

Stanford



Thomas Montine, MD, PhD

Stanford Medicine Professor of Pathology

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Dr. Montine received his education at Columbia University (BA in Chemistry), the University of Rochester (PhD in Pharmacology), and McGill University (MD and CM). His postgraduate medical training was at Duke University, and he was junior faculty at Vanderbilt University where he was awarded the Thorne Professorship in Pathology. In 2002, Dr. Montine was appointed as the Alvord Endowed Professor in Neuropathology and Director of the Division of Neuropathology at the University of Washington. He was Director of the University of Washington Alzheimer's Disease Research Center, one of the original 10 Centers in the US, and passed that responsibility to able colleagues. Dr. Montine was the founding Director of the Pacific Udall Center, a NINDS-funded Morris K. Udall Centers of Excellence for Parkinson's Disease Research. In 2010, Dr. Montine was appointed Chair of the Department of Pathology at the University of Washington. In 2016, Dr. Montine was appointed Chair of the Department of Pathology at Stanford University where he is the Stanford Medicine Endowed Professor in Pathology.

The focus of the Montine Laboratory is on the structural and molecular bases of cognitive impairment. The Montine Laboratory addresses this prevalent, unmet medical need through a combination of neuropathology, biomarkers for detection and progression of early disease, and experimental studies that test hypotheses concerning specific mechanisms of neuron injury and then develop novel approaches to neuroprotection. Our current approaches include small molecule precision therapeutics and cell replacement strategies for brain.

CLINICAL FOCUS

- Anatomic and Clinical Pathology

ACADEMIC APPOINTMENTS

- Professor, Pathology
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Department Chair, Stanford University Department of Pathology, (2016- present)

PROFESSIONAL EDUCATION

- Board Certification: Neuropathology, American Board of Pathology (1997)
- Board Certification: Anatomic Pathology, American Board of Pathology (1997)
- Residency: Duke University Hospital (1995) NC
- Residency: Duke University Hospital (1994) NC
- Internship: Duke University Medical Center (1992) NC
- Medical Education: McGill University Faculty of Medicine (1991) Canada

LINKS

- Montine Lab Site: <https://med.stanford.edu/montine-lab.html>

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Bettia Celestin, Amalia Perna, Mohit Rastogi, Matteo Santoro, Viktoria Szeifert, Azusa Terasaki

Publications

PUBLICATIONS

- **Neuropathologic Burden and Dementia in Nonagenarians and Centenarians.** *Neurology*
Cholerton, B., Latimer, C. S., Crane, P. K., Corrada, M. M., Gibbons, L. E., Larson, E. B., Kawas, C. H., Keene, C. D., Montine, T. J.
2024; 102 (3): e208060
- **A biological definition of neuronal #synuclein disease: towards an integrated staging system for research.** *The Lancet. Neurology*
Simuni, T., Chahine, L. M., Poston, K., Brumm, M., Buracchio, T., Campbell, M., Chowdhury, S., Coffey, C., Concha-Marambio, L., Dam, T., DiBiaso, P., Foroud, T., Frasier, et al
2024; 23 (2): 178-190
- **Lewy body dementia: Overcoming barriers and identifying solutions.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Agarwal, K., Backler, W., Bayram, E., Bloom, L., Boeve, B. F., Cha, J. H., Denslow, M., Ferman, T. J., Galasko, D., Galvin, J. E., Gomperts, S. N., Irizarry, M. C., Kantarci, et al
2024
- **Understanding the molecular basis of resilience to Alzheimer's disease** *FRONTIERS IN NEUROSCIENCE*
Montine, K. S., Berson, E., Phongpreecha, T., Huang, Z., Aghaeepour, N., Zou, J. Y., MacCoss, M. J., Montine, T. J.
2023; 17
- **Understanding the molecular basis of resilience to Alzheimer's disease.** *Frontiers in neuroscience*
Montine, K. S., Berson, E., Phongpreecha, T., Huang, Z., Aghaeepour, N., Zou, J. Y., MacCoss, M. J., Montine, T. J.
2023; 17: 1311157
- **Quantitative estimate of cognitive resilience and its medical and genetic associations.** *Alzheimer's research & therapy*
Phongpreecha, T., Godrich, D., Berson, E., Espinosa, C., Kim, Y., Cholerton, B., Chang, A. L., Mataraso, S., Bukhari, S. A., Perna, A., Yakabi, K., Montine, K. S., Poston, et al
2023; 15 (1): 192
- **Unveiling Resilience to Alzheimer's Disease: Insights From Brain Regional Proteomic Markers.** *Neuroscience insights*
Huang, Z., Merrihew, G. E., Larson, E. B., Park, J., Plubell, D., Fox, E. J., Montine, K. S., Keene, C. D., Latimer, C. S., Zou, J. Y., MacCoss, M. J., Montine, T. J.
2023; 18: 26331055231201600
- **Paradigm Shift: Multiple Potential Pathways to Neurodegenerative Dementia.** *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*

Perna, A., Montine, K. S., White, L. R., Montine, T. J., Cholerton, B. A.

2023

● **Paradigm Shift: Multiple Potential Pathways to Neurodegenerative Dementia** *NEUROTHERAPEUTICS*

Perna, A., Montine, K. S., White, L. R., Montine, T. J., Cholerton, B. A.

2023

● **Characterizing Limbic-Predominant Age-Related TDP-43 Encephalopathy Without Alzheimer's Disease and Lewy Body Dementia in the Oldest Old: A Case Series.** *Journal of Alzheimer's disease : JAD*

Leiby, A. C., Scambray, K. A., Nguyen, H. L., Basith, F., Fakhraee, S., Melikyan, Z. A., Bukhari, S. A., Montine, T. J., Corrada, M. M., Kawas, C. H., Sajjadi, S. A.

2023

● **Cross-species comparative analysis of single presynapses.** *Scientific reports*

Berson, E., Gajera, C. R., Phongpreecha, T., Perna, A., Bukhari, S. A., Becker, M., Chang, A. L., De Francesco, D., Espinosa, C., Ravindra, N. G., Postupna, N., Latimer, C. S., Shively, et al

2023; 13 (1): 13849

● **A visual-language foundation model for pathology image analysis using medical Twitter.** *Nature medicine*

Huang, Z., Bianchi, F., Yuksekgonul, M., Montine, T. J., Zou, J.

2023

● **Whole genome deconvolution unveils Alzheimer's resilient epigenetic signature.** *Nature communications*

Berson, E., Sreenivas, A., Phongpreecha, T., Perna, A., Grandi, F. C., Xue, L., Ravindra, N. G., Payrovnaziri, N., Mataraso, S., Kim, Y., Espinosa, C., Chang, A. L., Becker, et al

2023; 14 (1): 4947

● **Neuropathologic Changes of Alzheimer's Disease and Related Dementias: Relevance to Future Prevention.** *Journal of Alzheimer's disease : JAD*

White, L. R., Corrada, M. M., Kawas, C. H., Cholerton, B. A., Edland, S. E., Flanagan, M. E., Montine, T. J.

2023

● **Characterization of hippocampal sclerosis of aging and its association with other neuropathologic changes and cognitive deficits in the oldest-old.** *Acta neuropathologica*

Sordo, L., Qian, T., Bukhari, S. A., Nguyen, K. M., Woodworth, D. C., Head, E., Kawas, C. H., Corrada, M. M., Montine, T. J., Sajjadi, S. A.

2023

● **Clonal hematopoiesis is associated with protection from Alzheimer's disease.** *Nature medicine*

Bouzid, H., Belk, J. A., Jan, M., Qi, Y., Sarnowski, C., Wirth, S., Ma, L., Chrostek, M. R., Ahmad, H., Nachun, D., Yao, W., Beiser, A., Bick, et al

2023

● **Metrologically Traceable Quantification of 3 Apolipoprotein E Isoforms in Cerebrospinal Fluid.** *Clinical chemistry*

Huynh, H., Kuch, K., Orquillas, A., Forrest, K., Barahona-Carrillo, L., Keene, D., Henderson, V. W., Wagner, A. D., Poston, K. L., Montine, T. J., Lin, A., Tian, L., MacCoss, et al

2023

● **Spatial proteomics reveals human microglial states shaped by anatomy and neuropathology.** *Research square*

Mrdjen, D., Amouzgar, M., Cannon, B., Liu, C., Spence, A., McCaffrey, E., Bharadwaj, A., Tebaykin, D., Bukhari, S., Hartmann, F. J., Kagel, A., Vijayaragavan, K., Oliveria, et al

2023

● **Brain proteomic analysis implicates actin filament processes and injury response in resilience to Alzheimer's disease.** *Nature communications*

Huang, Z., Merrihew, G. E., Larson, E. B., Park, J., Plubell, D., Fox, E. J., Montine, K. S., Latimer, C. S., Dirk Keene, C., Zou, J. Y., MacCoss, M. J., Montine, T. J.

2023; 14 (1): 2747

● **Predicting lymph node metastasis from primary tumor histology and clinicopathologic factors in colorectal cancer using deep learning.** *Communications medicine*

Krogue, J. D., Azizi, S., Tan, F., Flament-Auvigne, I., Brown, T., Plass, M., Reihs, R., Müller, H., Zatloukal, K., Richeson, P., Corrado, G. S., Peng, L. H., Mermel, et al

2023; 3 (1): 59

● **A peptide-centric quantitative proteomics dataset for the phenotypic assessment of Alzheimer's disease.** *Scientific data*

Merrihew, G. E., Park, J., Plubell, D., Searle, B. C., Keene, C. D., Larson, E. B., Bateman, R., Perrin, R. J., Chhatwal, J. P., Farlow, M. R., McLean, C. A., Ghetti, B., Newell, et al
2023; 10 (1): 206

- **Superior Global Cognition in Oldest-Old Is Associated with Resistance to Neurodegenerative Pathologies: Results from The 90+ Study.** *Journal of Alzheimer's disease : JAD*

Biswas, R., Kawas, C., Montine, T. J., Bukhari, S. A., Jiang, L., Corrada, M. M.
2023

- **Rapid Deployment of Whole Slide Imaging for Primary Diagnosis in Surgical Pathology at Stanford Medicine Responding to Challenges of the COVID-19 Pandemic** *ARCHIVES OF PATHOLOGY & LABORATORY MEDICINE*

Rojansky, R., Jhun, I., Dussaq, A. M., Chirieleison, S. M., Nirschl, J. J., Born, D., Fralick, J., Hetherington, W., Kerr, A. M., Lavezo, J., Lawrence, D. B., Lummus, S., Macasaet, et al
2023; 147 (3): 359-367

- **Study of neuropathological changes and dementia in 100 centenarians in The 90+ Study.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*

Neuville, R. S., Biswas, R., Ho, C. C., Bukhari, S., Sajjadi, S. A., Paganini-Hill, A., Montine, T. J., Corrada, M. M., Kawas, C. H.
2023

- **Illusory Responses across the Lewy Body Disease Spectrum** *ANNALS OF NEUROLOGY*

Shahid, M., Rawls, A., Ramirez, V., Ryman, S., Santini, V. E., Yang, L., Sha, S. J., Hall, J. N., Montine, T. J., Lin, A., Tian, L., Henderson, V. W., Cholerton, et al
2023

- **AGING, COGNITIVE, AND PHYSICAL DECLINE IN VERVETS (CHLORocebus aethiops sabaeus)**

Shively, C. A., Frye, B. M., Craft, S. M., Latimer, C., Keene, C. D., Montine, T. J., Register, T. C., Jorgensen, M. J., Andrews, R. N., Kim, J., Barcus, R. A., Whitlow, C. T., Lockhart, et al
WILEY.2023

- **Prediction of neuropathologic lesions from clinical data.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*

Phongprecha, T., Cholerton, B., Bhukari, S., Chang, A. L., De Francesco, D., Thuraiappah, M., Godrich, D., Perna, A., Becker, M. G., Ravindra, N. G., Espinosa, C., Kim, Y., Berson, et al
2023

- **Gait and balance in apolipoprotein #4 allele carriers in older adults and Parkinson's disease.** *Clinical parkinsonism & related disorders*

Morris, R., Martini, D. N., Kelly, V. E., Smulders, K., Ramsey, K., Hiller, A., Chung, K. A., Hu, S., Zabetian, C. P., Poston, K. L., Mata, I. F., Edwards, K. L., Lapidus, et al
2023; 9: 100201

- **Alzheimer's Disease Neuropathologic Change and Vitamin Supplement Use Decades Earlier The 90+Study** *ALZHEIMER DISEASE & ASSOCIATED DISORDERS*

Paganini-Hill, A., Bukhari, S., Montine, T. J., Corrada, M. M., Kawas, C. H.
2023; 37 (1): 1-6

- **LATE and potential estrogen-related risk factors collected 30 years earlier:The 90+ Study.** *Journal of neuropathology and experimental neurology*

Paganini-Hill, A., Montine, T. J., Bukhari, S. A., Corrada, M. M., Kawas, C. H., Sajjadi, S. A.
2022

- **LATE-NC staging in routine neuropathologic diagnosis: an update.** *Acta neuropathologica*

Nelson, P. T., Lee, E. B., Cykowski, M. D., Alafuzoff, I., Arfanakis, K., Attems, J., Brayne, C., Corrada, M. M., Dugger, B. N., Flanagan, M. E., Ghetti, B., Grinberg, L. T., Grossman, et al
2022

- **Methylation differences in Alzheimer's disease neuropathologic change in the aged human brain.** *Acta neuropathologica communications*

Lang, A. L., Eulalio, T., Fox, E., Yakabi, K., Bukhari, S. A., Kawas, C. H., Corrada, M. M., Montgomery, S. B., Heppner, F. L., Capper, D., Nachun, D., Montine, T. J.
2022; 10 (1): 174

- **Performance of a fully-automated Lumipulse plasma phospho-tau181 assay for Alzheimer's disease.** *Alzheimer's research & therapy*

Wilson, E. N., Young, C. B., Ramos Benitez, J., Swarovski, M. S., Feinstein, I., Vandijck, M., Le Guen, Y., Kasireddy, N. M., Shahid, M., Corso, N. K., Wang, Q., Kennedy, G., Trelle, et al
2022; 14 (1): 172

- **Single-cell spatial proteomic imaging for human neuropathology.** *Acta neuropathologica communications*
Vijayaragavan, K., Cannon, B. J., Tebaykin, D., Bosse, M., Baranski, A., Oliveria, J. P., Bukhari, S. A., Mrdjen, D., Corces, M. R., McCaffrey, E. F., Greenwald, N. F., Sigal, Y., Marquez, et al
2022; 10 (1): 158
- **Impact and Risk Factors of Limbic Predominant Age-Related TDP-43 Encephalopathy Neuropathologic Change in an Oldest Old Cohort.** *Neurology*
Sajjadi, S. A., Bukhari, S., Scambray, K., Yan, R., Kawas, C., Montine, T. J., Corrada, M. M.
2022
- **Development of mutation-selective LRRK2 kinase inhibitors as precision medicine for Parkinson's disease and other diseases for which carriers are at increased risk** *FRONTIERS IN NEUROLOGY*
Lesniak, R. K., Nichols, R., Montine, T. J.
2022; 13: 1016040
- **Plasma Exchange in Alzheimer's Disease.** *Transfusion medicine reviews*
Rohrer, L., Yunce, M., Montine, T. J., Shan, H.
2022
- **Illusory responses across the Lewy body disease spectrum**
Shahid, M., Rawls, A., Ramirez, V., Ryman, S., Santini, V., Yang, L., Sha, S., Hall, J., Montine, T., Lin, A., Tian, L., Henderson, V., Cholerton, et al
WILEY.2022: S364-S365
- **Discovery of azaspirocyclic 1H-3,4,5-Trisubstituted pyrazoles as novel G2019S-LRRK2 selective kinase inhibitors.** *European journal of medicinal chemistry*
Le#niak, R. K., Nichols, R. J., Schonemann, M., Zhao, J., Gajera, C. R., Lam, G., Nguyen, K. C., Langston, J. W., Smith, M., Montine, T. J.
2022; 242: 114693
- **Semi-quantitative Assessment of Alzheimer's-like Pathology in Two Aged Polar Bears (*Ursus maritimus*).** *Comparative medicine*
Lucot, K. L., Bukhari, S. A., Webber, E. D., Bonham, T. A., Darian-Smith, C., Montine, T. J., Green, S. L.
2022
- **SARS-CoV-2 Brain Regional Detection, Histopathology, Gene Expression, and Immunomodulatory Changes in Decedents with COVID-19.** *Journal of neuropathology and experimental neurology*
Serrano, G. E., Walker, J. E., Tremblay, C., Piras, I. S., Huentelman, M. J., Belden, C. M., Goldfarb, D., Shprecher, D., Atri, A., Adler, C. H., Shill, H. A., Driver-Dunckley, E., Mehta, et al
2022
- **Rapid Deployment of Whole Slide Imaging for Primary Diagnosis in Surgical Pathology at Stanford Medicine.** *Archives of pathology & laboratory medicine*
Rojansky, R., Jhun, I., Dussaq, A. M., Chirieleison, S. M., Nirschl, J. J., Born, D., Fralick, J., Hetherington, W., Kerr, A. M., Lavezo, J., Lawrence, D. B., Lummus, S., Macasaet, et al
2022
- **Testing Gender and Longitudinal Measurement Invariance of the SF-36 in American Indian Older Adults: The Strong Heart Study** *PSYCHOLOGICAL ASSESSMENT*
Barbosa-Leiker, C., Burduli, E., Arias-Losado, R., Muller, C., Noonan, C., Suchy-Dicey, A., Nelson, L., Verney, S. P., Montine, T. J., Buchwald, D.
2022
- **Parkinson's Progression Markers Initiative brain autopsy program.** *Parkinsonism & related disorders*
Bukhari, S. A., Nudelman, K. N., Rumbaugh, M., Richeson, P., Fox, E. J., Montine, K. S., Aldecoa, I., Garrido, A., Franz, J., Stadelmann, C., Vonsattel, J. P., Poston, K. L., Foroud, et al
2022; 101: 62-65
- **Targeting LRRK2 mutations in Parkinson's disease.** *Future medicinal chemistry*
Le#niak, R. K., Nichols, R. J., Smith, M., Montine, T. J.
2022
- **Cognition as a mediator for gait and balance impairments in GBA-related Parkinson's disease.** *NPJ Parkinson's disease*
Morris, R., Martini, D. N., Ramsey, K., Kelly, V. E., Smulders, K., Hiller, A., Chung, K. A., Hu, S., Zabetian, C. P., Poston, K. L., Mata, I. F., Edwards, K. L., Lapidus, et al
2022; 8 (1): 78
- **Association of Cognition and Dementia With Neuropathologic Changes of Alzheimer Disease and Other Conditions in the Oldest-Old.** *Neurology*

Montine, T. J., Corrada, M. M., Kawas, C., Bukhari, S., White, L., Tian, L., Cholerton, B.
2022

- Frequency of LATE neuropathologic change across the spectrum of Alzheimer's disease neuropathology: combined data from 13 community-based or population-based autopsy cohorts. *Acta neuropathologica*

Nelson, P. T., Brayne, C., Flanagan, M. E., Abner, E. L., Agrawal, S., Attems, J., Castellani, R. J., Corrada, M. M., Cykowski, M. D., Di, J., Dickson, D. W., Dugger, B. N., Ervin, et al

2022

- Discovery of 1H-Pyrazole Biaryl Sulfonamides as Novel G2019S-LRRK2 Kinase Inhibitors. *ACS medicinal chemistry letters*

Lesniak, R. K., Nichols, R. J., Schonemann, M., Zhao, J., Gajera, C. R., Lam, G., Nguyen, K. C., Langston, J. W., Smith, M., Montine, T. J.
2022; 13 (6): 981-988

- Evaluation of Current Methods to Detect Cellular Leucine-Rich Repeat Kinase 2 (LRRK2) Kinase Activity. *Journal of Parkinson's disease*

Fernandez, B., Chittoor-Vinod, V. G., Kluss, J. H., Kelly, K., Bryant, N., Nguyen, A. P., Bukhari, S. A., Smith, N., Lara Ordóñez, A. J., Fdez, E., Chartier-Harlin, M., Montine, T. J., Wilson, et al
2022

- Acute Infarction, Hemorrhage and White Matter Beta-Amyloid Precursor Protein Immunostaining in COVID-19 and Control Subjects

DeTure, M., Walker, J., Arce, R., Glass, M., Sue, L., Intoria, A., Nelson, C., Suszczewicz, K., Borja, C., Montine, T., Pinsky, B., Zehnder, J., Serrano, et al
OXFORD UNIV PRESS INC.2022: 476

- Dysregulation of Brain inflammation in COVID-19: An autopsy series

Piras, I., Huettelman, M., Walker, J., Arce, R., Tremblay, C., Glass, M., Sue, L., Nelson, C., Suszczewicz, K., Borja, C., Cline, M., Montine, T., Pinsky, et al
OXFORD UNIV PRESS INC.2022: 476

- One Hundred Centenarians: Brain Pathology and Relationship to Dementia in The 90+Study (P1-1.Virtual)

Neuville, R., Ho, C., Sajjadi, S., Biswas, R., Montine, T., Corrada, M., Kawas, C.
LIPPINCOTT WILLIAMS & WILKINS.2022

- AI-enabled in silico immunohistochemical characterization for Alzheimer's disease. *Cell reports methods*

He, B., Bukhari, S., Fox, E., Abid, A., Shen, J., Kawas, C., Corrada, M., Montine, T., Zou, J.
2022; 2 (4): 100191

- Predictive Modeling of Alzheimer's and Parkinson's Disease Using Metabolomic and Lipidomic Profiles from Cerebrospinal Fluid. *Metabolites*

Hwangbo, N., Zhang, X., Raftery, D., Gu, H., Hu, S., Montine, T. J., Quinn, J. F., Chung, K. A., Hiller, A. L., Wang, D., Fei, Q., Bettcher, L., Zabetian, et al
2022; 12 (4)

- Cognitive resilience to three dementia-related neuropathologies in an oldest-old man: A case report from The 90+ Study. *Neurobiology of aging*

Melikyan, Z. A., Corrada, M. M., Leiby, A., Sajjadi, S. A., Bukhari, S., Montine, T. J., Kawas, C. H.
2022; 116: 12-15

- Putting Humpty Dumpty Back Together Again: What Does Protein Quantification Mean in Bottom-Up Proteomics? *Journal of proteome research*

Plubbell, D. L., Kall, L., Webb-Robertson, B., Brammer, L. M., Ives, A., Kelleher, N. L., Smith, L. M., Montine, T. J., Wu, C. C., MacCoss, M. J.
2022

- Hemispheric Asymmetry and Atypical Lobar Progression of Alzheimer-Type Tauopathy. *Journal of neuropathology and experimental neurology*

Tremblay, C., Serrano, G. E., Intoria, A. J., Curry, J., Sue, L. I., Nelson, C. M., Walker, J. E., Glass, M. J., Arce, R. A., Fleisher, A. S., Pontecorvo, M. J., Atri, A., Montine, et al
2022

- TRACKING INNATE IMMUNE ACTIVATION IN A MOUSE MODEL OF PARKINSON'S DISEASE USING TREM1 AND TSPO PET TRACERS. *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*

Lucot, K. L., Stevens, M. Y., Bonham, T. A., Azevedo, E. C., Chaney, A. M., Webber, E. D., Jain, P., Klockow, J. L., Jackson, I. M., Carlson, M. L., Graves, E. E., Montine, T. J., James, et al

2022

- Neuropathological lesions and their contribution to dementia and cognitive impairment in a heterogeneous clinical population. *Alzheimer's & dementia : the journal of the Alzheimer's Association*

Godrich, D., Martin, E. R., Schellenberg, G., Pericak-Vance, M. A., Cuccaro, M., Scott, W. K., Kukull, W., Montine, T., Beecham, G. W.
2022

- **Epigenomic priming of immune genes implicates oligodendroglia in multiple sclerosis susceptibility.** *Neuron*
Meijer, M., Aguirre, E., Kabbe, M., van Tuijn, C. A., Heskol, A., Zheng, C., Mendanha Falcao, A., Bartosovic, M., Kirby, L., Calini, D., Johnson, M. R., Corces, M. R., Montine, et al
1800
- **Phenotypic Heterogeneity among GBA p.R202X Carriers in Lewy Body Spectrum Disorders.** *Biomedicines*
Napolioni, V., Fredericks, C. A., Kim, Y., Channappa, D., Khan, R. R., Kim, L. H., Zafar, F., Couthouis, J., Davidzon, G. A., Mormino, E. C., Gitler, A. D., Montine, T. J., Schule, et al
1800; 10 (1)
- **The Roc domain of LRRK2 as a hub for protein-protein interactions: a focus on PAK6 and its impact on RAB phosphorylation.** *Brain research*
Cogo, S., Ho, F. Y., Tosoni, E., Tomkins, J. E., Tessari, I., Iannotta, L., Montine, T. J., Manzoni, C., Lewis, P. A., Bubacco, L., Chartier Harlin, M., Taymans, J., Kortholt, et al
1800; 147781
- **Mass Synaptometry: Applying Mass Cytometry to Single Synapse Analysis.** *Methods in molecular biology (Clifton, N.J.)*
Gajera, C. R., Fernandez, R., Postupna, N., Montine, K. S., Keene, C. D., Bendall, S. C., Montine, T. J.
1800; 2417: 69-88
- **Discovery of G2019S-Selective Leucine Rich Repeat Protein Kinase 2 inhibitors with invivo efficacy.** *European journal of medicinal chemistry*
Lesniak, R. K., Nichols, R. J., Schonemann, M., Zhao, J., Gajera, C. R., Fitch, W. L., Lam, G., Nguyen, K. C., Smith, M., Montine, T. J.
1800; 229: 114080
- **Single-synapse analyses of Alzheimer's disease implicate pathologic tau, DJ1, CD47, and ApoE.** *Science advances*
Phongpreecha, T., Gajera, C. R., Liu, C. C., Vijayaragavan, K., Chang, A. L., Becker, M., Fallahzadeh, R., Fernandez, R., Postupna, N., Sherfield, E., Tebaykin, D., Latimer, C., Shively, et al
1800; 7 (51): eabk0473
- **Neuropathologic lesions and comorbidity in Alzheimer disease and related dementias in a heterogeneous clinical population.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Godrich, D., Richeson, P., Schellenberg, G. D., Scott, W. K., Montine, T. J., Beecham, G. W.
1800; 17 Suppl 3: e056249
- **Clonal Hematopoiesis is Associated with Reduced Risk of Alzheimer's Disease**
Bouzid, H., Belk, J., Jan, M., Qi, Y., Sarnowski, C., Wirth, S., Ma, L., Chrostek, M., Ahmad, H., Nachun, D., Yao, W., Beiser, A., Bick, et al
AMER SOC HEMATOLOGY.2021
- **Diet Effects on Cerebrospinal Fluid Amino Acids Levels in Adults with Normal Cognition and Mild Cognitive Impairment.** *Journal of Alzheimer's disease : JAD*
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