19 |
| Mathematical Techniques for Control of Epidemic Trypanosoma cruzi Transmission | UNIVERSITY OF PENNSYLVANIA | K01 | 2012 | 0.12 |
| Genetic Epidemiology of ADHD | WASHINGTON UNIVERSITY | R01 | 2005 | 0.11 |

**Cluster 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Identifying Receipt of Colorectal Cancer Screening | VANDERBILT UNIVERSITY | R21 | 2008 | 0.3 |
| Reducing disparities in colorectal cancer screening in Vietnamese Americans | CANCER PREVENTION INSTIT OF CALIFORNIA | R01 | 2012 | 0.29 |
| Comprehensive Colorectal Cancer Risk Prediction to Inform Personalized Screening | FRED HUTCHINSON CANCER RESEARCH CENTER | R01 | 2020 | 0.29 |
| Promoting Colon Cancer Screening Among African Amercians | INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS | R01 | 2010 | 0.28 |
| Mammography Visits to Improve Colon Cancer Screening | UNIVERSITY OF MICHIGAN AT ANN ARBOR | K07 | 2009 | 0.28 |

**Cluster 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| NESTED CASE CONTROL STUDY OF MAMMOGRAPHIC DENSITY | UNIVERSITY OF HAWAII AT MANOA | R01 | 2002 | 0.24 |
| Quantitative Parenchyma Descriptor as an Imaging Biomarker of Breast Cancer Risk | UNIVERSITY OF MICHIGAN AT ANN ARBOR | U01 | 2019 | 0.24 |
| Migraine, Migraine Medication Use, and Risk of Breast Cancer | FRED HUTCHINSON CANCER RESEARCH CENTER | R03 | 2010 | 0.24 |
| EPIDEMIOLOGY OF MOLECULAR RISK FACTORS FOR BREAST CANCER | VANDERBILT UNIVERSITY | R01 | 2004 | 0.23 |
| Informatics Techniques to Optimize Mammography for Aging Populations | UNIVERSITY OF WISCONSIN-MADISON | R01 | 2016 | 0.23 |

**Cluster 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Digital Mammography: Advanced Computer-Aided Breast Can\* | UNIVERSITY OF MICHIGAN | R01 | 2007 | 0.17 |
| Computer-Aided Detection of Urinary Tract Cancer on MDCT Urography | UNIVERSITY OF MICHIGAN AT ANN ARBOR | R01 | 2014 | 0.17 |
| Improving Breast Cancer Detection and Diagnosis with CAD | UNIVERSITY OF PITTSBURGH AT PITTSBURGH | R01 | 2011 | 0.14 |
| DEVELOPMENT OF COMPUTER BASED TECHNIQUES IN MAMMOGRAPHY | UNIVERSITY OF MICHIGAN | R01 | 2000 | 0.13 |
| Computer-Aided Detection of Pulmonary Embolism on CT Pulmonary Angiography | UNIVERSITY OF MICHIGAN | R21 | 2007 | 0.13 |

**Cluster 4**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Very large datasets and new models to predict and design protein interactions | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | R01 | 2014 | 0.14 |
| Proteomics of ciliopathy protein complexes | UNIVERSITY OF TEXAS, AUSTIN | F31 | 2019 | 0.14 |
| Computer Studies of Protein Structure and Function | COLUMBIA UNIVERSITY HEALTH SCIENCES | R01 | 2016 | 0.14 |
| Understanding molecular rules governing protein allostery by deep mutational scanning | UNIVERSITY OF WISCONSIN-MADISON | DP2 | 2018 | 0.13 |
| Quantifying molecular consequences of human missense variants with large-scale interactome perturbation studies | CORNELL UNIVERSITY | R01 | 2020 | 0.13 |

**Cluster 5**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Investigating quantitative signatures of autism in toddlers | COLUMBIA UNIVERSITY TEACHERS COLLEGE | R01 | 2020 | 0.17 |
| Novel video-based approaches for detection of autism risk in the first year of life | UNIVERSITY OF CALIFORNIA AT DAVIS | R01 | 2020 | 0.16 |
| Evaluating Plasma and Urine Porphyrins as Biomarkers of ASD | BATTELLE CENTERS/PUB HLTH RES & EVALUATN | R21 | 2015 | 0.15 |
| Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder | UNIVERSITY OF CALIFORNIA AT DAVIS | R01 | 2019 | 0.15 |
| Cerebellar connectivity and error-based learning in infants at risk for autism | WASHINGTON UNIVERSITY | F31 | 2020 | 0.14 |

**Cluster 6**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Assessing ASL CBF as a biomarker for early Alzheimer's disease detection and disease progression | UNIVERSITY OF MARYLAND BALTIMORE | R01 | 2020 | 0.29 |
| Computational Prediction and Functional Validation of Novel Epigenetic Risk Loci in Alzheimer's Disease | EMORY UNIVERSITY | R56 | 2018 | 0.26 |
| Disparities in the Diagnosis of Alzheimer's Disease Among African American and European American Veterans | SEATTLE INST FOR BIOMEDICAL/CLINICAL RES | R56 | 2018 | 0.26 |
| Temporal Trends, Novel Imaging and Molecular Characterization of Preclinical and Clinical Alzheimer's Disease in the Framingham Cohorts | UNIVERSITY OF TEXAS HLTH SCIENCE CENTER | R01 | 2020 | 0.25 |
| Computational methods for regional hippocampal morphometry in AD | UNIVERSITY OF PENNSYLVANIA | K25 | 2011 | 0.25 |

**Cluster 7**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Data-Mining Clinical Decision Support from Electronic Health Records | STANFORD UNIVERSITY | K01 | 2019 | 0.052 |
| Deep Learning and Streaming Analytics for Prediction of Adverse Events in the ICU | UNIVERSITY OF CALIFORNIA, SAN DIEGO | K01 | 2019 | 0.051 |
| Machine Learning Clinical Order Recommendations for Specialty Consultation Care | STANFORD UNIVERSITY | R56 | 2020 | 0.049 |
| Objective Evaluation of Variation in Sepsis Incidence, Mortality, and Care | HARVARD PILGRIM HEALTH CARE, INC. | K08 | 2019 | 0.049 |
| Enhancing an EMR-Based Real-Time Sepsis Alert System Performance through Machine Learning | WAYNE STATE UNIVERSITY | R21 | 2017 | 0.048 |

**Cluster 8**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| PEDIATRIC ASTHMA DISPARITIES: PERCEPTIONS AND MANAGEMENT | RHODE ISLAND HOSPITAL | U01 | 2008 | 0.52 |
| Asthma ascertainment and characterization through electronic health records | MAYO CLINIC ROCHESTER | R01 | 2017 | 0.48 |
| Nasal biomarkers of asthma | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | R01 | 2019 | 0.46 |
| DISPARITIES IN ASTHMA AMONG ELDERLY IN WEST TEXAS | TEXAS TECH UNIVERSITY HEALTH SCIS CENTER | R03 | 2003 | 0.45 |
| Secondary use of EMR for residency training in asthma care and documentation | MAYO CLINIC ROCHESTER | R21 | 2020 | 0.44 |

**Cluster 9**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Mining Social Network Postings for Mentions of Potential Adverse Drug Reactions | ARIZONA STATE UNIVERSITY-TEMPE CAMPUS | R01 | 2015 | 0.1 |
| Social Media Mining for Pharmacovigilance | UNIVERSITY OF PENNSYLVANIA | R01 | 2020 | 0.097 |
| Data Mining Electronic Health Records for Drug Adverse Events | HARVARD PILGRIM HEALTH CARE, INC. | RC1 | 2010 | 0.094 |
| Using Biomedical Knowledge to Identify Plausible Signals for Pharmacovigilance | UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON | R01 | 2015 | 0.09 |
| Mapping the Drugome: predictive network approaches to drug safety surveillance | BOSTON CHILDREN'S HOSPITAL | R00 | 2014 | 0.084 |

**Cluster 10**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| DEVELOP NOVEL DEEP LEARNING AND COMBINATORIAL OPTIMIZATION METHODS TO IDENTIFY KEY DISEASE REGULATORY ELEMENTS FOR SINGLE-CELL DATA | UNIVERSITY OF ARKANSAS AT LITTLE ROCK | R15 | 2020 | 0.027 |
| Transformative Computational Infrastructures for Cell-Based Biomarker Diagnostics | J. CRAIG VENTER INSTITUTE, INC. | U01 | 2020 | 0.024 |
| Computational methods for the analysis of RNA-Seq data | UNIVERSITY OF WISCONSIN-MADISON | R01 | 2012 | 0.022 |
| Genetic Dissection of Cortical Parvalbumin Interneuron Subtypes | STATE UNIVERSITY NEW YORK STONY BROOK | F31 | 2020 | 0.02 |
| Cell line identification with DNA replication timing fingerprints | INSILICOM, LLC | R43 | 2019 | 0.019 |

**Cluster 11**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| EARLY DETECTION OF LUNG CANCER USING METABOLOMIC LIPID PROFILING | RUSH UNIVERSITY MEDICAL CENTER | R21 | 2014 | 0.11 |
| The benefits and harms of lung cancer screening in Florida | UNIVERSITY OF FLORIDA | R01 | 2020 | 0.11 |
| Macro-vasculature: A Novel Image Biomarker of Lung Cance | UNIVERSITY OF PITTSBURGH AT PITTSBURGH | R01 | 2020 | 0.11 |
| High Density Association Analysis of Lung Cancer | UNIVERSITY OF TX MD ANDERSON CAN CTR | R01 | 2010 | 0.11 |
| Lung cancer in East Africa and the relationship to HIV-1 infection: epidemiology, molecular characterization and imaging | CASE WESTERN RESERVE UNIVERSITY | U54 | 2020 | 0.11 |

**Cluster 12**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Speech Prosody and Articulatory Dynamics in Spoken Language | UNIVERSITY OF SOUTHERN CALIFORNIA | R01 | 2016 | 0.35 |
| Functional Architecture of Speech Motor Cortex | UNIVERSITY OF CALIFORNIA, SAN FRANCISCO | U01 | 2018 | 0.32 |
| Multimodal Speech Translation for Assistive Communication | NORTHEASTERN UNIVERSITY | R21 | 2015 | 0.32 |
| SPEECH MOVEMENT CLASSIFICATION FOR ASSESSING AND TREATING ALS | MGH INSTITUTE OF HEALTH PROFESSIONS | R01 | 2018 | 0.31 |
| Speech Movement Classification for Assessing and Treating ALS | MGH INSTITUTE OF HEALTH PROFESSIONS | R01 | 2017 | 0.31 |

**Cluster 13**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| A Machine Learning Platform for Adaptive Chemical Screening | MORGRIDGE INSTITUTE FOR RESEARCH, INC. | R01 | 2020 | 0.11 |
| NOVEL PARADIGMS FOR DRUG DISCOVERY: COMPUTATIONAL MULTITARGET SCREENING | UNIVERSITY OF WASHINGTON | DP1 | 2014 | 0.1 |
| Novel Paradigms For Drug Discovery: Computational Multitarget Screening | STATE UNIVERSITY OF NEW YORK AT BUFFALO | DP1 | 2014 | 0.1 |
| Development of a Biocatalytic Platform for Convergent Synthesis of Chiral Amines | CALIFORNIA INSTITUTE OF TECHNOLOGY | R01 | 2020 | 0.1 |
| Novel deep learning strategy to better predict pharmacological properties of candidate drugs and focus discovery efforts | COLLABORATIVE DRUG DISCOVERY, INC. | R44 | 2020 | 0.099 |

**Cluster 14**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Improving Prediction of Medical Responsiveness and Clinical Outcomes in Crohn's Disease | UNIVERSITY OF MICHIGAN AT ANN ARBOR | K23 | 2019 | 0.02 |
| Multidimensional MRI-based Non-Euclidean Deep Learning to Study Osteoarthritis | UNIVERSITY OF CALIFORNIA, SAN FRANCISCO | R00 | 2020 | 0.019 |
| Advanced MR Imaging and Image Analytics as a Precision Medicine Tool to Manage ADPKD | MAYO CLINIC ROCHESTER | K01 | 2020 | 0.018 |
| RetiVue DR, a point and shoot, non-mydriatic, widefield retinal camera for diabetic eye screening | RETIVUE | R44 | 2018 | 0.018 |
| Multidimensional MRI-based Big Data Analytics to Study Osteoarthritis | UNIVERSITY OF CALIFORNIA, SAN FRANCISCO | K99 | 2017 | 0.017 |

**Cluster 15**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Computerized Adaptive Suicidal Risk Stratification and Prediction | ADAPTIVE TESTING TECHNOLOGIES | R44 | 2020 | 0.43 |
| Seasonality of Suicide and Airborne Allergens | UNIVERSITY OF MARYLAND BALTIMORE | R01 | 2009 | 0.43 |
| SEASONALITY OF SUICIDE AND AIRBORNE ALLERGENS | UNIVERSITY OF MARYLAND BALTIMORE | R01 | 2008 | 0.43 |
| Digital Monitoring of Agitation for Short-Term Suicide Risk Prediction | MASSACHUSETTS GENERAL HOSPITAL | K23 | 2020 | 0.42 |
| Treatment Utilization Before Suicide (TUBS) | HENRY FORD HEALTH SYSTEM | R01 | 2018 | 0.41 |

**Cluster 16**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Cross-frequency coupling: its role in brain function and dysfunction | GEORGETOWN UNIVERSITY | RF1 | 2020 | 0.071 |
| Bayesian Methods for Localizing Dynamic Brain Activity and Epileptogenic Zones | UNIVERSITY OF CALIFORNIA, SAN FRANCISCO | F32 | 2011 | 0.066 |
| Analysis of Nonstationary Point Process Data | CARNEGIE-MELLON UNIVERSITY | R01 | 2020 | 0.066 |
| Fusion of Electromagnetic Brain Imaging and fMRI | UNIVERSITY OF CALIFORNIA, SAN FRANCISCO | R21 | 2012 | 0.06 |
| Nonparametric Bayes Methods for Big Data in Neuroscience | DUKE UNIVERSITY | K01 | 2018 | 0.059 |

**Cluster 17**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Detection of Glaucoma Progression with Macular OCT Imaging | UNIVERSITY OF CALIFORNIA LOS ANGELES | K23 | 2016 | 0.3 |
| Functional and Structural Optical Coherence Tomography for Glaucoma | OREGON HEALTH & SCIENCE UNIVERSITY | R01 | 2020 | 0.29 |
| Medical Advice from Glaucoma Informatics (MAGI) | UNIVERSITY OF CALIFORNIA SAN DIEGO | R33 | 2005 | 0.29 |
| Diagnostic Innovations in Glaucoma: Clinical Electrophysiology | UNIVERSITY OF CALIFORNIA, SAN DIEGO | R21 | 2008 | 0.27 |
| A hybrid artificial intelligence framework for glaucoma monitoring | UNIVERSITY OF TENNESSEE HEALTH SCI CTR | R21 | 2020 | 0.26 |

**Cluster 18**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Genetic & epigenetic analysis of angiogenesis genes in recurrent prostate cancer | H. LEE MOFFITT CANCER CTR & RES INST | R01 | 2012 | 0.33 |
| Gene-Gene Interactions and Their Functional Roles in Prostate Cancer Aggressiveness | LSU HEALTH SCIENCES CENTER | R21 | 2017 | 0.33 |
| CLINICAL AND EPIDEMIOLOGICAL CENTER--PROSTATE CANCER | JOHNS HOPKINS UNIVERSITY | U01 | 2004 | 0.32 |
| Modifiable Risk Factors for Fatal Prostate Cancer: A Prospective Study In Asia | VANDERBILT UNIVERSITY | R03 | 2013 | 0.31 |
| MRI Imaging and Biomarkers for Early Detection of Aggressive Prostate Cancer | UNIVERSITY OF MIAMI SCHOOL OF MEDICINE | U01 | 2020 | 0.3 |

**Cluster 19**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Leveraging Artificial Intelligence for the assessment of severity of depressive symptoms | MASSACHUSETTS GENERAL HOSPITAL | R01 | 2020 | 0.063 |
| AUTOMATED METHODS TO SUPPORT THE DETECTION OF DEPRESSION IN DEMENTIA | CARNEGIE-MELLON UNIVERSITY | RC1 | 2010 | 0.057 |
| MoodRing: A multi-stakeholder platform to monitor and manage adolescents' depression in primary care with passive mobile sensing. | NURELM E-BUSINESS SOFTWARE | R44 | 2019 | 0.054 |
| An Expert System to Reduce Depression in Primary Care | PRO-CHANGE BEHAVIOR SYSTEMS, INC. | R44 | 2004 | 0.047 |
| Testing Scalable, Single-Session Interventions for Adolescent Depression in the context of COVID-19 | STATE UNIVERSITY NEW YORK STONY BROOK | DP5 | 2020 | 0.045 |

**Cluster 20**

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| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Biomarker panel to differentiate stroke from stroke mimic | PREDICTION SCIENCES, LLC | R43 | 2008 | 0.41 |
| Sleep apnea after stroke: Implications for screening and treatment | UNIVERSITY OF MICHIGAN AT ANN ARBOR | R01 | 2019 | 0.41 |
| Fast and Easy Assessment of Stroke | ALVA HEALTH, INC. | R43 | 2019 | 0.4 |
| Whole Transcriptome Studies of Patients with Transient Ischemic Attacks (TIAs) | UNIVERSITY OF CALIFORNIA AT DAVIS | R01 | 2020 | 0.39 |
| MEDIC ONE STROKE SCALE | UNIVERSITY OF WASHINGTON | K23 | 2003 | 0.38 |

**Cluster 21**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Leveraging large-scale national data to understand, reduce, and prevent benzodiazepine-related harms among older adults | UNIVERSITY OF MICHIGAN AT ANN ARBOR | R01 | 2020 | 0.18 |
| Preventing Future Falls among Older Adults Presenting to the Emergency Department | UNIVERSITY OF WISCONSIN-MADISON | K08 | 2020 | 0.17 |
| Older Adults & Drug Decisions: Collaboration & Outcomes | UNIVERSITY OF WISCONSIN MADISON | R01 | 2005 | 0.16 |
| Changes in Multimorbidity and Disability Among Race/Ethnic Older Adults (AD/ADRD-Focused Administrative Supplement) | OREGON HEALTH & SCIENCE UNIVERSITY | R01 | 2018 | 0.16 |
| Polypharmacy, Potentially Inappropriate Medications, and Adverse Outcomes in Older Adults with Advanced Cancer Receiving Chemotherapy | UNIVERSITY OF ROCHESTER | R03 | 2020 | 0.15 |

**Cluster 22**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Analysis of LC-MS data to identify peptide and glycan biomarkers for hepatocellul | GEORGETOWN UNIVERSITY | R01 | 2014 | 0.24 |
| Improving Diagnosis of Multiple Sclerosis Through the Integration of Novel Imaging and Laboratory Biomarkers | UNIVERSITY OF VERMONT & ST AGRIC COLLEGE | K02 | 2020 | 0.21 |
| A New Model of Peptide Fragmentation for Improved Protein Identification and Targ | UNIVERSITY OF COLORADO | R01 | 2015 | 0.19 |
| Vitamin D, Epstein-Barr virus infection, and cigarette smoking and risk of multip | HARVARD SCHOOL OF PUBLIC HEALTH | R01 | 2015 | 0.19 |
| Peptide Biomarker Discovery by Mass Spectrometry for Early Detection of Liver Can | GEORGETOWN UNIVERSITY | R21 | 2009 | 0.17 |

**Cluster 23**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| fMRI-based Biomarkers for Multiple Components of Pain | UNIVERSITY OF COLORADO | R01 | 2017 | 0.4 |
| Mechanistic Characterization of Pain in Temporomandibular Disorders: Does Pain Centralization Influence Responsiveness to Peripherally Targeted Treatments? | EMORY UNIVERSITY | R00 | 2020 | 0.39 |
| Neuroimaging-based biomarkers for two components of pain | COLUMBIA UNIV NEW YORK MORNINGSIDE | RC1 | 2010 | 0.38 |
| Development of a deep neural network to measure spontaneous pain from mouse facial expressions | UNIV OF NORTH CAROLINA CHAPEL HILL | R01 | 2020 | 0.37 |
| A Multimodal Approach for Monitoring Prolonged Acute Pain in Neonates | UNIVERSITY OF SOUTH FLORIDA | R21 | 2020 | 0.37 |

**Cluster 24**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Big Data analytics of HIV treatment gaps in South Carolina: Identification and prediction | UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA | R01 | 2020 | 0.39 |
| Big Data Analysis of HIV Risk and Epidemiology in Sub-Saharan Africa | STANFORD UNIVERSITY | R01 | 2020 | 0.36 |
| Addressing Major HIV Prevention and Health Outcomes Questions in an Era of Universal ART: Mentoring in a Community-Randomized Trial | BRIGHAM AND WOMEN'S HOSPITAL | K24 | 2020 | 0.36 |
| Developing an artificial intelligence-based mHealth intervention to increase HIV testing in Malaysia | YALE UNIVERSITY | R21 | 2020 | 0.35 |
| Tough Talks: A Disclosure Intervention for HIV+ YMSM | VIRTUALLY BETTER, INC. | R43 | 2015 | 0.35 |

**Cluster 25**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Systems Microscopy Analysis of Tumor Cell Motility in Microenvironment Context | TEMPLE UNIV OF THE COMMONWEALTH | R00 | 2017 | 0.12 |
| Systems microscopy analysis of tumor cell motility in microenvironment context | ALBERT EINSTEIN COLLEGE OF MEDICINE | K99 | 2014 | 0.12 |
| Quantitative Multimodal Image Guidance for Improved Liver Cancer Treatment | YALE UNIVERSITY | R01 | 2020 | 0.12 |
| Genotype and phenotype predictors in therapy response in renal cell carcinoma | UNIVERSITY OF PENNSYLVANIA | R01 | 2013 | 0.11 |
| Development and Dissemination of KiNet: A Novel Imaging Informatics Tool for Gastrointestinal and Pancreatic Neuroendocrine Tumors | UNIVERSITY OF COLORADO DENVER | R21 | 2020 | 0.098 |

**Cluster 26**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| A Multisite Neurobehavioral Assessment of Fetal Alcohol Spectrum Disorders | SAN DIEGO STATE UNIVERSITY | U01 | 2020 | 0.3 |
| Spectrum of and Nutritional Risk Factors for FASD in Russia and Ukraine | UNIVERSITY OF CALIFORNIA, SAN DIEGO | U01 | 2011 | 0.28 |
| Mouse Model Neuro-Facial Dysmorphology: Tanslational and Treatment Studies | INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS | U01 | 2011 | 0.27 |
| Administrative Core of the CIFASD | SAN DIEGO STATE UNIVERSITY | U24 | 2020 | 0.25 |
| Identification of fetal alcohol-affected children: Alterations in imprinted gene expression and methylation as biomarkers of neurobehavioral and growth impairment. | COLUMBIA UNIVERSITY HEALTH SCIENCES | R01 | 2020 | 0.22 |

**Cluster 27**

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| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Discovering hidden groups across tuberculosis patient and pathogen genotype data | RENSSELAER POLYTECHNIC INSTITUTE | R01 | 2010 | 0.068 |
| Identifying individuals at risk of progression to active tuberculosis | UNIVERSITY OF CALIFORNIA, SAN DIEGO | R01 | 2020 | 0.064 |
| COMMUNITY INTERVENTION TO INCREASE MAMMOGRAPHY SCREENING | INDIANA UNIV-PURDUE UNIV AT INDIANAPOLIS | R01 | 2003 | 0.064 |
| Bacterial Vaginosis and Spontaneous Abortion | TEMPLE UNIVERSITY | R01 | 2004 | 0.062 |
| AUTOMATED TELE COUNSELING FOR SCREENING MAMMOGRAPHY | BOSTON MEDICAL CENTER | R01 | 2003 | 0.061 |

**Cluster 28**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Common and Specific Risk Factors for Emotional Disorders | UNIVERSITY OF CALIFORNIA LOS ANGELES | R01 | 2006 | 0.073 |
| Common and specific risk factors for emotional disorders | NORTHWESTERN UNIVERSITY | R01 | 2006 | 0.072 |
| Environmental Risk Factors and Canine Malignant Lymphoma | UNIVERSITY OF MASSACHUSETTS AMHERST | R03 | 2005 | 0.047 |
| Epidemiology of Stress and GDM among Latina Women | UNIVERSITY OF MASSACHUSETTS AMHERST | R01 | 2009 | 0.046 |
| Antecedent Medical Conditions and Medications: Associations with the Risk and Prognosis ALS | STANFORD UNIVERSITY | R01 | 2017 | 0.044 |

**Cluster 29**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Awardee | Award Activity | Year | Sample Silhouette Score |
| Genetic Factors in Keratoconus | CEDARS-SINAI MEDICAL CENTER | R01 | 2019 | 0.094 |
| Creating a Myelomeningocele Exome Variant Map | UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON | R01 | 2018 | 0.093 |
| Clinically Relevant Genome Variation Database | STANFORD UNIVERSITY | U01 | 2016 | 0.089 |
| Statistical Tests for Mapping Genetic Determinants of Complex Traits | EMORY UNIVERSITY | R01 | 2019 | 0.088 |
| From GWAS to PheWAS: Scanning the EMR Phenome for Gene-disease Associations | VANDERBILT UNIVERSITY MEDICAL CENTER | R01 | 2017 | 0.082 |