



Carla Abdelnour

Postdoctoral Scholar, Neurology and Neurological Sciences

Bio

BIO

Originally from Caracas, Venezuela, Dr. Carla Abdelnour received her medical degree at the Central University of Venezuela, and then completed her neurology residency training at the University Hospital Príncipe de Asturias in Madrid, Spain. She conducted her doctorate in Medicine at the Autonomous University of Barcelona working with Drs. Dag Aarsland, Javier Pagonabarraga and Jaime Kulisevsky. Her thesis focused on the influence of Alzheimer's disease copathology in atrophy patterns, longitudinal cognitive decline, and heterogeneity of patients with dementia with Lewy bodies.

Carla's main interest is the study of neurodegenerative diseases, especially Lewy body disease. As a Sue Berghoff LBD Research Fellow, her plan is to investigate the impact of different comorbidities in the clinical presentation, cognitive profile, and disease progression of Lewy body disease. Additionally, she wants to study the biological underpinnings of prodromal Lewy body disease to identify potential biomarkers for diagnosis and prognosis.

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member of Board of Directors, Lewy Body Disease Association (2022 - present)
- Steering Committee Member, European dementia with Lewy bodies consortium (2015 - 2021)

PROFESSIONAL EDUCATION

- Doctor of Medicine, Universidad Central De Venezuela (2021)
- Doctor of Philosophy, Autonomous University of Barcelona (2022)
- Bachelor of Science, Colegio La Concepcion (2001)
- PhD, Autonomous University of Barcelona, Spain. (2022)
- Neurologist, University Hospital Príncipe de Asturias, Madrid, Spain. (2014)
- MD, Central University of Venezuela, Caracas, Venezuela. (2007)

STANFORD ADVISORS

- Kathleen Poston, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Kathleen Poston, Poston Lab (4/11/2022)

Publications

PUBLICATIONS

- **Differentiating Prodromal Dementia with Lewy Bodies from Prodromal Alzheimer's Disease: A Pragmatic Review for Clinicians.** *Neurology and therapy*
Wyman-Chick, K. A., Chaudhury, P., Bayram, E., Abdelnour, C., Matar, E., Chiu, S. Y., Ferreira, D., Hamilton, C. A., Donaghy, P. C., Rodriguez-Porcel, F., Toledo, J. B., Habich, A., Barrett, et al
2024
- **Multiple biomarkers improve diagnostic accuracy across Lewy body and Alzheimer's disease spectra.** *Annals of clinical and translational neurology*
Plastini, M. J., Abdelnour, C., Young, C. B., Wilson, E. N., Shahid-Besanti, M., Lamoureux, J., Andreasson, K. I., Kerchner, G. A., Montine, T. J., Henderson, V. W., Poston, K. L.
2024
- **Clinical trials in dementia with Lewy bodies: the evolving concept of co-pathologies, patient selection and biomarkers.** *Current opinion in neurology*
Gibson, L. L., Abdelnour, C., Chong, J., Ballard, C., Aarsland, D.
2023
- **Cognitive and Motor Decline in Dementia with Lewy Bodies and Parkinson's Disease Dementia.** *Movement disorders clinical practice*
Gonzalez, M. C., Tovar-Rios, D. A., Alves, G., Dalen, I., Williams-Gray, C. H., Camacho, M., Forsgren, L., Bäckström, D., Lawson, R. A., Macleod, A. D., Counsell, C. E., Paquet, C., DeLena, et al
2023; 10 (6): 980-986
- **Dementia with Lewy Bodies Drug Therapies in Clinical Trials: Systematic Review up to 2022.** *Neurology and therapy*
Abdelnour, C., Gonzalez, M. C., Gibson, L. L., Poston, K. L., Ballard, C. G., Cummings, J. L., Aarsland, D.
2023
- **A randomized, open-label clinical trial in mild cognitive impairment with EGb 761 examining blood markers of inflammation and oxidative stress.** *Scientific reports*
Morato, X., Marquie, M., Tartari, J. P., Lafuente, A., Abdelnour, C., Alegret, M., Jofresa, S., Buendia, M., Pancho, A., Aguilera, N., Ibarria, M., Diego, S., Cuevas, et al
2023; 13 (1): 5406
- **Cognitive Impairment in Neurodegenerative Movement Disorders.** *Seminars in neurology*
Abdelnour, C., Poston, K. L.
2023
- **Ethical challenges of using remote monitoring technologies for clinical research: A case study of the role of local research ethics committees in the RADAR-AD study.** *PLoS one*
Muurling, M., Pasmooij, A. M., Koychev, I., Roik, D., Froelich, L., Schwertner, E., Religa, D., Abdelnour, C., Boada, M., Almic, M., Galluzzi, S., Cardoso, S., de Mendonca, et al
2023; 18 (7): e0285807
- **Dementia with Lewy bodies: Impact of co-pathologies and implications for clinical trial design** *ALZHEIMERS & DEMENTIA*
Toledo, J. B., Abdelnour, C., Weil, R. S., Ferreira, D., Rodriguez-Porcel, F., Pilotto, A., Wyman-Chick, K. A., Grothe, M. J., Kane, J. M., Taylor, A., Rongve, A., Scholz, S., Leverenz, et al
2023; 19 (1): 318-332
- **Perspectives and challenges in patient stratification in Alzheimer's disease** *ALZHEIMERS RESEARCH & THERAPY*
Abdelnour, C., Agosta, F., Bozzali, M., Fougere, B., Iwata, A., Nilforooshan, R., Takada, L. T., Vinuela, F., Traber, M.
2022; 14 (1): 112
- **Clinical outcome measures in dementia with Lewy bodies trials: critique and recommendations** *TRANSLATIONAL NEURODEGENERATION*
Rodriguez-Porcel, F., Wyman-Chick, K. A., Abdelnour Ruiz, C., Toledo, J. B., Ferreira, D., Urwyler, P., Weil, R. S., Kane, J., Pilotto, A., Rongve, A., Boeve, B., Taylor, J., McKeith, et al
2022; 11 (1): 24
- **Evaluation of the Feasibility, Safety and Efficacy of the Use of Intravenous Infusions of Adenosine Triphosphate (ATP) in People Affected by Moderate to Severe Alzheimer's Disease: A Double-Blind Masked Clinical Trial for Dose Finding** *JPAD-JOURNAL OF PREVENTION OF ALZHEIMERS DISEASE*
Ruiz, A., Sanchez, D., Lafuente, A., Ortega, G., Buendia, M., Papasey, J., Jimeno, S. Y., Badia, F. P., Palacio, M. E., Abdelnour, C., Ramirez-Torano, F., Maestu, F., Saez, et al

2022; 9 (3): 425-434

- **Introducing CARESSER: A framework for in situ learning robot social assistance from expert knowledge and demonstrations** *USER MODELING AND USER-ADAPTED INTERACTION*
Andriella, A., Torras, C., Abdelnour, C., Alenya, G.
2022: 1-56
- **Matrix metalloproteinase 10 is linked to the risk of progression to dementia of the Alzheimer's type** *BRAIN*
Adami, P., Orellana, A., Garcia, P., Kleinedam, L., Alarcon-Martin, E., Montreal, L., Aguilera, N., Espinosa, A., Abdelnour, C., Rosende-Roca, M., Pablo Tartari, J., Vargas, L., Mauleon, et al
2022; 145 (7): 2507-2517
- **Parsing heterogeneity within dementia with Lewy bodies using clustering of biological, clinical, and demographic data** *ALZHEIMERS RESEARCH & THERAPY*
Abdelnour, C., Ferreira, D., van de Beek, M., Cedres, N., Oppedal, K., Cavallin, L., Blanc, F., Bousiges, O., Wahlund, L., Pilotto, A., Padovani, A., Boada, M., Pagonabarraga, et al
2022; 14 (1): 14
- **Alzheimer's disease diagnosis and management: Perspectives from around the world** *ALZHEIMER'S & DEMENTIA: DIAGNOSIS, ASSESSMENT & DISEASE MONITORING*
Kerwin, D., Abdelnour, C., Caramelli, P., Ogunniyi, A., Shi, J., Zetterberg, H., Traber, M.
2022; 14 (1): e12334
- **Association of Plasma p-tau181 and p-tau231 Concentrations With Cognitive Decline in Patients With Probable Dementia With Lewy Bodies** *JAMA NEUROLOGY*
Gonzalez, M. C., Ashton, N. J., Gomes, B., Tovar-Rios, D., Blanc, F., Karikari, T. K., Mollenhauer, B., Pilotto, A., Lemstra, A., Paquet, C., Abdelnour, C., Kramberger, M. G., Bonanni, et al
2022; 79 (1): 32-37
- **beta-Amyloid and tau biomarkers and clinical phenotype in dementia with Lewy bodies** *NEUROLOGY*
Ferreira, D., Przybelski, S. A., Lesnick, T. G., Lemstra, A. W., Londos, E., Blanc, F., Nedelska, Z., Schwarz, C. G., Graff-Radford, J., Senjem, M. L., Fields, J. A., Knopman, D. S., Savica, et al
2020; 95 (24): E3257-E3268
- **CSF tau proteins correlate with an atypical clinical presentation in dementia with Lewy bodies** *JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY*
Di Censo, R., Abdelnour, C., Blanc, F., Bousiges, O., Lemstra, A. W., van Steenoven, I., Onofrj, M., Aarsland, D., Bonanni, L., European DLB Consortium
2020; 91 (1): 109-110
- **The combined effect of amyloid-beta and tau biomarkers on brain atrophy in dementia with Lewy bodies** *NEUROIMAGE-CLINICAL*
Abdelnour, C., Ferreira, D., Oppedal, K., Cavallin, L., Bousiges, O., Wahlund, L., Hort, J., Nedelska, Z., Padovani, A., Pilotto, A., Bonanni, L., Kramberger, M. G., Boada, et al
2020; 27: 102333
- **GBA and APOE epsilon 4 associate with sporadic dementia with Lewy bodies in European genome wide association study** *SCIENTIFIC REPORTS*
Rongve, A., Witoelar, A., Ruiz, A., Athanasiu, L., Abdelnour, C., Clarimon, J., Heilmann-Heimbach, S., Hernandez, I., Moreno-Grau, S., de Rojas, I., Morenas-Rodriguez, E., Fladby, T., Sando, et al
2019; 9: 7013
- **The Spanish version of Face-Name Associative Memory Exam (S-FNAME) performance is related to amyloid burden in Subjective Cognitive Decline** *SCIENTIFIC REPORTS*
Sanabria, A., Alegret, M., Rodriguez-Gomez, O., Valero, S., Sotolongo-Grau, O., Monte-Rubio, G., Abdelnour, C., Espinosa, A., Ortega, G., Perez-Cordon, A., Gailhajanet, A., Hernandez, I., Rosende-Roca, et al
2018; 8: 3828
- **Patient Engagement: The Fundacio ACE Framework for Improving Recruitment and Retention in Alzheimer's Disease Research** *JOURNAL OF ALZHEIMERS DISEASE*
Boada, M., Santos-Santos, M. A., Rodriguez-Gomez, O., Alegret, M., Canabate, P., Lafuente, A., Abdelnour, C., Buendia, M., Jose de Dios, M., Morera, A., Sanabria, A., Campo, L., Ruiz, et al
2018; 62 (3): 1079-1090
- **The Role of Verb Fluency in the Detection of Early Cognitive Impairment in Alzheimer's Disease** *JOURNAL OF ALZHEIMERS DISEASE*

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2018; 62 (2): 611-619

- **Challenges for Service Robots - Requirements of Elderly Adults with cognitive Impairments** *FRONTIERS IN NEUROLOGY*
Korchut, A., Szklener, S., Abdelnour, C., Tantinya, N., Hernandez-Farigola, J., Carles Ribes, J., Skrobos, U., Grabowska-Aleksandrowicz, K., Szczesniak-Stanczyk, D., Rejdak, K.
2017; 8: 228
- **Long-Term Cognitive Decline in Dementia with Lewy Bodies in a Large Multicenter, International Cohort** *JOURNAL OF ALZHEIMERS DISEASE*
Kramberger, M. G., Auestad, B., Garcia-Ptacek, S., Abdelnour, C., Olmo, J., Walker, Z., Lemstra, A. W., Londos, E., Blanc, F., Bonanni, L., McKeith, I., Winblad, B., de Jong, et al
2017; 57 (3): 787-795
- **Social Representation of Dementia: An Analysis of 5,792 Consecutive Cases Evaluated in a Memory Clinic** *JOURNAL OF ALZHEIMERS DISEASE*
Canabate, P., Martinez, G., Rosende-Roca, M., Moreno, M., Preckler, S., Valero, S., Sotolongo, O., Hernandez, I., Alegret, M., Ortega, G., Espinosa, A., Mauleon, A., Vargas, et al
2017; 58 (4): 1099-1108
- **Impact of Recruitment Methods in Subjective Cognitive Decline** *JOURNAL OF ALZHEIMERS DISEASE*
Abdelnour, C., Rodriguez-Gomez, O., Alegret, M., Valero, S., Moreno-Grau, S., Sanabria, A., Hernandez, I., Rosende-Roca, M., Vargas, L., Mauleon, A., Sanchez, D., Espinosa, A., Ortega, et al
2017; 57 (2): 625-632
- **Alzheimer's disease cerebrospinal fluid biomarkers predict cognitive decline in lewy body dementia** *MOVEMENT DISORDERS*
Abdelnour, C., van Steenoven, I., Londos, E., Blanc, F., Auestad, B., Kramberger, M. G., Zetterberg, H., Mollenhauer, B., Boada, M., Aarsland, D., European DLB Consortium
2016; 31 (8): 1203-1208
- **Influence of Sampling and Recruitment Methods in Studies of Subjective Cognitive Decline** *JOURNAL OF ALZHEIMERS DISEASE*
Rodriguez-Gomez, O., Abdelnour, C., Jessen, F., Valero, S., Boada, M.
2015; 48: S99-S107