

UNIVERSITY OF PENNSYLVANIA
Curriculum Vitae

August, 2020

Lauren M. Massimo, PhD, CRNP

BUSINESS ADDRESS

University of Pennsylvania
418 Curie Blvd
Room 140R
Philadelphia, PA 19104

EDUCATION

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|---------------------------|------|---|
| PhD | 2014 | University of Pennsylvania Philadelphia, PA Major: Nursing |
| Post-Master's Certificate | 2012 | University of Pennsylvania Philadelphia, PA Major: Teacher Education Program |
| MSN | 2005 | University of Pennsylvania Philadelphia, PA Major: Nursing (Adult and Gerontology Nurse Practitioner Program) |
| BSN | 2002 | The Pennsylvania State University University Park, PA Major: Nursing |

POSTGRADUATE TRAINING & FELLOWSHIP APPOINTMENTS

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|-----------|---|
| 2016-2018 | K99 Pathway to Independence Award NIH/NIA (K99AG056054) |
| 2014-2016 | Ruth L. Kirschstein Individualized NRSA Post-Doctoral Fellow NIH/NINR (F32NR014777) |
| 2011-2014 | Ruth L. Kirschstein Individualized NRSA Pre-Doctoral Fellow NIH/NINR (F31NR013306) |
| 2011-2013 | Building Academic Geriatric Nursing Capacity, Pre-Doctoral Scholar John A. Hartford Foundation |

2010-2011 Individualized Care for At-Risk Older Adults, T32 Pre-Doctoral Fellow
NewCourtland Center for Health Transitions and the
Hartford Center for Geriatric Excellence
NIH/NINR (T32-NR009356)
School of Nursing, University of Pennsylvania

PROFESSIONAL EXPERIENCE

RESEARCH POSITIONS

| | | |
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| 2010-2011 | Research Assistant | Geropsychiatric Nursing Collaborative John A. Hartford Foundation PIs: Cornelia Beck, PhD, RN, Kathleen Buckwalter, PhD, RN & Lois Evans, PhD, RN |
| 2006-2008 | Clinical Research Coordinator | University of Pennsylvania Medical Center Department of Neurology, Cognitive Section Philadelphia, PA |

ACADEMIC POSITIONS

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|--------------|------------------------------|--|
| 2018-current | Assistant Professor | University of Pennsylvania School of Nursing (Primary) School of Medicine, Neurology (Secondary) Philadelphia, PA |
| 2017-2018 | Research Assistant Professor | The Pennsylvania State University, College of Nursing University Park, PA |
| 2006-2016 | Lecturer | University of Pennsylvania, School of Nursing Philadelphia, PA |

CLINICAL POSITIONS

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|--------------|--------------------|---|
| 2006-present | Nurse Practitioner | University of Pennsylvania Medical Center Department of Neurology, Cognitive Section Philadelphia, PA |
| 2002-2006 | Staff Nurse | University of Pennsylvania Medical Center Medical Intensive Care Unit Philadelphia, PA |

OTHER APPOINTMENTS

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|--------------|----------------------------|--|
| 2020-present | Executive Committee Member | Individualized Care for At-Risk Older Adults (T32-NR009356), University of Pennsylvania, School of Nursing |
| 2019-present | Fellow | University of Pennsylvania, Institute on Aging Philadelphia, PA |
| 2019-present | Member | University of Pennsylvania, Neuroscience Graduate Group Philadelphia, PA |

CERTIFICATION/LICENSURE

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| 2006-present | Certified Registered Nurse Practitioner, Commonwealth of Pennsylvania (SP009113) |
| 2006-present | Adult Nurse Practitioner Certification, American Nurses Credentialing Center |
| 2002-present | Registered Nurse, Commonwealth of Pennsylvania (RN537756) |

HONORS/AWARDS/MEMBERSHIPS IN HONORARY SOCIETIES

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| 2020 | Named “Emerging Leader in Gerontological Nursing,” (<i>Geriatric Nursing</i> , 41:7-13) |
| 2020 | Junior Faculty Research Award, University of Pennsylvania, School of Nursing Biobehavioral Health Sciences Department |
| 2019 | National Institutes of Health Extramural Clinical Research Loan Repayment Renewal Award, National Institute on Aging (NIA) |
| 2018 | Abstract of Distinction, State of the Science Congress on Nursing Research, Council for the Advancement of Nursing Science |
| 2017 | National Institutes of Health Extramural Clinical Research Loan Repayment Renewal Award, National Institute on Aging (NIA) |
| 2015 | National Institutes of Health Extramural Clinical Research Loan Repayment Award, National Institute on Aging (NIA) |
| 2014 | Marion R. Gregory Award for a distinguished completed doctoral dissertation, University of Pennsylvania, School of Nursing |
| 2002 | Sigma Theta Tau International Honor Society of Nursing, Beta Sigma Chapter, The Pennsylvania State University |

RESEARCH

Doctoral Dissertation

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| 2009-2014 | The Cognitive and Neural Basis for Apathy in Frontotemporal Degeneration. University of Pennsylvania, School of Nursing. Dissertation Advisor: Lois K. Evans, PhD, RN, FAAN, University of Pennsylvania, School of Nursing. Dissertation Committee: Mary Ersek, PhD, RN, FAAN, University of Pennsylvania, School of Nursing; Paul Eslinger, PhD, The Pennsylvania State University, College of Medicine; Murray Grossman MD, University of Pennsylvania, Perelman School of Medicine. Publication number: AAI3623882, http://repository.upenn.edu/dissertations/AAI3429196 |
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Grants

Pending

From Cells to Complex Syndromes: Using Networks to Understand Heterogeneity in TDP-Related Frontotemporal Degeneration and Aging, Project V: Anatomic Mechanisms of Resilience and Genetic Susceptibility in TDP-Related Disorders (P01AG066597), 9/2020-8/2025, **Massimo, (PI)**, NIA \$1,362,093.

Presently Funded Research Grants

- 2018-2021 Cognitive and Neural Moderators of Longitudinal Decline in Frontotemporal Degeneration (R00AG056054), 9/15/2018-5/31/2021, **Massimo (PI)**, NIA (\$747,000)
- 2020-2021 Improving Self-Care of Informal Caregivers of Adults with Frontotemporal Degeneration (R01NR018196-02S1), 9/1/2020-8/31/2021, Riegel (PI), **Massimo (Co-I)**, Bowles (Co-I), Hirschman (Co-I), Aryal, S (Co-I), NINR (\$403,378)

Past Funded Research Grants

- 2019-2020 Evaluating Time Out: An Intergenerational Respite, Training and Mentorship Program, 7/1/2019-6/30/2020, **Massimo (PI)**, Hodgson (Co-I), Greenfield (Co-I), University of Pennsylvania, Institute on Aging (\$50,000)
- 2018-2019 Development of a Goal-Directed Behavior App: Changing Apathy into Action in Frontotemporal Degeneration, 7/1/2018-12/31/2019, **Massimo (PI)**, Mechanic-Hamilton (Co-I), Rascovsky (Co-I), Association for Frontotemporal Degeneration (\$60,000)
- 2018-2019 Development of a Goal-Directed Behavior App: Changing Apathy into Action in Neurodegenerative Disease, 7/1/2018-12/31/2019, Mechanic-Hamilton (PI), **Massimo (Co-I)**, Rascovsky (Co-I), University of Pennsylvania, Institute on Aging (\$50,000)
- 2017-2018 Goal-Directed Behavior in Parkinson's Disease, 3/1/2017- 8/31/18, Dahodwala (PI), Grossman (Co-I), **Massimo (Co-I)**, McMillan (Co-I), Parkinson's Disease Foundation (\$92,338).
- 2016-2018 Cognitive and Neural Moderators of Longitudinal Decline in Frontotemporal Degeneration (K99AG056054), 9/30/2016-5/31/2018, **Massimo (PI)**, NIA (\$192,132)
- 2014-2016 The Neural Basis of Apathy in Frontotemporal Degeneration: A Longitudinal Study (F32NR014777), 3/1/14-9/29/16, **Massimo (PI)**, NINR (\$156,618).

- 2011-2014 The Cognitive and Neural Basis for Apathy in Frontotemporal Degeneration (F31NR013306), 1/1/12-2/28/14, **Massimo (PI)**, Pre-doctoral Fellowship, NINR (\$90,246).
- 2011-2013 Building Academic Geriatric Nursing Capacity, 7/1/11-7/1/13, **Massimo (PI)**, Pre-doctoral Fellowship, John A. Hartford Foundation (\$100,000).

PUBLICATIONS

Journal Articles: Research, Peer Reviewed (*indicates data-based work)

1. Kraal, Z., **Massimo, L.**, Flechter, E., Carrion, C., Medina, L., Gavett, B., Mungas, D., Gavett, B.E. & Tomaszewski-Farias, S. (2020). Functional reserve: The residual variance in instrumental activities of daily living not explained by brain structure, cognition and demographics. *Neuropsychology*. (in press).
2. Zhang, V., Irwin, D.J., Blennow, K., Zetterberg, H., Lee, E., Shaw, L., Rascovsky, K., **Massimo, L.**, McMillan, C.T., Chen-Plotkin, A., Elman, L., Lee, V., M-Y., McCluskey, L., Tolerdo, J., Weintraub, D., Wolk, D., Trojanowski, J.Q & Grossman, M. (2020). Neurofilament light chain is related to longitudinal decline in frontotemporal lobar degeneration. *Neurology: Clinical Practice*. (in press).
3. Moore, K.M., Nicholas, J., Grossman, M., McMillan, C.T., Irwin, D.J., **Massimo, L.**, Van Deerlin, V.M., Warren, J.D., Fox, N.C., Rossor, M.N., Mead, S., Bocchetta, M., Boeve, B.F., Knopman, D.S., Graff-Radford, N.R., Forsberg, L.K., Rademakers, R., Wszolek, Z.K., Van Swieten, J.C., Jiskoot, L.C., Meeter, L.H., Doppert, E.G.P, Papma, J.M., Snowden, J.S., Saxon, J., Jones, M., Brown, S.P., Le Ber, I., Camuzat, A., Brice, A., Caroppo, P., Ghidoni, R., Pievani, M., Benussi, L., Binetti, G., Dickerson, B.C., Lucente, D., Krivensky, S., Graff, C., Öijerstedt, L., Fallström, M., Thonberg, H., Ghoshal, N., Morris, J.C., Borroni, B., Benussi, A., Padovani, A., Galimberti, D., Scarpini, E., Fumagalli, G.G., Mackenzie, I.R., Hsiung, R., Sengdy, P., Boxer, A.L., Rosen, H., Taylor, J.B., Synofzik, M., Wilke, C., Sulzer, P., Hodges, J.R., Halliday, G., Kwok, J., Sanchez-Valle, R., Lladó, A., Borrego-Ecija, S., Santana, I., Almeida, M.R., Tábuas-Pereira, M., Moreno, F., Barandiaran, M., Indakoetxea, B., Levin, J., Danek, A., Rowe, J.B., Cope, T.E., Otto, M., Anderl-Straub, S., de Mendonça, A., Maruta, C., Masellis, M., Black, S.E., Couratier, P., Lautrette, G., Huey, E.D., Sorbi, S., Nacmias, B., Laforce Jr., R., Tremblay, M.P.L., Vandenberghe, R., Van Damme, P., Rogalski, E.J., Weintraub, S., Gerhard, A., Onyike, C.U., Ducharme, S., Papageorgiou, S.G., Lyn, A.S., Brodtmann, A., Finger, E., Guerreiro, R., Bras, J., Rohrer, J.D. (2020). A worldwide study of age at symptom onset and disease and disease duration in genetic frontotemporal dementia. *The Lancet Neurology*. PMID: PMC7007771*
4. Caswell, C., McMillan, C.T., Xie, S.X., Van Deerlin, V., Suh, E., Lee, E.B., Trojanowski, J.T., Lee, V.M., Irwin, D.J., Grossman, M. & **Massimo, L.** (2019). Genetic predictors of survival in behavioral variant frontotemporal degeneration. *Neurology*, 93(18), 1707-1714. PMID: PMC694677*
5. **Massimo, L.**, Xie, S., Rennert, L., Fick, D., Halpin, A., Placek, K., Williams, A., Rascovsky, K., Irwin, D.J., Grossman, M. & McMillan, C.T. (2019). Occupational attainment influences

longitudinal decline in behavioral variant frontotemporal degeneration. *Brain Imaging and Behavior*, 13(1), 293-301. PMID: PMC6521965*

6. **Massimo, L.**, Munoz, E., Hill, N., Mogle, J., Mulhall, P., McMillan, C., Clare, L., Vandenburg, D., Fick, D. & Kolanowski, A. (2017). Genetic and environmental factors associated with delirium severity in older adults with dementia. *International Journal of Geriatric Psychiatry*, 32(5), 574-581. PMID: PMC5083230*
7. Placek, K., **Massimo, L.**, Olm, C., Ternes, K., Van Deerlin, V., Lee, E., Trojanowski, J., Irwin, D., Grossman, M & McMillan, C. (2016). Neuroanatomic and neuropsychological evidence of cognitive reserve in frontotemporal degeneration. *Neurology*, 87(17), 1813-1819. PMID: PMC5089523*
8. Fitts, W., **Massimo, L.**, Lim, N., Grossman, M. & Dahodwala, N. (2016). Computerized assessment of goal-directed behavior in Parkinson's disease. *Journal of Clinical and Experimental Neuropsychology*, 38(9), 1015-1012. PMID: PMC4979569*
9. **Massimo, L.**, Powers J., Evans, L., McMillan, C.T., Rascovsky, K., Eslinger, P., Ersek, M., Irwin, D.J. & Grossman, M. Apathy in frontotemporal degeneration: Neuroanatomical evidence of impaired goal-directed behavior. (2015). *Frontiers in Human Neuroscience*. 9:611. PMID: PMC4639601*
10. Fitts, W., Weintraub, D., **Massimo, L.**, Chahine, L., Chen-Plotkin, A., Duda, J.E., Hurtig, H.I., Rick, J., Trojanowski, J.Q. & Dahodwala, N. (2015). Caregiver report of apathy predicts dementia in Parkinson's disease. *Parkinsonism Related Disorders*, 21(8), 992-995. PMID: PMC4509809*
11. **Massimo, L.**, Zee, J., Xie, S.X., McMillan, C.T., Rascovsky, K., Irwin, D. I., Kolanowski, A. & Grossman, M. (2015). Occupational attainment influences survival in autopsy-confirmed frontotemporal degeneration. *Neurology*, 84(20), 2070-2075. PMID: PMC4442102*
12. Powers, J.P., **Massimo, L.**, McMillan, C.T., Yushkevich, P., Zhang, H., Gee, J. & Grossman, M. (2014). White matter disease contributes to apathy and disinhibition in behavioral variant frontotemporal degeneration. *Cognitive and Behavioral Neurology*, 27(4), 206-214. PMID: PMC4296883*
13. Avants, B.B., Libon, D.J., Rascovsky, K., Boller, A., McMillan, C.T., **Massimo, L.**, Coslett, H.B., Chatterjee, A., Gross, R.G. & Grossman, M. (2013). Sparse canonical correlation analysis relates network-level atrophy to multivariate cognitive measures in a neurodegenerative population. *Neuroimage*, 84(1), 698-711. PMID: PMC3911786*
14. **Massimo, L.**, Evans, L. & Benner, P. (2013). Caring for loved ones with frontotemporal degeneration: The lived experiences of spouses. *Geriatric Nursing*, 34(4), 302-306. PMID: PMC3867267*
15. **Massimo, L.**, Libon, D.J., Chandrasekaran, K., Dreyfuss, M., McMillan, C.T., Rascovsky, K., Boller, A., & Grossman, M. (2013). Self-appraisal in behavioral variant frontotemporal degeneration. *Journal of Neurology, Neurosurgery and Psychiatry*, 84(2), 148-53. PMID: PMC3556171*

16. Libon, D.J., Rascovsky, K., Gross, R.G., White, M.T., Xie, S.X., Dreyfuss, M., Boller, A., **Massimo, L.**, Moore, P., Kitain, J., Coslett, H.B., Chatterjee, A. & Grossman M. (2011). The Philadelphia Brief Assessment of Cognition (PBAC): A validated screening measure for dementia. *The Clinical Neuropsychologist*, 25(8), 1314-30. PMID: PMC3297195*
17. Grossman, M., Eslinger, P.J., Troiani, V., Anderson, C., Avants, B., Gee, J.C., McMillan, C., **Massimo, L.**, Khan, A. & Antani, S. (2010). The role of ventral medial prefrontal cortex in social decisions: Converging evidence from fMRI and frontotemporal lobar degeneration. *Neuropsychologia*, 48(12), 3503-3512. PMID: PMC2949451*
18. Xie, S.X., Libon, D.J., Wang, X., **Massimo, L.**, Moore, P., Vesely, L., Khan, A., Chatterjee, A., Coslett, H.B., Hurtig, H.I., Liang, T.W. & Grossman, M. (2010). Longitudinal patterns of semantic and episodic memory in frontotemporal lobar degeneration and Alzheimer's disease. *Journal of the International Neuropsychological Society*, 16(2), 278-286. PMID: PMC2883470*
19. Libon, D.J., McMillan, C., Gunawardena, D., Powers, C., **Massimo, L.**, Khan, A., Morgan, B., Farag, C., Richmond, L. & Grossman, M. (2009). Neurocognitive contributions to verbal fluency deficits in frontotemporal lobar degeneration. *Neurology*, 73(7), 535-542. PMID: PMC274085*
20. Libon, D.J., Xie, S., Wang, X., **Massimo, L.**, Moore, P.M., Vesely, L., Khan, A., Chatterjee, A., Coslett, H.B., Hurtig, H., Liang, T.W. & Grossman, M. (2009). Neuropsychological decline in frontotemporal lobar degeneration: A longitudinal analysis. *Neuropsychology*, 23(3), 337-346. PMID: PMC2740854*
21. **Massimo, L.**, Anderson, C., Moore, P., Avantz, B., Libon, D. & Grossman, M. (2009). Neuroanatomy of apathy and disinhibition in frontotemporal lobar dementia. *Dementia and Geriatric Cognitive Disorders*, 27(1), 96-104. PMID: PMC2820577*
22. Grossman, M., Xie, S., Libon, D.J., Wang, X., **Massimo, L.**, Moore, P., Vesely, L., Berkowitz, R., Chatterjee, A. & Coslett, H.B. (2008). Longitudinal decline in autopsy-defined frontotemporal lobar degeneration. *Neurology*, 72(1), 2036-2045.*
23. Bian, H., VanSwieten, J.C., Leight, S., **Massimo, L.**, Wood, E., Forman, M., Moore, P., de Koning, I., Clark, C.M., Rosso, S., Trojanowski, J., Lee, V.M. & Grossman, M. (2008). CSF biomarkers in frontotemporal lobar degeneration. *Neurology*, 71(12), 1827-1835.*
24. Libon, D., **Massimo, L.**, Moore, P., Coslett, H., Chatterjee, A., Aguirre, G., Rice, A., Vesely, L. & Grossman, M. (2007). Screening for frontotemporal dementias and Alzheimer's Disease with the Philadelphia Brief Assessment of Cognition: A preliminary analysis. *Dementia & Geriatric Cognitive Disorders*, 24(6), 441-447. PMID: 17971665*
25. Grossman, M., Libon, D.J., Forman, M.S., **Massimo, L.**, Wood, E., Moore, P., Anderson, C., Farmer, J., Chatterjee, A., Clark, C.M., Coslett, H.B., Hurtig, H.I., Lee, V.M. & Trojanowski, J.Q. (2007) Distinct antemortem profiles in pathologically-defined patients with frontotemporal dementia. *Archives of Neurology*, 64(11), 1601-1609. PMID: 17998442
26. Murray, R., Neumann, M., Forman, M.S., Farmer, J., **Massimo, L.**, Rice, A., Miller, B., Johnson, J.K., Clark, C.M., Hurtig, H.I., Gorno-Tempini, M.L., Lee, V.M., Trojanowski, J.Q.

& Grossman, M. (2007). Cognitive and motor assessment in autopsy-proven corticobasal degeneration. *Neurology*, 68, 1274-1283. PMID:17438218*

Journal Articles: Research, Peer Reviewed Reviews

27. Stevens, C., **Massimo, L.**, Harris, M., Evans, L. & Buckwalter, K. Advances in geropsychiatric nursing: A decade in review. (2020). *Archives of Psychiatric Nursing*. (in press).
28. Hwang, Y. **Massimo, L.** & Hodgson, N. (2020). Modifiable factors associated with anxiety in persons with dementia: An integrative review. *Geriatric Nursing*. (epub ahead of print).
29. Kolanowski, A., Gilmore-Bykovskyi, A., Hill, N., **Massimo, L.** & Mogle, J. (2019). State of the science: Measurement challenges in research with cognitively impaired persons. *Research in Gerontological Nursing* 12(1): 7-15. PMID: PMC6500490.
30. Jones, R.N., Cizginer, S., Pavlech, L., Albuquerque, A., Daiello, L., Dharmarajan, K., Gleason, L., Helfand, B., **Massimo, L.**, Oh, E., Okereke, O., Tabloski, P., Rabin, L., Yue, J., Marcantonio, E.R., Fong, T.G., Hshieh, T., Metzger, E., Erickson, K., Schmitt, E.M. & Inouye, S.K. (2018). Measurement instruments for delirium severity: A systematic review. *JAMA Internal Medicine*, 179(2), 231-239. PMID:PMC6382582.
31. **Massimo, L.**, Kales, H. & Kolanowski, A. (2018). State of the science: Apathy as a model for investigating behavioral and psychological symptoms in dementia. *Journal of the American Geriatrics Society*. PMID: PMC5905718.
32. Kolanowski, A., Boltz, M., Galik, E., Gitlin, L.N., Kales, H.C., Resnick, B., Van Haitsma, K.S., Knehans, A., Sutterlin, J.E., Sefcik, J.S., Liu, W., Petrovsky, D.V., **Massimo, L.**, Gilmore-Bykovskyi, A., MacAndrew, M., Brewster, G., Nalls, V., Jao, Y.L., Duffort, N. & Scerpella, D. (2017). Determinants of behavioral and psychological symptoms of dementia: A scoping review of the evidence. *Nursing Outlook*, 65(5), 525-529. PMID: PMC6579119.
33. **Massimo, L.**, Evans, L. & Grossman, M. (2014). Differentiating subtypes of apathy to improve person-centered care in frontotemporal degeneration. *Journal of Gerontological Nursing*, 40(10), 58-65. PMID: PMC4281275
34. **Massimo, L.** & Grossman, M. Patient care and management of frontotemporal lobar degeneration (2008). *American Journal of Alzheimer's Disease and other Dementias*, 23(2), 125-131. PMID: PMC2927812

Journal Articles: Non-Peer Reviewed Research/Other

35. Placek, K., **Massimo, L.**, Grossman, M., & McMillan, C. T. Author response: Cognitive reserve in frontotemporal degeneration: Neuroanatomic and neuropsychological evidence. (2016). *Neurology*, 88(16): 1590-1591. PMID: 28416618

Book Chapters

1. **Massimo, L.** & Hall, G. Before drugs: Non-pharmacologic approach to symptom management. (2014). In L. Radin & G. Radin (Eds.), *What if it's not Alzheimer's: A Caregiver's Guide to Non-Alzheimer's Dementia* (3rd ed.). Amherst, New York: Prometheus.
2. Caselli, R.J., Yaari, R. & **MacLennan, L.** Therapeutic interventions: Therapy and nonmedical options. (2008). In L. Radin & G. Radin (Eds.), *What if it's not Alzheimer's: A Caregiver's Guide to Non-Alzheimer's Dementia* (2nd ed.). Amherst, New York: Prometheus.

Alternative Media

1. Partners in care: Understanding and managing apathy, April 1, 2018. Published e-newsletter, Association for Frontotemporal Degeneration. https://www.theaftd.org/wp-content/uploads/2018/04/PinFTDcare_Newsletter_Winter_2018.pdf
2. Dealing with the emotional aspects of stroke rehab, April 14, 2014. Newspaper Interview, *Philadelphia Inquirer* http://articles.philly.com/2014-04-14/news/49101040_1_brain-damage-brain-injury-stroke
3. Demanding jobs may increase survival in frontotemporal dementia, April 22, 2015. Press release, American Academy of Neurology. <https://www.aan.com/PressRoom/home/PressRelease/1375>

RESEARCH PRESENTATIONS

PROFESSIONAL CONFERENCES (∞ indicates data-based, peer reviewed)

Paper Presentations

- ∞ Kraal, Z., **Massimo, L.**, Carrion, C., Medina, L., Gavett, B., & Tomaszewski-Farias, S. *Measuring Functional Reserve by Decomposing Cognition and Brain Variance*. The International Neuropsychological Society. February 7, 2020. Denver, CO.
- ∞ **Massimo, L.**, Miller, A., Schiffrin, D., Lydon, L. & Mechanic-Hamilton, D. *Usability of a Mobile App to Improve Goal-Directed Behavior: Changing Apathy into Action in Persons with Dementia*. Gerontological Society of America. November 13, 2019. Austin, TX.
- ∞ **Massimo, L.**, Rennert, L., Xie, S.X., Irwin, D.J, Grossman, M. & McMillan, C. *Genetic variations hasten decline in young onset dementia*. Council for the Advancement of Nursing Science, September 13, 2018. Washington, DC.
- ∞ **Massimo, L.**, McMillan, C.T., Dahodwala, N., Grossman, M. & Kolanowski, A. *Using biomarkers to design interventions for apathy with greater precision*. Gerontological Society of America, November 19, 2016. New Orleans, LA.

∞ **Massimo, L.** *Personal, interpersonal and environmental determinants of behavioral and psychological symptoms of dementia: Apathy.* Council for the Advancement of Nursing Science, September 15, 2016. Washington, DC.

∞ **Massimo, L.,** Munoz, E., Hill, N., Mogle, J., Fick, D., Mulhall, P. & Kolanowski, A. *APOE status and delirium severity in older adults with dementia.* Gerontological Society of America, November 19, 2015. Orlando, FL.

∞ **Massimo, L.,** Powers, J., Evans, L., McMillan, C., Eslinger, P., Ersek, M., Morgan, B. & Grossman, M. *Differentiating subtypes of apathy in young-onset dementia.* Gerontological Society of America, November 8, 2014. Washington, DC.

Byrd, E., Harris, M., **Massimo, L.** & Whyte, E. *Physician and advanced practice nurse collaboration: Complementary care for the mental health needs of the elderly.* American Association for Geriatric Psychiatry, March 17, 2014. Orlando, FL.

∞ **Massimo, L.** *Neuroimaging biomarkers to examine apathy in frontotemporal degeneration.* Gerontological Society of America, November 21, 2013. New Orleans, LA.

Poster Presentations

∞ Kinney N.G., Bove J., McMillan, C.T. & **Massimo L.** *The Effect of Social and Leisure Activity Engagement on Cortical Thickness in Behavioral Variant Frontotemporal Degeneration.* American Academy of Neurology. Toronto, ON, Canada. April 28, 2020. (Conference canceled).

∞ Bove, J., Kinney, N.G., McMillan, C.T., & **Massimo, L.** *Cognitively Complex Occupations Relate to Slower Cognitive and Functional Decline in Behavioral Variant Frontotemporal Degeneration.* American Academy of Neurology. Toronto, ON, Canada. April 28, 2020. (Conference canceled).

∞ Bove J, Kinney N.G., McMillan C.T., & **Massimo, L.** *Increased Mental Activity during Life Relates to Slower Decline in Memory in Behavioral Variant Frontotemporal Degeneration.* The International Neuropsychological Society. February 7, 2020. Denver, CO.

∞ Pham, T., **Massimo, L.** & Cousins, K. *Protective effect of lifetime experiences on functional status in young-onset dementia.* Gerontological Society of America, November 13, 2019. Austin, TX.

∞ **Massimo, L.,** Nwadiogbu, C., McMillan, C.T. & Dahodwala, N. *Neural correlates of impaired motivation in parkinson's disease.* American Academy of Neurology, May 6, 2019. Philadelphia, PA.

∞ Dominguez Perez, Norise, C., Phillips, J., Vaddi, P., Rascovsky, K., Irwin, D., **Massimo, L.,** Grossman, M. & Cousins, K. *Clinical assessments to differentiate FTD and AD pathology in patients that meet bvFTD criteria.* 11th International Conference on Frontotemporal Dementias (ICFTD), November 13, 2018. Sydney, Australia.

∞ Caswell, C., McMillan, C., Xie, S., Grossman, M., & **Massimo, L.** *Genetic predictors of survival in frontotemporal degeneration.* 11th International Conference on Frontotemporal Dementias (ICFTD), November 12, 2018. Sydney, AUS 2018.

∞ Faulkner, K., Hennessy, L., Caswell, C., Elman, L., McCluskey, L., Van Deerlin, V., **Massimo, L.**, Irwin, D., Grossman, M., Xie, S.X. & McMillan, C.T. *Development of a secondary phenotype within the ALS/FTD spectrum in the presence of a C9orf72 expansion.* 11th International Conference on Frontotemporal Dementias (ICFTD), November 12, 2018. Sydney, AUS.

∞ Dahodwala, N. McMillan, C., Nwadiogbu, C. Liu, J., Miller, A., Pavon, M. Weintraub, D. & **Massimo, L.** *Impaired performance on measures of goal-directed behavior are associated with greater caregiver burden in Parkinson's disease.* International Congress of Parkinson's Disease and Movement Disorders, October 8, 2018. Hong Kong.

∞ **Massimo, L.**, Caswell, C., Xie, S., X., McMillan, C. & Grossman, M. *Brain reserve and survival in young-onset dementia.* Society for Neuroscience, November 15, 2017. Washington, DC.

∞ **Massimo, L.**, McMillan, C.T., Xie, S., Rennert, L., Rascovsky, K., Kolanowski, A. & Grossman, M. *Occupational attainment influences longitudinal decline in young-onset dementia.* IAGG World Congress of Gerontology and Geriatrics, July 25, 2017. San Francisco, CA.

∞ **Massimo, L.**, McMillan, C.T., Xie, S., Rennert, L., Rascovsky, K., Kolanowski, A. & Grossman, M. *Occupational attainment influences longitudinal decline in frontotemporal degeneration.* Council for the Advancement for Nursing Science, September 17, 2016. Washington DC

∞ Igne, C.M., **Massimo, L.**, Firn, K., Halpin, A., York., C., Kofman, O., Langey, R., Grossman, M. & McMillan, C. *Caregivers' attitudes toward their family members' participation in frontotemporal degeneration biomarker research: Gauging willingness.* 10th International Conference on Frontotemporal Dementias, August 31, 2016. Munich, Germany.

∞ **Massimo, L.**, Rennert, L., Xie, S., Van Deerlin, V., Irwin, D.J., McMillan, C. & Grossman, M. *Myelin oligodendrocyte basic protein and longitudinal decline in behavioral-variant frontotemporal degeneration.* American Academy of Neurology, April 21, 2016. Vancouver, British Columbia.

∞ Placek, K., Ternes, K., Olm, C., **Massimo, L.**, Woo, J., Elman, L., McKluskey, L., Irwin, D., Grossman, M. & McMillan, C. *Cognitive reserve is protective of frontotemporal grey matter and cognition in amyotrophic lateral sclerosis.* American Academy of Neurology, April 21, 2016. Vancouver, British Columbia.

∞ Halpin, A., Rascovsky, K., **Massimo, L.**, Irwin, D.J., McMillan, C., Grossman, M. *Evidence of social norm deficits in progressive supranuclear palsy.* American Academy of Neurology, April 20, 2016. Vancouver, British Columbia.

∞ Lim, N., **Massimo, L.**, Fitts, W., Dahodwala, N. & Grossman, M. (2015). *Differential apathy profiles in alzheimer's disease and parkinson's disease*. American Academy of Neurology, April 2015, Washington, DC.

∞ Rennert, L., Xie, S., **Massimo, L.**, Rascovsky, R., McMillan, C.T., & Grossman, M. (2015). *Occupational attainment delays cognitive decline in frontotemporal degeneration*. American Academy of Neurology, April 2015, Washington, DC

∞ **Massimo, L.**, Evans, L.K., McMillan, C.T., Rascovsky, C., Eslinger, P., Ersek, M., Morgan, B., Irwin, D.I. & Grossman, M. (2014). *Apathy in behavioral variant frontotemporal degeneration--Defining subtypes using a model of goal-directed behavior*. American Association for Geriatric Psychiatry, March 2014, Orlando, FL.

∞ **Massimo, L.**, Evans, L.K., Morgan, B., Powers, J. & Grossman, M. (2013). *Impaired motivation contributes to apathy in behavioral variant frontotemporal degeneration*. Gerontological Society of America, November 2013, New Orleans, LA.

∞ **Massimo, L.**, Evans, L.K., Morgan, B., Powers, J., Grossman, M. (2012). *Executive difficulty and apathy in behavioral variant frontotemporal degeneration*. Gerontological Society of America, November 2012, San Diego, CA.

∞ **Massimo, L.**, Morgan, B., Chandrasekaran, K., Boller, A., Camp, E., McMillan, C., Rascovsky, K. & Grossman, M. (2012). *Initiation difficulty and apathy in frontotemporal degeneration*. American Academy of Neurology, April 2012, New Orleans, LA.

∞ **Massimo, L.**, Libon, D., Morgan, B., Boller, A., Chandrasekaran, K. & M. Grossman. *Neural correlates for multiple tasks in frontotemporal degeneration*. Society for Neuroscience, November 2011, Washington, D.C.

∞ **Massimo, L.**, Libon, D., Morgan, B., Boller, A., Moore, P., & Grossman, M. *Metacognitive sensitivity to neuropsychological impairment in frontotemporal degeneration and alzheimer's disease*. American Academy of Neurology, April 2010, Toronto, Ontario, Canada.

∞ **Massimo, L.**, Anderson, C., Moore, P., Avantz, B., Libon, D. & Grossman, M. *Neuroanatomical correlates of apathy and disinhibition in frontotemporal dementia*. American Academy of Neurology, April 2007, Chicago, IL.

∞ **Massimo, L.**, Moore, P.N., Antani, S., Cross, G., McCawley, G. & Grossman, M. *Factors provoking caregiver distress in frontotemporal dementia*. The 5th International Conference on Frontotemporal Dementia, September 2006, San Francisco, CA.

RECENT LECTURES BY INVITATION, SPEECHES AND WORKSHOPS

2020 *Brain-Behavior Connections in Behavioral Frontotemporal Degeneration*, The Association for Frontotemporal Degeneration Annual Caregiver Conference, Baltimore, MD, April 17. (Conference canceled).

- 2019 *Caregiver Burden and Needs in Young-Onset Dementia*, Pennsylvania Secretary of State Robert Torres visit to University of Pennsylvania, Institute on Aging, Philadelphia, PA, October 16
- 2018 *The Cognitive and Neural Basis for Symptoms of Neurodegenerative Disease*, New Courtland Center for Transitions and Health, University of Pennsylvania, School of Nursing, Philadelphia, PA, December 4
- 2018 *State of the Science on Aging, Dementia and Mental Health*, National Hartford Center for Gerontological Nursing Excellence Annual Leadership Conference, Boston, MA, November 14
- 2018 *Precision Science*, National Hartford Center for Gerontological Nursing Excellence Annual Leadership Conference, Boston, MA, November 13
- 2018 *Decision Making in Advanced Illness*, 9th Annual Frontotemporal Dementia Caregiver Conference, Philadelphia, PA, June 8.
- 2017 *State of the Science: Apathy as Model for Investigating Behavioral and Psychological Symptoms of Dementia*, National Hartford Center of Gerontological Nursing Excellence Leadership Conference, San Francisco, CA, July 22.
- 2017 *From Bench to Bedside: Understanding Molecules, Pathways and Biomarkers to Individualize Care for Older Adults*, National Hartford Center of Gerontological Nursing Excellence Leadership Conference, San Francisco, CA, July 22.
- 2017 *Decision Making in Advanced Illness*, 8th Annual Frontotemporal Dementia Caregiver Conference, Philadelphia, PA, May 12.
- 2017 *Brain-Behavior Relationships in Frontotemporal Degeneration*, The Association for Frontotemporal Degeneration, 2017 Education Conference, Baltimore, MD, May 5.
- 2017 *Factors Influencing Heterogeneity in Frontotemporal Degeneration*, Center for Neurodegenerative Disease Research, University of Pennsylvania, School of Medicine, Philadelphia, PA, February 16.
- 2016 *End of Life Care in Young Onset Dementia*, State of Delaware Health and Social Services, Newark, DE, December 15.
- 2015 *Decision Making in Advanced Illness*, 7th Annual Frontotemporal Dementia Caregiver Conference, Philadelphia, PA, July 24.
- 2014 *Issues of Informed Consent in Frontotemporal Degeneration*, Office for Human Research Protections Research Community Forum, Philadelphia, PA, October 23.

- 2013 *Decision Making in Advanced Disease*, 5th Annual Frontotemporal Dementia Caregiver Conference; Philadelphia, PA, June 7.
- 2011 *Situated Possibilities: Drawing on Existential Skills of Dwelling for Research in Caring for the Cognitively Impaired*, Patricia Benner & Lauren Massimo, University of Pennsylvania, School of Nursing, March 29.
- 2009 *Nursing and End of Life Care*, 3rd Annual Frontotemporal Dementia Caregiver Conference, Philadelphia, PA, July 10.
- 2007 *Nursing and End of Life Care*, 2nd Annual Frontotemporal Dementia Caregiver Conference, Philadelphia, PA, June 22.

MEETING/CONFERENCE ORGANIZING ROLES

- | | | |
|--------------|--------------------|---|
| 2017-2018 | Planning Committee | 2018 Lewy Body Dementia Association Education Conference |
| 2016-2017 | Planning Committee | 2017 National Hartford Centers of Geriatric Nursing Excellence Leadership Conference |
| 2015-present | Abstract Reviewer | The Gerontological Society of America |
| 2012-present | Organizer | Hartford Gerontological Nursing Leaders, Geropsychiatric Nursing Collaborative Annual Breakfast Meeting |

MEMBERSHIPS IN PROFESSIONAL & SCIENTIFIC SOCIETIES & OFFICES HELD

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| 2020-present | International Society for Frontotemporal Dementias |
| 2017-present | American Academy of Nursing |
| 2012-present | American Academy of Neurology |
| 2011-present | Society for Neuroscience |
| 2007-present | Gerontological Society of America, Health Sciences Section |
| 2002-present | Sigma Theta Tau International Honor Society of Nursing |

SELECTED PROFESSIONAL ACTIVITIES

Peer Reviewer

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| 2012-present | Ad-hoc Reviewer Brain; JAMA Neurology; Neurology; Journal of Alzheimer’s Disease; Neuroimage; International Journal of Older People Nursing; Journal of Gerontological Nursing; Geriatric Nursing; Neuropsychologia |
| 2019 | Peer Reviewer, Indiana Alzheimer’s Disease Center, Pilot Project Grant |

SERVICE ACTIVITIES AT CURRENT PLACE OF EMPLOYMENT

School of Nursing Committees

- | | |
|--------------|--|
| 2020-current | Peer Mentorship Program, School of Nursing PhD Program, Faculty mentor |
| 2019-current | Penn Nursing Research & Innovation Strategic Plan Work Group, Member |
| 2019-current | Bylaws Committee Member, School of Nursing |

DOCTORAL DISSERTATION COMMITTEES AND POST DOCS MENTORED

Carrie Caswell, PhD. (2019). “Measurement Error and Missing Data Methods for Biomarker Research.” Committee Member, University of Pennsylvania School of Medicine, Department of Biostatistics.

Eniat Brenner, PhD. (2020). “Relationship Between Cognitive Reserve and Connectivity in Traumatic Brain Injury.” Committee Member, The Pennsylvania State University, College of Psychology.

Brianna Morgan, MSN, CRNP. “Inner Strength in Persons Living with Dementia.” Committee Member, University of Pennsylvania School of Nursing.

MENTORED PROFESSIONALS

Yeji Hwang, MSN, RN (PhD student/Penn School of Nursing); Advisor, 2018-current

Rebecca Neergaard (Neuroscience and Economics undergraduate student/Temple University); Advisor for summer internship, 2018

Kayla Blair (Neuroscience undergraduate student/Johns Hopkins University); Advisor for summer internship, 2016, 2017