

Resource Summary Report

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HIV Neurobehavioral Research Center

RRID:SCR_005370

Type: Tool

Proper Citation

HIV Neurobehavioral Research Center (RRID:SCR_005370)

Resource Information

URL: <http://hnrc.hivresearch.ucsd.edu/>

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Description: The mission of the HIV Neurobehavioral Research Center (HNRC) is to increase our understanding of how HIV and other diseases affect the human nervous system. The HNRC conducts local, national, and international research devoted to advancing our knowledge of the prevention, diagnosis and treatment of HIV-related diseases as they affect the brain and nervous system, and result in impairment of everyday functioning. Research areas of the Center include: - The incidence, prevalence, and features of neurocognitive impairment caused by HIV - The attributes of the virus, host, and host-virus interactions that determine the presentation of HIV-associated neurocognitive disorders - Possible molecular and cellular mechanisms of nervous system impairment, including the mechanisms by which host-virus factors generate neural injury and neurobehavioral disorders - The cerebrospinal fluid (CSF) as a window on CNS events * The role of co-pathogens and comorbidities in neuroAIDS (e.g., hepatitis C infection, methamphetamine abuse) - Real life implications of neurocognitive impairment in terms of work, daily life, and survival - The effects of HIV disease and neurocognitive impairment on family and social adaptation - NeuroAIDS in resource limited settings - Treatments for neurocognitive impairment and behavioral interventions HNRC also has a Developmental Grants Program (DGP), the primary goal of which is the initiation of innovative studies by junior faculty and trainees at UCSD or affiliated institutions with the following objectives: 1. Recruitment to neuroAIDS research of new investigators or established investigators without prior experience in the field; 2. Generation and pilot testing of new research initiatives; 3. Fostering collaboration among investigators from throughout Southern California. The program provides to qualified investigators and trainees any appropriate combination of the following forms of support: 1. Small, 1-2 year grants to support pilot studies; 2. Access to HNRC core resources such as data, specimens, participants, equipment, administrative support, or expert consultation and technical assistance. Lastly, The the NHRC Mentored Investigator Program recruits, supports, and follows the progress of graduate students, postdoctoral (Ph.D. or M.D.) fellows, and junior faculty in disciplines relevant to HNRC research. The HNRC is

committed to tailoring our training opportunities to the backgrounds and interests of candidates from a variety of disciplines who join us with various levels of training and experience in research. We have and will continue to provide training and mentoring of medical students, doctoral students in clinical psychology, and postdoctoral fellows in Medicine, Psychiatry, Neurology, and Psychology. Sponsors: The Center is supported by public funding from the National Institutes of Health, the State of California, and other sources.

Synonyms: HNRC

Resource Type: topical portal, portal, data or information resource

Keywords: abuse, brain, cellular, cerebrospinal fluid (csf), clinical psychology, comorbidity, co-pathogen, diagnosis, disease, disorder, hepatitis c, hiv, host-virus factor, host-virus interaction, human, impairment, infection, mechanism, medicine, methamphetamine, molecular, nervous system, neural, neurobehavioral, neurocognitive, neurology, prevention, psychiatry, psychology, social adaption, virus

Resource Name: HIV Neurobehavioral Research Center

Resource ID: SCR_005370

Alternate IDs: nif-0000-10508

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260805T044120+0000

Ratings and Alerts

No rating or validation information has been found for HIV Neurobehavioral Research Center.

No alerts have been found for HIV Neurobehavioral Research Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Ellis RJ, et al. (2025) Chronic Pain in a Modern Virally Suppressed HIV Cohort: Associations with Comorbidities Depression and Disability. Research square.

Kothari M, et al. (2025) Temporomandibular Disorders in Brain Injury Patients and Diagnostic Accuracy of the Assessment Tools. Oral diseases, 31(7), 2251.

Mannocho-Russo H, et al. (2024) The microbiome diversifies N-acyl lipid pools - including short-chain fatty acid-derived compounds. *bioRxiv : the preprint server for biology*.

Deist M, et al. (2023) Neuropsychological Test Norms for the Assessment of HIV-Associated Neurocognitive Impairment Among South African Adults. *AIDS and behavior*, 27(9), 3080.

Ellis RJ, et al. (2022) Higher cerebrospinal fluid biomarkers of neuronal injury in HIV-associated neurocognitive impairment. *Journal of neurovirology*, 28(3), 438.

Mukerji SS, et al. (2021) Low Neuroactive Steroids Identifies a Biological Subtype of Depression in Adults with Human Immunodeficiency Virus on Suppressive Antiretroviral Therapy. *The Journal of infectious diseases*, 223(9), 1601.

Lorenz DR, et al. (2021) Acrolein and other toxicant exposures in relation to cardiovascular disease among marijuana and tobacco smokers in a longitudinal cohort of HIV-positive and negative adults. *EClinicalMedicine*, 31, 100697.

Pasipanodya EC, et al. (2020) Perceived risks and amelioration of harm in research using mobile technology to support antiretroviral therapy adherence in the context of methamphetamine use: a focus group study among minorities living with HIV. *Harm reduction journal*, 17(1), 41.

Ling Y, et al. (2020) Resistance to lean mass gain in constitutional thinness in free-living conditions is not overpassed by overfeeding. *Journal of cachexia, sarcopenia and muscle*, 11(5), 1187.

Spies G, et al. (2020) The relationship between potentially traumatic or stressful events, HIV infection and neurocognitive impairment (NCI): a systematic review of observational epidemiological studies. *European journal of psychotraumatology*, 11(1), 1781432.

Taylor BC, et al. (2020) Depression in Individuals Coinfected with HIV and HCV Is Associated with Systematic Differences in the Gut Microbiome and Metabolome. *mSystems*, 5(5).

Chiou B, et al. (2019) Semaphorin4A causes loss of mature oligodendrocytes and demyelination in vivo. *Journal of neuroinflammation*, 16(1), 28.

Mukerji SS, et al. (2018) Impact of Antiretroviral Regimens on Cerebrospinal Fluid Viral Escape in a Prospective Multicohort Study of Antiretroviral Therapy-Experienced Human Immunodeficiency Virus-1-Infected Adults in the United States. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 67(8), 1182.

Kanmogne GD, et al. (2018) Effects of HIV on executive function and verbal fluency in Cameroon. *Scientific reports*, 8(1), 17794.

Kabuba N, et al. (2016) HIV- and AIDS-associated neurocognitive functioning in Zambia - a perspective based on differences between the genders. *Neuropsychiatric disease and treatment*, 12, 2021.

Gega A, et al. (2015) Deep sequencing of HIV-1 variants from paired plasma and cerebrospinal fluid during primary HIV infection. *Journal of virus eradication*, 1(4), 264.

- de Oliveira MF, et al. (2015) Comparative Analysis of Cell-Associated HIV DNA Levels in Cerebrospinal Fluid and Peripheral Blood by Droplet Digital PCR. PloS one, 10(10), e0139510.
- Liu C, et al. (2015) Reduced neural specificity in middle-aged HIV+ women in the absence of behavioral deficits. NeurolImage. Clinical, 8, 667.
- Yakasai AM, et al. (2015) Prevalence and Correlates of HIV-Associated Neurocognitive Disorders (HAND) in Northwestern Nigeria. Neurology research international, 2015, 486960.
- Ali SA, et al. (2015) Antischistosomal Activity of Two Active Constituents Isolated from the Leaves of Egyptian Medicinal Plants. Infectious diseases, 8, 5.