

CURRICULUM VITAE

*University of Pittsburgh
School of Medicine*

BIOGRAPHICAL INFORMATION

Name:	Daniel J. Buysse, M.D.		
Home Address:	123 Searight Drive Baden, PA 15005	Birth Place:	Detroit, Michigan
Home Phone:	(724) 934-8893	Citizenship:	USA
Business Address:	Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	E-Mail Address	buyssej@upmc.edu
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EDUCATION AND TRAINING

Undergraduate

September 1976-May 1981	University of Michigan Ann Arbor, Michigan	Bachelor of Arts with High Distinction 1981	English, Biomedical Science
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Graduate

September 1981-May 1983	University of Michigan Ann Arbor, Michigan	Doctor of Medicine 1983	Peter Ward, M.D., Acting Dean, Medical School
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Postgraduate

July 1983-June 1984	Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Internship Medicine Psychiatry	Peter B. Henderson, M.D. Program Director, Residency Education in General and Child Psychiatry
July 1984-June 1987	Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Residency General/ Psychiatry	Peter B. Henderson, M.D. Program Director, Residency Education in General and Child Psychiatry
July 1987-June 1989	Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Clinical Research Fellow	Michel Hersen, Ph.D. Director, Postdoctoral Training in Psychiatry

July 1987-June 1989	Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Clinical Polysomnography Fellow	Charles F. Reynolds III, M.D., Director, Sleep and Chronobiology Center
January-May 2012	UPMC Physician Services Division and Joseph M. Katz Graduate School of Business, University of Pittsburgh	Physician Leadership and Management Certificate	Director: Paul Paris, M.D., Carrie Leanna, Ph.D.

APPOINTMENTS AND POSITIONS

June 1988-1995	Department of Psychiatry Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Assistant Professor of Psychiatry
June 1989-2005	Department of Psychiatry Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Medical Director, Sleep Evaluation Center (Sleep and Chronobiology Department)
July 1989-September 1991	Department of Psychiatry Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Associate Director, Residency Training
July 1995-June 2003	Department of Psychiatry Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Associate Professor of Psychiatry
April 1997-2006	General Clinical Research Center University of Pittsburgh Medical Center 200 Lothrop Street Pittsburgh, PA 15213	Associate Director
July, 1997	Conferral of Tenure University of Pittsburgh School of Medicine Department of Psychiatry	
April 1999-2006	Clinical Neuroscience Research Center University of Pittsburgh Medical Center 3811 O'Hara Street Pittsburgh, PA 15213	Director
May 1999-2006	American Academy of Sleep Medicine Accredited Sleep Medicine Fellowship University of Pittsburgh Medical Center 3811 O'Hara Street Pittsburgh, PA 15213	Co-Director

June 2003-present	Department of Psychiatry Western Psychiatric Institute and Clinic 3811 O'Hara Street Pittsburgh, PA 15213	Professor of Psychiatry
2005-present	University of Pittsburgh Medical Center UPMC Sleep Medicine Center 3811 O'Hara Street Pittsburgh, PA 15213	Co-Director
2006-2009	Participant and Clinical Interactions Resources Core (PCIR) of the University of Pittsburgh Clinical and Translational Science Institute (CTSI) Pittsburgh, PA 15213	Core Director
2006-2014	Neuroscience Clinical and Translational Research Center University of Pittsburgh 3811 O'Hara Street Pittsburgh, PA 15213	Director
2007-present	University of Pittsburgh Sleep Medicine Institute University of Pittsburgh 3811 O'Hara Street Pittsburgh, PA 15213	Co-Director
2008-present	University of Pittsburgh 3811 O'Hara Street Pittsburgh, PA 15213	Professor of Clinical and Translational Science
2009-2015	Clinical Research Resources and Facilities (CRRF) Core, University of Pittsburgh Clinical and Translational Science Institute (CTSI) Pittsburgh, PA 15213	Core Assistant Director
2015-2016	Clinical Research Resources and Facilities (CRRF) Core University of Pittsburgh Clinical and Translational Science Institute (CTSI) Pittsburgh, PA 15213	Core Director
2016-present	Hub Research Capacity Core University of Pittsburgh Clinical and Translational Science Institute (CTSI) Pittsburgh, PA 15213	Director

CERTIFICATION AND LICENSURE SPECIALTY CERTIFICATION

American Board of Psychiatry and Neurology (certificate #: 30530)	1988
American Board of Sleep Medicine (certificate #: 272)	1989
American Board of Psychiatry and Neurology, Sleep Medicine Sub-specialty (certificate #: 001)	2007

MEDICAL OR OTHER PROFESSIONAL LICENSURE

Commonwealth of Pennsylvania Medical Physician and Surgeon	1984
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MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Pennsylvania Psychiatric Association	1983
American Psychiatric Association	1983
Society for Research on Biological Rhythms	1987
Sleep Research Society	1987
American Academy of Sleep Medicine (Formerly American Sleep Disorders Association)	1987
American Medical Association	1999
Association of Behavioral and Cognitive Therapy	2010
Society of Behavioral Sleep Medicine	2010
American Psychosomatic Society	2014
Academy of Behavioral Medicine Research	2014
Association of American Physicians	2018

HONORS

Phi Beta Kappa	1978
National Psychiatric Endowment Fund, Laughlin Award for Merit	1986
Best Doctors in America®	1996-2017
Nathaniel Kleitman Distinguished Service Award, American Academy of Sleep Medicine	2004
Fellow of the American Academy of Sleep Medicine (FAASM) (Professional Achievement in the Field of Sleep Medicine)	2007
America's Top Doctors	2009-2017
<i>Pittsburgh Magazine's</i> "Top Doctors"	2009-2018
Society of Behavioral Sleep Medicine Distinguished Service Award	2010-2014
<i>US News & World Report</i> "Top Doctors"	2011-2017
University of Pittsburgh Innovator Award for Pittsburgh Sleep Quality Index	2011
NIH Center for Scientific Review New Chair Orientation (invited to participate as an experienced former study section chair)	2013
UPMC Endowed Chair in Sleep Medicine	2014
Mary A. Carskadon Outstanding Educator Award, Sleep Research Society	2015
University of Pittsburgh Center for Circadian Sleep and Circadian Science 2018 Team Bowling Champion	2018
Elected to the Association of American Physicians	2018
Reader's Digest Best Sleep Doctor in Every State, Pennsylvania	2019

PUBLICATIONS

Refereed Articles

1. **Buysse DJ**, Reynolds CF, Kupfer DJ, Houck PR, Hoch CC, Stack JA, Berman SR: Electroencephalographic sleep in depressive pseudodementia. Archives of General Psychiatry, 45(6):568-75, 1988.
2. **Buysse DJ**, Reynolds CF, Houck PR, Stack J, Kupfer DJ: Age of illness onset and sleep EEG variables in elderly depressives. Biological Psychiatry, 24(3):355-9, 1988.
3. Reynolds CF, Hoch CC, Kupfer DJ, **Buysse DJ**, Houck PR, Stack JA, Campbell DW: Bedside differentiation of depressive pseudodementia from dementia. The American Journal of Psychiatry, 145(9):1099-1103, 1988.
4. Hoch CC, Reynolds CF, Houck PR, Hall F, Berman SR, **Buysse DJ**, Dahl RE, Kupfer DJ: Predicting mortality in mixed depression and dementia using EEG sleep variables. The Journal of Neuropsychiatry and Clinical Neuroscience, 1(4):366-71, 1989.
5. **Buysse DJ**, Reynolds CF, Monk TH, Berman SR, Kupfer DJ: The Pittsburgh Sleep Quality Index: A new instrument for psychiatric practice and research. Psychiatry Research, 28(2):193-213, 1989.
6. *Wright BA, Rosen JR, **Buysse DJ**, Reynolds CF, Zubenko GS: Shy-Drager syndrome presenting as a REM behavioral disorder. Journal of Geriatric Psychiatry and Neurology, 3(2):110-3, 1990.
7. **Buysse DJ**, Kupfer DJ: Diagnostic and research applications of electroencephalographic sleep studies in depression: Conceptual and methodological issues. Journal of Nervous and Mental Disease, 178(7):405-14, 1990.
8. Reynolds CF, Kupfer DJ, Thase ME, Frank E, Jarrett DB, Coble PA, Hoch CC, **Buysse DJ**, Simons AD, Houck PR: Sleep, gender, and depression: An analysis of gender effects on the electroencephalographic sleep of 302 depressed outpatients. Biological Psychiatry, 28(8):673-84, 1990.
9. *Brendel DH, Reynolds CF, Jennings JR, Hoch CC, Monk TH, Berman SR, Hall FT, **Buysse DJ**, Kupfer DJ: Sleep stage physiology, mood, and vigilance responses to total sleep deprivation in healthy 80-year-olds and 20-year-olds. Psychophysiology, 27(6):677-85, 1990.
10. **Buysse DJ**, Jarrett DB, Miewald JM, Kupfer DJ, Greenhouse JB: Minute-by-minute analysis of REM sleep timing in major depression. Biological Psychiatry, 28(10):911-25, 1990.
11. Hoch CC, Reynolds CF, Monk TH, **Buysse DJ**, Yeager AL, Houck PR, Kupfer DJ: Comparison of sleep-disordered breathing among healthy elderly in the seventh, eighth, and ninth decades of life. Sleep, 13(6):502-11, 1990.
12. Reynolds CF, **Buysse DJ**, Kupfer DJ, Hoch CC, Houck PR, Matzzie J, George CJ: Rapid eye movement sleep deprivation as a probe in elderly subjects. Archives of General Psychiatry, 47(12):1128-36, 1990.
13. Reynolds CF, Monk TH, Hoch CC, Jennings JR, **Buysse DJ**, Houck PR, Jarrett DB, Kupfer DJ: Electroencephalographic sleep in the healthy "old-old": A comparison with the "young-old" in visually scored and automated measures. The Journal of Gerontology, 46(2):M39-46, 1991.

14. Reynolds CF, Kupfer DJ, **Buysse DJ**, Coble PA, Yeager AL: Sub-typing DSM-III-R Primary insomnia: A literature review by the DSM-IV work group on sleep disorders. American Journal of Psychiatry, 148(4):432-8, 1991.
15. Pasternak RE, Reynolds CF, Schlernitzauer M, Hoch CC, **Buysse DJ**, Houck PR, Perel JM: Acute open-trial nortriptyline therapy of bereavement-related depression in late life. Journal of Clinical Psychiatry, 52(7):307-10, 1991.
16. **Buysse DJ**, Reynolds CF, Monk TH, Hoch CC, Yeager AL, Kupfer DJ: Quantification of subjective sleep quality in healthy elderly men and women using the Pittsburgh Sleep Quality Index (PSQI). Sleep, 14(4):331-8, 1991.

Buysse DJ. Erratum: Quantification of subjective sleep quality in healthy elderly men and women using the Pittsburgh Sleep Quality Index (PSQI). Sleep, 14, 331-338. Sleep. 1992; 15(1):83.
17. Monk TH, Reynolds CF, **Buysse DJ**, Hoch CC, Jarrett DB, Jennings JR, Kupfer DJ: Circadian characteristics of healthy 80-year-olds and their relationship to objectively recorded sleep. Journal of Gerontology, 46(5):M171-5, 1991.
18. Reynolds CF, Hoch CC, **Buysse DJ**, George CJ, Houck PR, Mazumdar S, Miller M, Pollock BG, Rifai H, Frank E, Cornes C, Morycz RK, Kupfer DJ: Sleep in late-life recurrent depression: Changes during early continuation therapy with nortriptyline. Neuropsychopharmacology, 5(2):85-96, 1991.
19. Reynolds CF, Jennings JR, Hoch CC, Monk TH, Berman SR, Hall FT, Matzzie JV, **Buysse DJ**, Kupfer DJ: Daytime sleepiness in the healthy "old old": A comparison with young adults. Journal of the American Geriatrics Society, 39(10):957-62, 1991.
20. **Buysse DJ**, Reynolds CF, Hoch CC, Houck PR, Berman SR, Matzzie J, Kupfer DJ: Rapid eye movement sleep deprivation in elderly patients with concurrent symptoms of depression and dementia. Journal of Neuropsychiatry and Clinical Neuroscience, 4(3):249-56, 1992.
21. Reynolds CF, Hoch CC, **Buysse DJ**, Houck PR, Schlernitzauer M, Frank E, Mazumdar S, Kupfer DJ: Electroencephalographic sleep in spousal bereavement and bereavement-related depression of late life. Biological Psychiatry, 31(1):69-82, 1992.
22. Hoch CC, Reynolds CF, Jennings JR, Monk TH, **Buysse DJ**, Machen MA, Kupfer DJ: Daytime sleepiness and performance among healthy 80 and 20 year olds. Neurobiology of Aging, 13(2):353-6, 1992.
23. **Buysse DJ**, Kupfer DJ, Frank E, Monk TH, Ritenour A, Ehlers CL: Electroencephalographic sleep studies in depressed outpatients treated with interpersonal psychotherapy. I. Baseline studies in responders and nonresponders. Psychiatry Research, 42(1):13-26, 1992.
24. **Buysse DJ**, Kupfer DJ, Frank E, Monk TH, Ritenour A: Electroencephalographic sleep studies in depressed outpatients treated with interpersonal psychotherapy. II. Longitudinal studies at baseline and recovery. Psychiatry Research, 42(1):27-40, 1992.
25. Pasternak RE, Reynolds CF, Hoch CC, **Buysse DJ**, Schlernitzauer MA, Machen M, Kupfer DJ: Sleep in spousally bereaved elders with subsyndromal depressive symptoms. Psychiatry Research, 43(1):43-53, 1992.
26. Monk TH, **Buysse DJ**, Reynolds CF, Jarrett DB, Kupfer DJ: Rhythmic versus homeostatic influences on mood, activation and performance in young and old men. Journal of Gerontology, 47(4):P221-7, 1992.

27. **Buysse DJ**, Browman KE, Monk TH, Reynolds CF, Fasiczka AL, Kupfer DJ: Napping and 24-hour sleep/wake patterns in healthy elderly and young adults. Journal of the American Geriatric Society, 40(18):779-86, 1992.
28. Hoch CC, Reynolds CF, **Buysse DJ**, Machen M, Schlernitzauer M, Hall F, Kupfer DJ: Sleep-disordered breathing in healthy and spousally bereaved elderly: A one-year follow-up study. Neurobiology of Aging, 13(6):741-6, 1992.
29. Reynolds CF, Grochocinski VJ, Monk TH, **Buysse DJ**, Giles DE, Coble PA, Matzzie JV, Doman J, Monahan J, Kupfer DJ: Concordance between habitual sleep times and laboratory recording schedules. Sleep, 15(6):571-5, 1992.
30. *Lee JH, Reynolds CF, Hoch CC, **Buysse DJ**, Mazumdar S, George CJ, Kupfer DJ: Electroencephalographic sleep in recently remitted, elderly depressed patients in double-blind placebo-maintenance therapy. Neuropsychopharmacology, 8(2):143-50, 1993.
31. Hoch CC, Reynolds CF, **Buysse DJ**, Fasiczka AL, Houck PR, Mazumdar S, Kupfer DJ: Two-year survival patients with mixed symptoms of depression and cognitive impairment: Comparison with major depression and primary degenerative dementia. The American Journal of Geriatric Psychiatry, 1(1):59-66, 1993.
32. Monk TH, **Buysse DJ**, Reynolds CF, Kupfer DJ: Inducing jet lag in older people: Adjusting to a 6-hour phase advance in routine. Experimental Gerontology, 28(2):119-33, 1993.
33. Jennings JR, Reynolds CF, Houck PR, **Buysse DJ**, Hoch CC, Hall F, Monk TH: Age and sleep modify finger temperature responses to facial cooling. Journal of Gerontology, 48(3):M108-16, 1993.
34. Jennings JR, Reynolds CF, Bryant DS, Berman SR, **Buysse DJ**, Dahl RE, Hoch CC, Monk TH: Peripheral thermal responsivity to facial cooling during sleep. Psychophysiology, 30(4):374-82, 1993.
35. Nofzinger EA, **Buysse DJ**, Reynolds CF, Kupfer DJ: Sleep disorders related to another mental disorder (nonsubstance/primary): A DSM-IV literature review. The Journal of Clinical Psychiatry, 54(7):244-55, 1993.
36. **Buysse DJ**, Monk TH, Reynolds CF, Mesiano D, Houck PR, Kupfer DJ: Patterns of sleep episodes in young and elderly adults during a 36-hour constant routine. Sleep, 16(7):632-7, 1993.
37. *Myers JE, **Buysse DJ**, Thase ME, Perel J, Miewald JM, Cooper TB, Kupfer DJ, Mann JJ: The effects of fenfluramine on sleep and prolactin in depressed inpatients: A comparison of potential indices of brain serotonergic responsivity. Biological Psychiatry, 34(11):753-8, 1993.
38. Reynolds CF, Hoch CC, **Buysse DJ**, Houck PR, Schlernitzauer M, Pasternak RE, Frank E, Mazumdar S, Kupfer DJ: Sleep after spousal bereavement: A study of recovery from stress. Biological Psychiatry, 34(11):791-7, 1993.
39. Reynolds CF, Hoch CC, **Buysse DJ**, Monk TH, Houck PR, Kupfer DJ: Symposium: Normal and abnormal REM sleep regulation: REM sleep in successful, usual, and pathological aging: The Pittsburgh experience 1980-1993. Journal of Sleep Research, 2(4):203-10, 1993.
40. Dew MA, Reynolds CF, Monk TH, **Buysse DJ**, Hoch CC, Jennings J, Kupfer DJ: Psychosocial correlates and sequelae of electroencephalographic sleep in healthy elders. Journal of Gerontology, 49(1):P8-8, 1994.

41. Monk TH, **Buysse DJ**, Frank E, Kupfer DJ, Dettling J, Ritenour AM: Nocturnal and circadian body temperatures of depressed outpatient during symptomatic and recovered states. Psychiatry Research, 51(3):297-311, 1994.
42. Pasternak RE, Reynolds CF, Houck PR, Schlernitzauer MA, **Buysse DJ**, Hoch CC, Kupfer DJ: Sleep in bereavement-related depression during and after pharmacotherapy with nortriptyline. Journal of Geriatric Psychiatry and Neurology, 7(2):69-73, 1994.
43. Hoch CC, Dew MA, Reynolds CF, Monk TH, **Buysse DJ**, Houck PR, Machen MA, Kupfer DJ: A longitudinal study of laboratory- and diary-based sleep measures in healthy "old old" and "young old" volunteers. Sleep, 17(6):489-96, 1994.
44. **Buysse DJ**, Reynolds CF, Hauri PJ, Roth T, Stepanski EJ, Thorpy MJ, Bixler EO, Kales A, Manfredi RL, Vgontzas AN, Stapf DM, Houck PR, Kupfer DJ: Diagnostic concordance for DSM-IV sleep disorders: A report from the APA/NIMH DSM-IV field trial. American Journal of Psychiatry, 151(9):1351-60, 1994.
45. **Buysse DJ**, Reynolds CF, Kupfer DJ, Thorpy MJ, Bixler E, Manfredi R, Kales A, Vgontzas A, Stepanski E, Roth T, Hauri P, Mesiano D: Clinical diagnoses in 216 insomnia patients using the International Classification of Sleep Disorders (ICSD), DSM-IV, and ICD-10 categories: A report from the APA/NIMH DSM-IV field trial. Sleep, 17(7):630-7, 1994.
46. Monk TH, Reynolds CF, Kupfer DJ, **Buysse DJ**, Coble PA, Hayes AJ, Machen MA, Petrie SR, Ritenour AM: The Pittsburgh Sleep Diary. Journal of Sleep Research, 3(2):111-20, 1994.
47. **Buysse DJ**, Kupfer DJ, Frank E, Monk TH, Ritenour A: Do EEG sleep studies predict recurrence in depressed patients successfully treated with psychotherapy? Depression, 2(2):105-8, 1994.
48. Reite M, **Buysse DJ**, Reynolds CF, Mendelson W: The use of polysomnography in the evaluation of insomnia. Sleep, 18(1):58-70, 1995.
49. Doman J, Detka C, Hoffman T, Kesicki D, Monahan JP, **Buysse DJ**, Reynolds CF, Coble PA, Matzzie J, Kupfer DJ: Automating the sleep laboratory: implementation and validation of digital recording and analysis. International Journal of Bio-Medical Computing, 38(3):277-90, 1995.
50. Monk TH, **Buysse DJ**, Reynolds CF, Kupfer DJ: Inducing jet lag in an older person: Directional asymmetry. Experimental Gerontology, 30(2):137-45, 1995.
51. Monk TH, **Buysse DJ**, Reynolds CF, Kupfer DJ, Houck PR: Circadian temperature rhythms of older people. Experimental Gerontology, 30(5):455-74, 1995.
52. **Buysse DJ**, Monk TH, Kupfer DJ, Frank E, Stapf D: Circadian patterns of unintended sleep episodes during a constant routine in remitted depressed patients. Journal of Psychiatric Research, 29(5):407-16, 1995.
53. Thase ME, Kupfer DJ, **Buysse DJ**, Frank E, Simons AD, McEachran AB, Rashid KF, Grochocinski VJ: Electroencephalographic sleep profiles in single-episode and recurrent unipolar forms of major depression: I. Comparison during acute depressive states. Biological Psychiatry, 38(8):506-15, 1995.
54. Reynolds CF, Frank E, Dew MA, Perel JM, Mazumdar S, **Buysse DJ**, Begley A, Houck PR, Miller MD, Cornes C, Kupfer DJ: Discrimination of recovery in the treatment of elderly patients with recurrent major depression: Limits of prediction. Depression, 2:218-22, 1995.

55. *Bearden C, Lavelle N, **Buysse DJ**, Ritenour A, Karp J, Frank E: Personality pathology and time to response in depressed outpatients treated with interpersonal psychotherapy (IPT). Journal of Personality Disorders, 10(2):164-173, 1996.
56. *Opdyke KS, Reynolds CF, Frank E, Begley AE, **Buysse DJ**, Dew MA, Mulsant BH, Shear MK, Mazumdar S, Kupfer DJ: Effect of continuation treatment on residual symptoms in late-life depression: how well is "well"? Depression and Anxiety, 4(6):312-9, 1996/97.
57. Dew MA, Reynolds CF, **Buysse DJ**, Houck PR, Hoch CC, Monk TH, Kupfer DJ: Electroencephalographic sleep profiles during depression: Effects of episode duration and other clinical and psychosocial factors in older adults. Archives of General Psychiatry, 53(2):148-56, 1996.
58. **Buysse DJ**, Reynolds CF, Hoch CC, Houck PR, Kupfer DJ, Mazumdar S, Frank E: Longitudinal effects of nortriptyline on EEG sleep and the likelihood of recurrence in elderly depressed patients. Neuropsychopharmacology, 14(4):243-52, 1996.
59. *Brown LF, Reynolds CF, Monk TH, Prigerson HG, Dew MA, Houck PR, Mazumdar S, **Buysse DJ**, Hoch CC, Kupfer DJ: Social rhythm stability following late-life spousal bereavement: Associations with depression and sleep impairment. Psychiatry Research, 62(2):161-9, 1996.
60. *Carrier J, Monk TH, **Buysse DJ**, Kupfer DJ: Inducing a 6-hour phase advance in the elderly: Effects on sleep and temperature rhythms. Journal of Sleep Research, 5(2):99-105, 1996.
61. Monk TH, **Buysse DJ**, Reynolds CF, Kupfer DJ: Circadian determinants of the postlunch dip in performance. Chronobiology International, 13(2):123-33, 1996.
62. Monk TH, **Buysse DJ**, Reynolds CF, Kupfer DJ, Houck PR: Subjective alertness rhythms in elderly people. Journal of Biological Rhythms, 11(3):274-85, 1996.
63. *Carrier J, Monk TH, **Buysse DJ**, Kupfer DJ: Amplitude reduction of the circadian temperature and sleep rhythms in the elderly. Chronobiology International, 13(5):373-86, 1996.
64. **Buysse DJ**, Perlis ML. The evaluation and treatment of insomnia. Journal of Practical Psychiatry and Behavioral Health, 2(2):80-93, 1996.
65. Richmond J, Berman BM, Docherty JP, Goldstein LB, Kaplan G, Keil JE, Krippner S, Lyne S, Mosteller F, O'Connor BB, Rudy EB, Schatzberg AF, Benson H, Blanchard EB, Bradley LA, **Buysse DJ**, Crawford HJ, Dement WC, Fields HL. Integration of behavioral and relaxation approaches into the treatment of chronic pain and insomnia. Journal of the American Medical Association. 276(4):313-8, 1996. doi: 10.1001/jama.276.4.313.
66. Reynolds CF, Frank E, Houck PR, Mazumdar S, Dew MA, Cornes C, **Buysse DJ**, Begley A, Kupfer DJ: Which remitted elderly depressed patients remain well with continued interpersonal psychotherapy after discontinuation of antidepressant medication? American Journal of Psychiatry, 154:958-962, 1997.
67. *Perlis ML, Giles DE, **Buysse DJ**, Tu X, Kupfer DJ: Self-reported sleep disturbance as a prodromal symptom in recurrent depression. Journal of Affective Disorders, 42(2-3):209-12, 1997.
68. **Buysse DJ**, Frank E, Lowe KK, Cherry CR, Kupfer DJ: Electroencephalographic sleep correlates of episode and vulnerability to recurrence in depression. Biological Psychiatry, 41(4):406-18, 1997.
69. Monk TH, **Buysse DJ**, Reynolds CF, Berga SL, Jarrett DB, Begley AE, Kupfer DJ: Circadian rhythms in human performance and mood under constant conditions. Journal of Sleep Research, 6(1):9-18, 1997.

70. Hoch CC, Dew MA, Reynolds CF, **Buysse DJ**, Nowell P, Monk TH, Mazumdar S, Borland MD, Miewald J, Kupfer DJ: Longitudinal changes in diary- and laboratory-based sleep measures in health “old old” and “young old” subjects: A three-year follow-up. Sleep, 20(3):192-202, 1997.
71. *McDermott OD, Prigerson HG, Reynolds CF, Houck PR, Dew MA, Hall M, Mazumdar S, **Buysse DJ**, Hoch CC, Kupfer DJ: Sleep in the wake of complicated grief symptoms: An exploratory study. Biological Psychiatry, 41(6):710-6, 1997.
72. Thase ME, **Buysse DJ**, Frank E, Cherry CR, Cornes CL, Mallinger AG, Kupfer DJ: Which depressed patients will respond to interpersonal psychotherapy? The role of abnormal EEG sleep profiles. American Journal of Psychiatry, 154(4):502-9, 1997.
73. Thase ME, Kupfer DJ, Fasiczka AJ, **Buysse DJ**, Simons AD, Frank E: Identifying an abnormal electroencephalographic sleep profile to characterize major depressive disorder. Biological Psychiatry, 41(9):964-73, 1997.
74. Reynolds CF, **Buysse DJ**, Brunner DP, Begley A, Dew MA, Hoch CC, Hall M, Houck PR, Mazumdar S, Perel JM, Kupfer D: Maintenance nortriptyline effects on EEG sleep in elderly with recurrent major depression: double-blind, placebo- and plasma-level-controlled evaluation. Biological Psychiatry, 42(7):560-7, 1997.
75. **Buysse DJ**, Reynolds CF, Kupfer DJ, Thorpy MJ, Bixler E, Kales A, Manfredi R, Vgontzas A, Stepanski E, Roth T, Hauri P, Stapf D: Effects of diagnosis on treatment recommendations in chronic insomnia-a report from the APA/NIMH DSM-IV field trial. Sleep, 20(7):542-52, 1997.
76. *Nowell, PD, **Buysse DJ**, Reynolds CF, Hauri PJ, Roth T, Stepanski EJ, Thorpy MJ, Bixler E, Kales A, Manfredi RL, Vgontzas AN, Stapf DM, Houck PR, Kupfer DJ: Clinical Factors Contributing To The Differential Diagnosis Of Primary Insomnia And Insomnia Related To Another Mental Disorder. American Journal of Psychiatry, 154(10):1412-6, 1997.
77. *Perlis ML, Giles DE, **Buysse DJ**, Thase ME, Tu X, Kupfer DJ: Which depressive symptoms are related to which sleep EEG variables? Biological Psychiatry, 42(10):904-13, 1997.
78. Dew MA, Reynolds CF, Houck PR, Hall M, **Buysse DJ**, Frank E, Kupfer DJ: Temporal profiles of the course of depression during treatment: predictors of pathways toward recovery in the elderly. Archives of General Psychiatry, 54(11):1016-24, 1997.
79. Vasko RC, Brunner DP, Monahan JP, Doman J, Boston JR, El-Jaroudi A, Miewald J, **Buysse DJ**, Reynolds CF, Kupfer DJ: Power spectral analysis of EEG in a multiple-bedroom, multiple-polygraph sleep laboratory. International Journal of Medical Informatics, 46(3):174-4, 1997.
80. **Buysse DJ**, Reynolds CF, Houck PR, Perel JM, Frank E, Begley AE, Mazumdar S, Kupfer DJ: Does lorazepam impair the antidepressant response to nortriptyline and psychotherapy? Journal of Clinical Psychiatry, 58(10):426-32, 1997.
81. Monk TH, **Buysse DJ**, Billy BD, Kennedy KS, Kupfer DJ: The effects on human sleep and circadian rhythms of 17 days of continuous bedrest in the absence of daylight. Sleep, 20(10):858-64, 1997.
82. *Nowell PD, Mazumdar S, **Buysse DJ**, Dew MA, Reynolds CF, Kupfer DJ: Benzodiazepines and zolpidem for chronic insomnia: A meta-analysis of treatment efficacy. Journal of the American Medical Association, 278(24):2170-77, 1997.
83. Hall M, **Buysse DJ**, Dew MA, Prigerson HG, Kupfer DJ, Reynolds CF: Intrusive thoughts and avoidance behaviors are associated with sleep disturbances in bereavement-related depression. Depression and Anxiety, 6(3):106-12, 1997.

84. *Carrier J, Monk TH, **Buysse DJ**, Kupfer DJ: Sleep and morningness-eveningness in the "middle" years of life (20y-59y). Journal of Sleep Research, 6(4):230-7, 1997.
85. Kaufer DI, Reynolds CF, Ketchel P, Hall F, **Buysse DJ**, DeKosky ST: Circadian sleep disturbances in normal elderly, Alzheimer's patients, and their caregivers. Journal of the American Geriatric Society, 46:S11, 1998.
86. Hall M, Baum A, **Buysse DJ**, Prigerson HG, Kupfer DJ, Reynolds CF: Sleep as a mediator of the stress-immune relationship. Psychosomatic Medicine, 60(1):48-51, 1998.
87. Nofzinger EA, Mintun MA, Price J, Meltzer CC, Townsend D, **Buysse DJ**, Reynolds CF, Datchile M, Matzzie J, Kupfer DJ, Moore RY: A method for the assessment of the functional neuroanatomy of human sleep using FDG PET. Brain Research Protocols, 2(3):191-8, 1998.
88. Monk TH, **Buysse DJ**, Billy BD, Kennedy KS, Willrich LM: Sleep and circadian rhythms in four orbiting astronauts. Journal of Biological Rhythms, 13(3):188-201, 1998.
89. **Buysse DJ**, Hall M, Tu XM, Land S, Houch PR, Cherry CR, Kupfer DJ, Frank E: Latent structure of EEG sleep variables in depressed and control subjects: Descriptions and clinical correlates. Psychiatry Research, 79(2):105-22, 1998.
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PROFESSIONAL ACTIVITIES

Medical Student Teaching (past five years):

Lecture Title	Course/Program	Date
Sleep and Circadian Rhythm Disorders; Neurobiology of Circadian Rhythms and Sleep-Wake States	Neuroscience	2005-2017
Basics of Polysomnography (PSG)	Medical Student Summer Seminar	2014
Sleep in Medical Education	Psychiatry Special Interest Group Seminar	4/12/17

Psychiatry Residency Training Program (past five years):

Title	Course/Program	Date
Pharmacologic treatments for sleep disorders	Advanced Psychopharmacology Course (PGY III)	2009-2019
Insomnia: Assessment tools and pharmacological treatment	Pharmacotherapy Course	2009-2014
Pharmacologic and Behavioral Treatments for Insomnia (PGY-III)	Sleep Disorders Course	2015-2018
Brief Behavioral Treatment for Insomnia Workshop	House Staff Lunch	3/30/2017
Sleep in older adults	Integrated Geriatrics Fellowship Lecture Series	2017-2018
Sleep Disorders	Benedum Geriatric PGY III Lecture Series	2017-2018

Other Medical School Teaching (past five years):

Title	Course/Program	Date	Department
Sleep Medicine Seminar	ACGME Sleep Medicine Fellowship Didactic Conference	2005-2014	Medicine
Insomnia; Hypnotic Medication; Circadian Rhythm Sleep Disorders	ACGME Sleep Medicine Fellowship Didactic Conference	2007-2017	Medicine

Sleep disorders in late life	Integrated Geriatrics Fellowship Lecture Series	2013-2017	Medicine, Psychiatry
Sleep, fatigue, and medical training: Fact, fiction, and future	Plastic Surgery Grand Rounds	1/7/2015	Department of Plastic Surgery
Sleep, fatigue, and medical training: Fact, fiction and future	Multidisciplinary Sleep Medicine Conference	1/22/2015	Medicine, Psychiatry
Circadian rhythms and sleep: (Not nearly) everything you need to know	Anatomy and Physiology Course	10/26/2015 10/12/2016 10/16/2017 10/24/2018	School of Pharmacy
Can we sleep our way to better health?	Multidisciplinary Sleep Medicine Conference	5/18/2017	Medicine, Psychiatry
Pharmacologic treatment of insomnia	Alt Sleep Grand Rounds	12/6/2018	Medicine

Continuing Medical Education and Industry-Sponsored Symposia (past five years):

Title	Course/Program	Date	Location
Insomnia therapeutics in a broader context: The sleep health perspective.	Merck Insomnia Global Therapeutic Expert Forum	10/14/2014	Philadelphia, PA
Sleep disorders: What every psychiatrist should know	Nevada Psychiatric Association: 20 th Annual Psychopharmacology Update	2/14/2015	Las Vegas, NV
Implementing Insomnia Guidelines	AASM Sleep Medicine Trends 2018	2/25/2018	Austin, TX
Can We Sleep Our Way to Better Health?	Arkansas Sleep Medicine 2018	3/9/2018	Little Rock, AR

Other Lectures, Talks, and Scientific Symposia (past five years):

Title	Program/Meeting	Date	Location
Grant writing	American Academy of Sleep Medicine Young Investigator Research Forum	2011-2016	Bethesda, MD
Insomnia: What is it? Why should we care?	Georgia Association of Sleep Professionals	4/26/2014	Atlanta, GA
Insomnia: Why does it matter? What can you do about it?	Georgia Association of Sleep Professionals	4/27/2014	Atlanta, GA
Insomnia Workshop: Behavioral aspects of medication treatment	Center for Psychiatric and Chemical Dependency Services	4/29/2014	Pittsburgh, PA
Tailoring sleep medications for individual patients	Sleep 2014	6/2/2014	Minneapolis, MN

Insomnia treatment: Can pathophysiology inform our choices?	Helmut S. Schmidt, MD Memorial Keynote Symposium	10/11/2014	Columbus, OH
Sleep: The forgotten pillar of health	Osher Life Long Learning Lecture	2/17/2015	Pittsburgh, PA
Plenary Lecture: From Sleep to Sleep Health to Health	American Psychosomatic Society 73 rd Annual Scientific Meeting	3/20/2015	Savannah, GA
Insomnia Track	SRS NIH Workshop on Implementation of Sleep and Circadian Science	6/6/2015	Seattle, WA
Development of Patient-Reported Outcomes	Sleep Research Society Trainee Symposium, Sleep 2015	6/7/2015	Seattle, WA
Where in the brain is insomnia? How in the world should we treat it?	Sleep 2015 Keynote Lecture	6/8/2015	Seattle, WA
Where in the brain is insomnia? How in the World should we treat it?	Provost Inaugural Lecture	6/30/2015	Pittsburgh, PA
Insomnia and aging: Risks for brain health and new treatment approaches	NIA/AGS/Hartford Foundation Sleep and Aging Conference	10/4-6/2015	North Bethesda, MD
Where in the brain is insomnia? How in the world should be treat it?	Brown University Sleep Research Interest Group Seminar Series	2/9/2016	Providence, RI
Insomnia: From the brain to the clinic	Harvard Clinical Sleep Grand Rounds	2/11/2016	Cambridge, MA
Can We Sleep Our Way to Better Health?	University of Pittsburgh Winter Academy	2/17/2016 2/19/2017	Palm Beach, FL Naples, FL
Insufficient sleep gets old fast (discussant)	American Psychosomatic Society Meeting	3/12/2016	Denver, CO
Sleep Health	Infection, Immunity, Brain and Cognition	4/22/2016	Pittsburgh, PA
Where in the brain is insomnia? How in the world should we treat it?	Ohio State Department of Psychiatry Grand Rounds	5/11/2016	Columbus, OH
Where in the brain is insomnia? How in the world should we treat it?	Hillman Cancer Center: Brain, Behavior, and Cancer Lecture series	5/18/2016	Pittsburgh, PA
Grant writing	Sleep Research Society Trainee Symposium	6/12/2016	Denver, CO
Insomnia in the 21 st Century	State of the Art for Clinical Practitioners (course), Sleep 2016	6/15/2016	Denver, CO
Is the time ripe for quantitative	Symposium discussant, Sleep	6/15/2016	Denver, CO

measures in the management of insomnia?	2016		
Sleep (and Circadian) Health	Sleep and Health Management Symposium, Japanese Society of Sleep Research	7/8/2016	Tokyo, Japan
Sleep and depression: Past, present and future	International Sleep Symposium, Japanese Society of Sleep Research	7/9/2016	Tokyo, Japan
Pragmatic Trials Workshop	2 nd Annual Cardiovascular Epidemiology Conference	4/3/2017	Pittsburgh, PA
Sleep and sleep disorders in older adults	Update on Aging	4/4/2017	Pittsburgh, PA
Overview of the Biology of Sleep and Circadian Rhythms	National Adolescent Sleep, Health, and School Start Times Conference	4/27/2017	Bethesda, MD
Can we sleep our way to better health?	Keynote lecture, Pennsylvania Sleep Society Meeting	5/6/2017	Harrisburg, PA
Can we sleep our way to better health?	Health Services Research Seminar University of Pittsburgh Institute for Clinical Research Education	5/11/2017	Pittsburgh, PA
Can we sleep our way to better health?	University of Alabama Birmingham 28 th Annual Vascular Biology and Hypertension Symposium	5/16/2017	Birmingham, AL
Patient-reported outcomes in sleep medicine	Sleep Research Society Trainee Symposium, Sleep 2017	6/2/2017	Boston, MA
Sleep Deprivation and Health	Symposium moderator, Academy of Behavioral Medicine Research Annual Meeting	6/23/2017	Santa Fe, NM
Can we sleep our way to better health?	Transdiagnostic Interventions in Chronic Disease Symposium, Academy of Behavioral Medicine Research Annual Meeting	6/24/2017	Santa Fe, NM
Sleep in mental disorders	National Alliance for Mental Illness chapter meeting	6/28/2017	Pittsburgh, PA
Can we sleep our way to better health?	Pennsylvania Society for Respiratory Care	9/15/2017	Pittsburgh, PA
Pragmatic trials (workshop)	Sleep Research Network Annual Meeting	9/25/2017	Bethesda, MD
Cognitive-behavioral treatment for insomnia in older adults: Effects on sleep, brain and body	Novel Treatments for Age-related sleep disruption (symposium) World Sleep Meeting 2017	10/9/2017	Prague, Czech Republic

State of the Science: Treatment of Insomnia	Sleep Research Network PCORI Engagement Meeting	9/26/2017	Bethesda, MD
Primary Care Approaches to Insomnia	Update in Internal Medicine Conference	10/19/2017	To invited attendees
Novel recruitment methods (symposium chair)	Center for Behavioral Health and Smart Technology Recruitment symposium	11/3/2017	Pittsburgh, PA
Insomnia treatment in primary care	Family Practice Residency	12/5/2017	Altoona, PA
Sleep in medical training	Otolaryngology Grand Rounds	12/13/2017	To invited attendees
Behavioral aspects of medication treatment for insomnia	Society of Behavioral Sleep Medicine Webinar	12/13/2017	Internet
Internal scientific review	University of Pittsburgh School of Pharmacy Retreat	1/4/2018	Pittsburgh, PA
Can We Sleep Our Way to Better Health?	NYU Departments of Psychiatry and Population Health	1/18/2018	New York, NY
Can We Sleep Our Way to Better Health?	Moon Area School District	1/22/2018	Moon Township, PA
New insomnia guidelines and your clinical practice	AASM Sleep Medicine Trends 2018	2/25/2018	Austin, TX
Can We Sleep Our Way to Better Health?	University of Arkansas for Medical Sciences	3/8/2018	Little Rock, AR
Can We Sleep Our Way to Better Health?	Southern Sleep Society 40 th Annual Meeting	3/24/2018	Hilton Head, SC
Can We Sleep Our Way to Better Health?	Promoting Good Sleep for a Healthier U	3/27/2018	Pittsburgh, PA
Can We Sleep Our Way to Better Health?	University of Pittsburgh Office of Alumni Relations, Health Sciences	4/12/2018	Cleveland, OH
Can We Sleep Our Way to Better Health?	US Navy Behavioral Medicine – University of Pittsburgh – UPMC	4/17/2018	Pittsburgh, PA
Can We Sleep Our Way to Better Health?	UPMC Altoona Healthy Living Club	4/19/2018	Altoona, PA
Can We Sleep Our Way to Better Health?	WPIC: Meet the PI	4/27/2018	Pittsburgh, PA
Grant writing: Closing thoughts	Sleep 2018 SRS Trainee Symposia Series	6/2/2018	Baltimore, MD
How to write a good manuscript review	Sleep 2018 SRS Trainee Symposia Series	6/2/2018	Baltimore, MD
Patient-Centered Outcomes Research: (1) Patient Centeredness	Sleep 2018 SRS Trainee Symposia Series	6/2/2018	Baltimore, MD
Round Table: Writing “Killer”(or at least dangerous) Specific Aims for Translational Research	University of Pittsburgh 18 th Annual Department of Psychiatry Research Day	6/7/2018	Pittsburgh, PA
Sleep and Circadian Rhythms: A Wide-angle View for Health	NIH workshop The Role of Sleep in Health	6/20/2018	Rockville, MD

Disparities Research	Disparities: Causes and Health Consequences		
How to write a good manuscript review	Responsible Conduct of Research Seminar CTSI	10/10/2018	Pittsburgh, PA
Expanding the Behavioral Sleep Medicine Toolbox	Behavioral Sleep Medicine Symposium	11/15/2018	Pittsburgh, PA
Can We Sleep Our Way to Better Health?	Healthy Lifestyle Summit	12/7/2018	Pittsburgh, PA
Can We Sleep Our Way to Better Health?	Magee Womens Research Institute Work-in-Progress Conference & Seminar Series	1/29/2019	Pittsburgh, PA

CLINICAL AND RESEARCH SUPERVISION

Resident supervision

1990-2000	Individual psychotherapy supervisor for psychiatry residents
1987-1995	Faculty supervisor (as attending psychiatrist), Mood Disorders Module 10th and 11th floor inpatient units
1987-1999	Faculty supervisor, Diagnostic and Evaluation Center
1989-present	Faculty supervisor and preceptor, UPMC Sleep Medicine Center

Undergraduate and Medical Students

Natalie Gibb, Mellon Research Fellowship Program	1990
Kaitlin Browman, Mellon Research Fellowship Program	1991
Kari Sasportas, Mellon Research Fellowship Program	1994
Jordan Karp, Stanley Scholars Program	1994-1995
Dan Haupt, Visiting Medical Student, University of Vermont	1996
Helena Levitt, University of Pittsburgh Medical Student	2002
Yohko Shinozawa, University of Pittsburgh Medical Student	2005
Steven Graham, University of Pittsburgh Medical Student (Scholarly Project)	2008-2010
Mark Youngberg, University of Pittsburgh Medical Student (Scholarly Project)	2008-2010
You Meme Wu, University of Pittsburgh Medical Student (Scholarly Project)	2010-2013
Kevin Collins, University of Pittsburgh Psychology Student (Honors thesis), Secondary Mentor	2013-2014
Anthony Cugini, University of Pittsburgh Engineering Student (Scholarly Project)	2014-2015
Gisela Rosado Delgado, Visiting Medical Student, San Juan Bautista School of Medicine	2014-2015
Lauren Waterman (secondary mentor), University of Pittsburgh Medical Student (Scholarly Project)	2014-2015

Alexandra Fortunato (secondary mentor), Visiting Medical Student, Campbell University, Jerry M. Wallace School of Osteopathic Medicine

2015 and 2017

Resident supervision in UPMC Sleep Medicine Center Elective Rotation (Clinical Supervision)

A. Sinan Baran	1993	David Massey	2012
David Welsh	2000	John Tumeh	2013
Ariel Gildengers	2000	Richard Schenkelberg	2013
David Mamo	2000	Chris Hope	2014
Ariadne Sadziene	2000	Jennifer Prins	2014
Ashraf Helmy	2001	Isabella Soreca	2015
Subhajit Chakravorty	2002	Rami Zanoun	2015
Evelyn Mai	2005	Daniel Fishman	2016
Susan Douglas	2006	Drew Calhoun	2016
Sonia Grehian	2008	Olga Milgrom	2017
Tracy Javaherian	2009	Matthew Conlon	2017
Jody Glance	2009	Jin Chang	2017
Signi Page	2010	Nicole Bates	2018
Phu (Phil) Phan	2010	Shelly Kucherer	2018
Bitu Shaghghi	2011	Gary Ciuffetelli	2018
Ryan Wagoner	2012	Alex Israel	2018

Psychology Interns in UPMC Sleep Medicine Center (Clinical Supervision)

Peter L. Franzen (research mentor)	2003	Sarah Racine	2013
Wendy Troxel	2006	Adriane Soehner (co-mentor)	2013-2014
Theodore Robles	2006	Caroline Oppenheimer	2013-2014
Neil Jones	2006	Patricia Meijun Wong (secondary mentor)	2014-2015
Shirley Wang	2007	Rachel Bachrach	2014
Carissa Low	2007	Amy Byrd	2014-2015
Vicki Clark	2008	Luis Flores	2015
Alison Gilbert	2008	Rachel Salk	2015
Brant Hasler (research mentor)	2008-2009	Isaac Petersen	2015
Benjamin Mullin	2009	Megan Miller	2016
Leslie Brown	2009-2010	Mary Woody	2016-2017
Jay Fournier	2010	Jessica Hamilton	2017
Kyle DeYoung	2010-2011	Vanessa Brown	2017-2018
Rebecca Price	2011	Irene Tung	2018

Kasey Griffin Creswell	2011-2012	Caitlin DuPont	2018
Kate Sowder	2013	Karen Jakubowski	2018

Clinical Sleep Medicine Fellows (Clinical Supervision)

Joan Puglia, M.D.	1990	Ryan Soose, M.D.	2010
Rock Heyman, M.D.	1990	Thomas Rice, M.D.	2011
Maroun Dick, M.D.	1991	Naisadh Brahmabhatt, M.D.	2011
Shobha Asthana, M.D.	1991	Simin Khavandgar, M.D.	2011
Eric A. Nofzinger, M.D.	1992	Caris Fitzgerald, M.D.	2011-2012
Carolyn C. Hoch, Ph.D., R.N.	1993	Deepa Burman, M.D.	2012
Daniel P. Brunner, Ph.D. (visiting fellow)	1994-1995	Christopher Castillo, M.D.	2012
Peter Nowell, M.D.	1995-1998	John Coleman, M.D.	2013
Douglas E. Moul, M.D.	2000-2002	Robert Stansbury, M.D.	2014
Keith Niggemyer, M.D.	2002-2005	Ehab Dayyat, M.D.	2014
Evelyn F. Mai, M.D.	2005-2008	Naveed Hassan, M.D.	2015
Michael Passero, M.D.	2007	Ailia Ali, M.D.	2016
Neeraj Gupta, M.D.	2007	Isabella Soreca, M.D.	2016
Peter Kochopura, M.D.	2008	Julia Herman Barton, M.D.	2017
Jahan Nagshin, M.D.	2009	Amy Schell	2018
Salman Khan, M.D.	2009	Samira Bahagry	2018
Euhan (John) Lee, M.D.	2010		

Post-Doctoral Research Fellows (Research Mentoring and Supervision)

Years	Name, Program	Career Development (K) Award	R Series or Equivalent Research Grant
1992	Eric A. Nofzinger, M.D., Clinical Research Training in Psychiatry fellow (secondary mentor)	Y	Y
1994-1996	Michael Perlis, Ph.D., Clinical Research Training in Psychiatry fellow (primary mentor)	Y	Y
1994-1995	Daniel P. Brunner, Ph.D., Visiting postdoctoral fellow (secondary mentor)	N/A	N/A
1995-1997	Martica Hall, Ph.D., Clinical Research Training in Psychiatry fellow (primary mentor)	Y	Y
1995-1998	Peter Nowell, M.D., Clinical Research Training in Psychiatry fellow (secondary mentor)	N	N
2000-2002	Douglas E. Moul, M.D., Clinical Research Training in Psychiatry fellow (primary mentor)	N	N

2000-2002	Daniel Lewin, Ph.D., Clinical Research Training in Psychiatry fellow (secondary mentor)	Y	Y
2001-2005	Anne Germain, Ph.D., Clinical Research Training in Psychology fellow (primary mentor)	N/A	Y
2002-2005	Keith Niggemyer, M.D., Fellow in Pulmonary, Allergy, and Critical Care Medicine (primary mentor)	N	N
2003-2007	Peter L. Franzen, Ph.D., Clinical Research Training in Psychology fellow (primary mentor)	Y	Y
2005-2009	Michele Okun, Ph.D., Clinical Research Training in Psychology fellow (secondary mentor)	Y	Y
2006-2008	Wendy Troxel, Ph.D., Clinical Research Training in Psychology fellow (primary mentor)	Y	Y
2009-2012	Brant Hasler, Ph.D., Translational Research Training in Sleep Medicine fellow (primary mentor)	Y	Y
2010-2013	Christopher Kline, Ph.D., Translational Research Training in Sleep Medicine fellow (secondary mentor)	Y	N/A
2011-2012	Caris Fitzgerald, M.D., ACGME Sleep Medicine Fellow (primary research mentor)	N	N
2012-2013	Shachi Tyagi, M.D., Institute for Clinical Research Education (secondary mentor)	Y	Y
2012-2017	Heather Gunn, Ph.D., Translational Research Training in Sleep Medicine fellow (primary mentor)	N	N/A
2012-2015	Kristine Wilckens, Ph.D., Clinical Research Training in Geriatric Psychiatry fellow (primary mentor)	Y	Y
2013-2017	Jessica Levenson, Ph.D., Translational Research Training in Sleep Medicine fellow (secondary mentor)	Y	N/A
2013-2016	Daniel B. Kay, Ph.D., Translational Research Training in Sleep Medicine fellow (primary mentor)	N	N/A
2014-2016	Adriane Soehner, Ph.D., Translational Research Training in Sleep Medicine fellow (secondary mentor)	Y	N/A
2017-2018	Rachel Kolko, Ph.D., Translational Research Training in Sleep Medicine fellow (secondary mentor)	N/A	N/A
TOTAL	N=22	13/19 (68%)	11/15 (73%)

Y = Received funding; N = Did not receive funding; N/A = Not eligible or has not yet applied for funding

Other Trainees

Wilfred R. Pigeon, Ph.D., CBSM, University of Rochester (external consultant)	2007
Philip Gehrman, Ph.D., CBSM, University of Pennsylvania (external consultant)	2007
Thomas Rice, M.D., Assistant Professor of Medicine (secondary mentor, KL-2)	2012-2013
Shachi Tyagi, M.D., Assistant Professor of Medicine (secondary research mentor)	2012-present
Isabella Soreca, M.D., Psychiatry Resident/Sleep Medicine Fellow, (secondary research mentor)	2014-2017

Marquis Hawkins, PhD, Visiting Assistant Professor of Epidemiology, Graduate School of Public Health	2017
Lana Chahine, MS, MD, Assistant Professor of Neurology	2018
Champion-Tobi Seun-Fadipe, MBChb, M Sc, FMCPsych, Obafemi Awolowo University Teaching Hospital, Ile-Ife in the State of Osun, Nigeria (visiting faculty)	2018

RESEARCH INVESTIGATORSHIPS**Current Grant Support**

<u>Grant Number</u>	<u>Grant Title</u>	<u>Role in Project</u>	<u>Years Inclusive</u>	<u>Source</u>
UH2/UH3 HL125103-04 (Buysse)	Pragmatic Trial of Behavioral Interventions for Insomnia in Hypertensive Patients	PI	2014-2019	NHLBI \$402,902
T32 HL082610 (Buysse)	Translational Research Training in Sleep Medicine	PI	2007-2022	NHLBI \$311,704
AG047139 (Buysse/Hall)	Sleep Circadian Rhythms, and Cardiometabolic Risk in Retired Shift Workers (Administrative Supplement)	MPI	2015-2020	NIA \$392,745
R01 GM113243-05 (Krafty)	Collaborative Research: A Statistical Framework for the Spectral Analysis of Nocturnal Electrophysiological Time Series	Co-I	2018-2021	NIGMS \$5,839
R01 MH105513-04 (Harvey)	A Transdiagnostic Sleep and Circadian Treatment to Improve Community SMI Outcomes	Co-I	2014-2018	NIMH \$19,926
5 R01 HL122460-04 (Troxel)	Neighborhood Change: Impact on Sleep and Obesity-Related Health Disparities	Co-I	2015-2018	NHLBI \$28,282
(Matthews)	Self-management via Health Kiosk by Community-Residing Older Adults	Co-I	2014-2019	AHRQ \$4,671
R01 AG047139-01 (Hall)	Sleep, Circadian Rhythms, and Cardiometabolic Risk in Retired Shift Workers	Co-I	2015-2020	NIA \$490,324
5 U01 HL 128954-03 (Wisniewski)	Network Management Core (NEMO) for the Pulmonary Trials Cooperative (PTC)	Co-I	2015-2020	NHLBI \$7,007
1 R01 AG056331-01 (Wallace)	Sleep Health Profiles and Mortality Risk in Older Adults: A Multi-Cohort Application of Novel Statistical Methods	Co-I	2017-2020	NIA \$245,187
5 UL1 TGR001857-03 (Reis)	University of Pittsburgh Clinical and Translational Science Institute: Hub Research Capacity Component (PCI)	Co-I	2016-2021	NCATS \$59,463
1 R01 HL131587-01A1 (Luyster)	Improving Asthma Control Using Internet-based Cognitive-Behavioral Treatment for Insomnia	Co-I	2017-2021	NHLBI \$49,292
5 R01 AA025626 (Hasler)	Proximal Prospective Associations between Circadian Alignment, Reward Function and Alcohol use in Adolescents	Co-I	2017-2022	NIAAA \$375,904
(Patterson)	Real-Time Intervention to Reduce Fatigue Among Emergency Service Workers	Co-I	2018-2022	NIOSH \$46,596
1 R01 MH118312-01 (Franzen)	Longitudinal Study of Sleep Duration, Reward and Cognitive Control Circuits, and vulnerability for Depressed and Suicidal Ideation During Adolescence	Co-I	2018-2023	NIMH \$496-626

Prior Grant Support

<u>Grant Number</u>	<u>Grant Title</u>	<u>Role in Project</u>	<u>Years Inclusive</u>	<u>Source</u>
R01 MH47200	DSM-IV Field Trial for Diagnostic Reliability in Insomnia Disorder	PI	1990-1991	NIMH/MacArthur \$37,500
881107	Social Zeitgebers and Biological Rhythms: A Unified Approach to Understanding the origins of Depression	Co-I	1988-1992	MacArthur Foundation \$1,910,944
R01 MH37869	EEG Sleep, Aging and Mental Illness	Co-I	1990-1993	NIMH \$1,031,110
P01 AG06836 (Monk/Buysse)	Circadian Rhythms in the "Old Old" Competing Supplement	Co-I	1991-1993	NIA \$89,253
R29 MH48891	Sleep-Mood Relationships and Partial Sleep Deprivation	PI	1992-1996	NIMH \$280,000
NASA 9-18404	Human Sleep, Circadian Rhythms and Performance in Space	Co-I	1990-1997	NASA \$1,293,084
R01 MH49115	Maintenance Psychotherapy in Recurrent Depression	Co-I	1992-1997	NIMH \$2,275,078
DANA Foundation Grant	Serotonin Transporter Dysregulation in Depression	Co-I	1996-1998	DANA Foundation \$90,900
P30 MH30915	MHIRC for the Study of Affective Disorders (Core Co-Director, Psychobiology Core)	Co-I	1995-2000	NIMH \$9,720,250
R37 MH24652	EEG Sleep Studies in Relation to Affective Illness	Co-I	1996-2001	NIMH \$2,172,330
R01 AG15136 (Monk)	Siesta Naps in Older People	Co-I	1998-2001	NIA \$463,096
NAG 9-1036	Sleeping Short	Co-I	1998-2001	NASA \$464,226
CPM5633	Paroxetine in the Acute and Maintenance Treatment of Chronic Insomnia	Co-I	1998-2002	SmithKline Beecham \$250,000
R01 AG15138	Circadian Patterns of Sleep Tendency in the Elderly	PI	1998-2002	NIA \$725,234
P30 MH30915 (Kupfer)	MHIRC for Mood and Anxiety Disorders Principal Investigator, Treatment Indications and Optimization Core	Co-I	2001-2005	NIMH \$7,955,565
P30 MH30915 (Kupfer)	MHIRC for Mood and Anxiety Disorders-Treatment Development and Applications Core	Co-I	2001-2005	NIMH \$7,955,565
R01 AG13396	Phase Shift Tolerance in Older People	Co-I	1996-2006	NIA \$1,263,798
K24 AG00972	Rational Pharmacotherapy of Primary	PI	2000-2006	\$467,934

Insomnia

R01 AG19362	Sleep During Perimenopause in a Multi-Ethnic Cohort	Co-I	2002-2006	NIA \$1,344,634
M01 RR000056	GCRC-Clinical Neuroscience Research Center (Associate Director)	Co-I	2004-2006	NCRR \$4,208,573
M01 RR000056	GCRC-Sleep & Circadian Rhythms Core Laboratory (Director)	PI	2004-2006	NCRR \$1,979,792
R01 MH24652	Psychobiology and Treatment Response in Primary Insomnia	PI	2001-2007	NIMH \$1,827,977
P01 AG20677	Aging Well, Sleeping Efficiently Principal Investigator, Core B and Project 3	PI	2003-2008	NIA \$6,397,992
R01 HL076379	Stress, Sleep and Emerging CVD Risk Factors	Co-I	2004-2008	NHLBI
Takeda	Ramelteon as a Countermeasure to the Induction of Insomnia by Forced Circadian Desynchrony	Co-I	2007-2008	Takeda
U01 AR052155	PROMIS: Psychiatric Symptoms and Social Functioning: IRT and DIF Project 2	PI	2004-2009	NIH \$1,408,615
R24 HL076852	Pittsburgh Mind-Body Center-II, Core D	Co-I	2004-2009	NIH
U01 AR052155	PROMIS: Psychiatric Symptoms and Social Functioning: IRT and DIF	Co-I	2004-2009	NIH
R01 AG019362	SWAN Sleep Study II: Pittsburgh	Co-I	2006-2009	NIA
R01 MH061566	Sleep Neuroscience in Depression	Co-I	2005-2010	NIMH
R34 MH080696	Treatment of Comorbid Insomnia in Military Veterans	Co-I	2008-2011	NIMH \$612,901
U01 AR052155	Validation and domain development in mental health and sleep-wake function	Co-I	2009-2011	NIAMS
R01 AG013396	Phase Shift Tolerance in Older People (Phase IV)	Co-I	2007-2012	NIA
R21 AT004429	Acupuncture for the Treatment of Insomnia: Pilot Study	Co-I	2009-2012	NIH \$684,545
R34 MH080958	The Development of a Cognitive Behavioral Sleep Intervention for Bipolar Disorder	Co-I	2009-2012	NIMH
R01 MH024652	Testing a Neurobiological Model of Primary Insomnia	PI	2007-2013	NIMH
R01 MH078961	2/3-Improving Depression Outcome by Adding CBT for Insomnia to Antidepressants	PI	2008-2013	NIMH \$1,269,217
R01 HL096492	Biomarkers of the response to CBT for insomnia in major depression	Co-I	2009-2013	NHLBI \$259,654

R01 HL096492	Electrophysiologic and Genetic Predictors of Response to CBT for Insomnia in Major Depression	Co-I	2009-2013	NHLBI
P01 AG20677-10 (Buysse)	Aging Well, Sleeping Efficiently Core B	PI	2010-2015	NIA \$216,222
P01 AG20677-10 (Buysse)	Aging Well, Sleeping Efficiently Project 1	PI	2010-2015	NIA \$221,407
P01 AG20677-10 (Buysse)	Aging Well, Sleeping Efficiently Project 3	PI	2010-2015	NIA \$191,276
P01 AG20677-10 (Buysse)	Aging Well, Sleeping Efficiently Core A	PI	2010-2015	NIA \$155,804
R01 HL112646	Security and Vigilance in Military Couples: A Dynamic Model of Sleep, Interpersonal Relationships, and Health	Co-I	2011-2015	NHLBI \$1,339,053
UL1 TR000005-09 (Reis)	University of Pittsburgh Clinical and Translational Science Institute (Administrative Core)	Core Director	2011-2015	NCRR \$5,591
UL1 TR000005-09 (Reis)	University of Pittsburgh Clinical and Translational Science Institute (NCTRC)	Core PI	2011-2015	NCRR \$248,655
R01 DA033064-04 (Franzen)	Behavioral and Neural Consequences of Sleep Loss on Adolescent Affective Function	Co-I	2011-2015	NIDA \$218,525
UL1 TR000005-09 (Reis)	University of Pittsburgh Clinical and Translational Science Institute (NCTRC)	Core Director	2011-2015	NCRR \$248,655
(Buysse)	SRSF Sleep Research Network	PI	2014-2015	SRSF \$7,000
(Hall)	Quantifying the Diagnostic and Therapeutic Utility of Wrist Actigraphy in Insomnia	Co-I	2014-2015	ASMF \$92,466
R01 CA107408	Long Term Trajectory of Cognitive Function Related to Anastrozole Use in Women	Co-I	2011-2016	NCI \$35,082
R21 MH102412-01 (Buysse)	Dimensional Sleep Disturbance in Relation to Positive/Negative Affect Systems	PI	2014-2016	NIMH \$150,000
(Buysse)	ASMF Sleep Research Network	PI	2014-2016	ASMF \$23,148
R21MH102412	Sleep Disturbance in Relation to Positive and Negative Affect	PI	2014-2016	NIMH
UL1 TR000005-09 (Reis)	University of Pittsburgh Clinical and Translational Science Institute (Administrative Core)	Interim Director	2015-2016	NCRR \$5,591
P01 AG20677-10 (PI: Buysse)	Aging Well, Sleeping Efficiently (Administration Core, Clinical Assessment Core, Project 1, Project 3)	PI	6/1/2010-1/31/2017	NIA

(Stone)	Impact of Sleep Health on Quality of Life, Functioning, and Healthcare Utilization in the Elderly	Consultant	2016-2017	Merck \$12,650
R01 GM113243-04	Collaborative Research: A Statistical Framework for the Spectral Analysis of Nocturnal Electrophysiological Time Series	Co-I	2014-2017	NIGMS \$5,839
5 R21 AG050892-02 (Tyagi)	Impact of Sleep on Chronobiology of Micturation	Co-I	2016-2018	NIA \$11,526

OTHER RESEARCH RELATED ACTIVITIES

<u>Deputy Editor</u>	<i>SLEEP</i>	2008-2018
	<i>Journal of Clinical Sleep Medicine</i>	2003-2015
<u>Associate Editor</u>	<i>Behavioral Sleep Medicine</i>	2009-2015
	<i>SLEEP</i>	2003-2008
<u>Editorial Board</u>	<i>Sleep and Hypnosis</i>	1999-2012
	<i>Sleep Medicine Reviews</i>	2002-2016

LIST OF CURRENT RESEARCH INTERESTS

1. Evaluation, neurobiology, and treatment of insomnia
 2. Multidimensional sleep health
 3. Sleep and circadian rhythms in aging
 4. Sleep and circadian rhythms in depression
 5. Self-report measures of sleep
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SERVICE

University and Medical School

1. 1989-present Reviewer for Department of Psychiatry Research Committee
2. 1989-2000 WPIC Resident Selection Committee
3. 1991 University of Pittsburgh Curriculum Revision Task Force, Goals and Integration Task Force; member of subcommittee on clinical skills/The Doctor, The Patient and Society
4. 1991-1997 Reviewer for Department of Psychiatry Mental Health Clinical Research Center Seed Money Review Committee

5. 1997-1998 Reviewer, University of Pittsburgh School of Medicine Competitive Medical Research Fund.
6. 1997-2006 General Clinical Research Center Advisory Committee
7. 1999-2006 Clinical Neuroscience Research Center Scientific Advisory Committee
8. 1999-2002 Medical School Admissions Committee (Interviewer)
9. 1999-2005 Department of Psychiatry Academic Promotions Committee
10. 2000-2003 Clinical Research Steering Committee, School of Medicine
11. 2000-2003 Non-Tenured Faculty Promotions and Appointments, School of Medicine
12. 2002 Member, LCME Self-Study Group, School of Medicine
13. 2003-2004 Chair, Patient-Doctor Relationship Task Force, University of Pittsburgh School of Medicine Curriculum Committee
14. 2006-2009 Scholarly Project Executive Committee (SPEC)
15. 2006-2010 Neuroscience Clinical and Translational Research Center Scientific Advisory Committee
16. 2008-2010 Department of Psychiatry K Award Review Committee
17. 2011-present Department of Psychiatry K Award Review Committee Chair
18. 2014-present Department of Psychiatry K Review Program Chair
19. 2015-present Department of Psychiatry Research Review Committee Chair
20. 2015-2016 Office of Academic Computing Advisory Committee

National/International Organizations

1. 1991-1994 DSM-IV Work Group on Sleep Disorders, American Psychiatric Association
2. 1992-1997 Chairman, Nosology Committee, American Sleep Disorders Association
3. 1992 American Sleep Disorders Standards of Practice Committee, task force on Polysomnography in Insomnia
4. 1996 Primary Care Task Force, Education Committee, American Sleep Disorders Association
5. 1997-1998 Program Committee, Associated Professional Sleep Societies Annual Meeting
6. 1998-2003 Board of Directors, American Academy of Sleep Medicine
7. 1999-2002 Joint Operations Committee, American Academy of Sleep Medicine and Sleep Research Society
8. 2000-2001 President, American Academy of Sleep Medicine
9. 2001-2003 National Sleep Disorders Research Plan Revision Task Force

10. 2003-2004 International Classification of Sleep Disorders Second Edition Task Force, American Academy of Sleep Medicine
11. 2003-2006 Program Committee, Associated Professional Sleep Societies Annual Meeting
12. 2003-2008 Associate Editor, *SLEEP*
13. 2003-2015 Associate Editor, *Behavioral Sleep Medicine*
14. 2005-2012 American Board of Medical Specialties (ABMS) Sleep Medicine Test and Policy Committee
15. 2005-2015 Deputy Editor, *Journal of Clinical Sleep Medicine*
16. 2006-2009 American Academy of Sleep Medicine Insomnia Guideline Task Force
17. 2007-2012 American Psychiatric Association DSM-V Advisor
18. 2008-2018 Deputy Editor, *SLEEP*
19. 2010-2014 Sleep Research Society NIH Liaison Group
20. 2010-2014 Board of Directors, Society of Behavioral Sleep Medicine
21. 2012-2013 Strategic Planning Committee, American Academy of Sleep Medicine
22. 2014 Chair, Journal *SLEEP* Editor Search Committee, Associated Professional Sleep Societies
23. 2014 Sleep Research Society Strategic Planning Committee
24. 2012-2017 American Academy of Sleep Medicine Pharmacologic Treatment of Adult Insomnia Task Force
25. 2013-2014 American Academy of Sleep Medicine Insomnia Quality Metrics Workgroup
26. 2014-2016 American Academy of Sleep Medicine Consensus Conference on Optimal Sleep Duration in Adults (Invited participant)
27. 2013-2013 AGS/NIA/Hartford R-13 Bench to Bedside Conference on Aging and Sleep (Conference Program Committee)
28. 2013-present Sleep Research Network Steering Committee
29. 2014-2016 Sleep Research Network Steering Committee Chair
30. 2016-2017 National Highway Traffic and Safety Administration/National Association of State EMS Officials. Member, Expert Panel for the Development of Fatigue Risk Management Guidelines in EMS

NIH Study Sections

1. 1998-2000 NIA Human Development and Aging Study Section 2
*SRS/NIH Implementation Workshop
2. 1999 Reviewer, Mind-Body Center RFA issued by the Office of Behavioral and Social Science Research. ZRG1-RPHB3-02

3. 1999 Reviewer, NIA Special Emphasis Panel ZRG1 BBBP-5. SBIR study section
4. 2002 Reviewer, NHLBI Special Emphasis Panel RFA HL-01-006. Sleep and Sleep Disorders in Children (February 20, 2002)
5. 2002 Ad hoc reviewer, NCCAC Study Section. ZAT1 K 03 1 (March 11, 2002)
6. 2002 Reviewer, NHLBI Special Emphasis Panel HL-01-009. Interrelationship Between Sleep and Heart, Lung and Blood Disease (May 23, 2002)
7. 2003 Reviewer, NHLBI Special Emphasis Panel HL-02-013. SCOR in Neurobiology of Sleep and Sleep Apnea in Airway Biology and Pathogenesis of Cystic Fibrosis (March 6-7, 2003)
8. 2005 Reviewer, NIH Review Committee NOT-OD-04-041. NIH Policy on Sharing of Model Organisms for Biomedical Research (August 9, 2005)
9. 2006 NIH Center for Scientific Review Special Emphasis Panel ZRG1 BBBP-D 50 R, Innovations in BCST, Psychopathology and Sleep Disorders (July 25, 2006)
10. 2006 NIH Center for Scientific Review Special Emphasis Panel ZRG1 RPHB-A 90 M, Sleep and Chronic Disease (July 26, 2006)
11. 2007 NIH MESH (Mechanisms of Emotion, Stress and Health) Scientific Review Study Section (Ad hoc reviewer) (June 25-26, 2007)
12. 2007 NIH Center for Scientific Review Special Emphasis Panel ZRG1 F12A-D 20 L, Cognition, Language and Perception Fellowship Study Section (July 20, 2007)
13. 2007 NHLBI Special Emphasis Panel ZHL1-CSR-O-F2, Short Term Research Education Program (R25) (October 22, 2007)
14. 2008-2012 NIH MESH (Mechanisms of Emotion, Stress and Health) Scientific Review Study Section (member)
15. 2009-2011 NIH MESH (Mechanisms of Emotion, Stress and Health) Scientific Review Study Section (Chair)
16. 2012 NIMH Research Domain Criteria (RDoc) Workgroup, Arousal and Modulatory Systems Domain (member)
17. 2012 NHLBI Special Emphasis Panel, Research Dissemination and Implementation Review meeting ZHL1 CSR-K (O1) (August 6, 2012)
18. 2013 NHLBI Special Emphasis Panel, Research Dissemination and Implementation Review meeting ZHL1 CSR-K (O1) (August 26, 2013)
19. 2014 NIH CSR BBBP Initial Review Group Scoring Reliability Project (reviewer)
20. 2015 SRS NIH Workshop Implementation of Sleep and Circadian Science (Lead: Insomnia Track) (June 6, 2015)
21. 2015 NHLBI Special Emphasis Panel, Research Dissemination and Implementation Review meeting
22. 2015 NIH/Center for Scientific Review Video Conference, ZRG1 BBBP-Y 03 (November 18, 2015)
23. 2016 Reviewer, NIH CTSA (NCATS) Special Emphasis Panel meeting (September 22-23, 2016)

24. 2017 Reviewer, NIH CTSA meeting 2017/05 ZTR1 CI-8(01) 1 – CTSA (February 15-16, 2017)
25. 2018 Reviewer, NHLBI Single-Site Investigator-Initiated Clinical Trials (R61/33), ZHL1-CSR-G (M1), (March 13, 2018)

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TABLE OF CONTENTS

	<u>Page</u>
Biographical Information	1
Education and Training	1
Appointments and Positions	2
Certification and Licensure Specialty Certification	3
Medical and Other Professional Licensure	4
Memberships in Professional and Scientific Societies.....	4
Honors	4
Publications	
Refereed Articles:	5
Reviews, Invited Published Papers, Proceedings of Conference & Symposia, Monographs, Books & Book Chapters:.....	30
Professional Activities	
Medical Student Teaching	38
Psychiatry Residency Training Program	38
Other Medical School Teaching	39
Continuing Medical Education and Industry-Sponsored Symposia.....	39
Other Lectures, Talks, and Scientific Symposia	39
Clinical and Research Supervision	
Resident Supervision	42
Undergraduate and Medical Students	43
Resident Supervision in Sleep Evaluation Center (SEC) Elective Rotation.....	43
Psychology Interns in UPMC Sleep Medicine Center	44
Clinical Sleep Medicine Fellows	44
Post-Doctoral Research Fellows	45
Other Trainees.....	46
Research Mentor.....	46
Research Investigatorships	
Current Grant Support	47
Prior Grant Support	48
Other Research Related Activities	51
Current Research Interests	51
Service	
University and Medical School	51
National/International Organizations	52
NIH Study Sections	53