

CURRICULUM VITAE

NAME: Fred W. Turek

EDUCATION: Michigan State University BS in Biology and
East Lansing, Michigan Teaching Certificate
Stanford University Ph.D. in Biological
Stanford, California Sciences (Advisor: Colin S. Pittendrigh)

PRESENT POSITIONS:

Director, Center for Sleep and Circadian Biology
Charles E. and Emma H. Morrison Professor of
Biology Department of Neurobiology at Northwestern
University 2205 Tech Drive, Evanston, IL 60208-3520

Consultant, Circadian Expert Services
Circadian Phone: 781 439-6325
Circadian E-mail: expert@circadian.com

PROFESSIONAL EXPERIENCE:

1995-Present *Director*, Center for Sleep and Circadian Biology
1984-Present *Professor*, Department of Neurobiology and Physiology, Northwestern University, Evanston, IL
1987-1998 *Chairman*, Department of Neurobiology and Physiology, Northwestern University, Evanston, IL
1998-1999 *Visiting Professor*, Department of Psychiatry, Université Libre de Bruxelles, Brussels, Belgium
1991-1992 *Visiting Professor*, Department of Psychiatry and Center for Experiments on Rhythms Biological
(CERB), Université Libre de Bruxelles, Brussels, Belgium
1986-1987 *Visiting Professor*, Université Libre de Bruxelles, Institute of Interdisciplinary Research and
Laboratory of Neuropathology and Neuropeptides Research, Brussels, Belgium
1984-1986 *Professor/Associate Chairman*, Department of Neurobiology and Physiology, Northwestern
University, Evanston, IL
1981-1984 *Associate Professor*, Department of Neurobiology and Physiology, Northwestern University,
Evanston, IL
1/1/81-3/31/81 *Visiting Scientist*, Department of Zoology (with Dr. Brian K. Follett), University of Bristol, Bristol,
England
1980-1981 *Associate Professor*, Department of Biological Sciences, Northwestern University, Evanston, IL
1975-1980 *Assistant Professor*, Department of Biological Sciences, Northwestern University, Evanston, IL
1/1/79-3/31/79 *Visiting Assistant Professor*, Department of Anatomy, UCLA School of Medicine (with Dr. Roger
Gorski), Los Angeles, CA
1973-1975 *Postdoctoral Fellow*, Department of Zoology, University of Texas (Advisors: Michael Menaker and
Claude Desjardins)
1969-1970 *Teaching Assistant*, Stanford University, Stanford, CA

OTHER APPOINTMENTS AT NORTHWESTERN UNIVERSITY

2021-Present *Chair*, Northwestern University Faculty Senate Research Affairs Committee
2019-Present *Member*, Northwestern University Faculty Senate
2014-Present *Member*, Limited Submission Advisory Committee
2014-Present *Member*, Center for Sleep and Circadian Medicine
2012-Present *Member*, Bench Research Integration, Women's Health Research Institute
2012-Present *Member*, Leadership Council, Women's Health Research Institute
2012-Present *Academic Partner*, Women's Health Research Institute
2007-2015 *Member*, Northwestern Comprehensive Center on Obesity (Feinberg School of Medicine)
2003-Present *Professor*, Department of Psychology

2002-Present *Affiliate Faculty, Cognitive Neurology and Alzheimer's Disease Center*
 2002-Present *Member, Center for Genetic Medicine (Feinberg School of Medicine)*
 2002-Present *Member, Center for Functional Genomics*
 1998-Present *Professor, Department of Psychiatry & Behavioral Sciences (Feinberg School of Medicine)*
 1997-Present *Faculty, Transportation Center (McCormick School of Engineering)*
 1993-2014 *Member, Buhler Center on Aging (Feinberg School of Medicine)*
 1992-Present *Member, Lurie Cancer Center (Feinberg School of Medicine)*
 1991-Present *Professor, Department of Neurology (Feinberg School of Medicine)*
 1986-Present *Member, Center for Reproductive Sciences (Feinberg School of Medicine)*

HONORS AND AWARDS (last twenty years):

- Distinguished Service Award, Society for Research on Biological Rhythms, 2008
- Pioneer Award, Institute for Women's Health Research, Feinberg School of Medicine, Northwestern University, 2008
- Annual Heart Research Center Lecture at the University of Oregon Health Science Center, 2009
- Inaugural Margaret Prine Joy Lectureship in Reproductive Sciences, Magee-Women's Research Day in Reproductive Biology and Women's Health, Magee-Women's Research Institute, 2010
- Distinguished Scientist Award, Sleep Research Society, 2011
- Distinguished Service Award, Sleep Research Society Government Relations Committee, 2011
- Inaugural Gregory Belenky Distinguished Lectureship Award, Sleep and Performance Research Center, Washington State University, September 2015
- David J. Kupfer Lecture Featured Speaker, Center for Sleep and Circadian Science Research Day, University of Pittsburgh, November 9, 2017
- Presidential Lecture, Okinawa Institute of Science and Technology Graduate University, September 17, 2019
- American Society for Gravitational and Space Research President's Plenary Lecture, Denver, CO, November 20, 2019
- Front Range Neuroscience Group Meeting Keynote Speaker, Fort Collins, CO, December 11, 2019
- Directors' Award for Research and Service, Society for Research on Biological Rhythms, Amelia Island, Florida, May 18, 2022

SCIENTIFIC COMMITTEES / PANELS / BOARD OF DIRECTORS (last twenty years):

- Universities Space Research Association, Board of Trustees (2001-2007)
 - Member of Board of Trustees Membership Committee (2001-2006)
 - Member of Board of Trustees Program Committee (2001-2006)
 - Member of Board of Trustees Compensation Committee (2002-2007)
 - Chair of Board of Trustees Compensation Committee (2006-2007)
- NIH National Center on Sleep Disorder Research Workshop on "Bioinformatics Neuroscience and Sleep Research", Chair of Session on "Biological Rhythms and Sleep". (07/01)
- NIH National Center on Sleep Disorder Research Workshop on "Neurobiology of Sleep and Working: Implications for Insomnia", Moderator of the session on "Neurobiology of Sleep Generation Maintenance and Arousal", (09/01)
- NIH/NHLBI Strategic Planning Committee, Circadian-Coupled Cellular Function, and Disease in Heart, Lung and Blood Tissues, (9/07)
- NIMH Workshop Participant "Neurobiological Basis of Circadian Rhythms: Interaction with Complex Behaviors", Role of Clock and Sleep Genes in Neurobehavioral and Metabolic Disorders, (July 2008)
- Morehouse School of Medicine Scientific Advisory Committee, Member (2008-Present)
- Sleep Research Society Government Relations Committee, Chair (2009-2011)
- Sleep Research Society NIH Liaison Group, Member (2010-2011)
- Sleep Research Society Congressional Liaison Group, Member (2010-2011)

- NIDDK Workshop Participant “Dysregulation of sleep and circadian rhythms: Role in obesity and metabolic disorders,” *Circadian Rhythms & Metabolic Disease* (April 2010).
- NIA Workshop “Circadian Clocks and Their Role in Aging: Molecular Mechanisms,” (2010)
- Sleep Research Society Board of Directors (2011-Present)
- Sleep Research Society Board of Directors Liaison to SRS Government Relations Committee (2011-Present)
- NIH Obesity Research Task Force Seminar, “Rapid Evolution of Our Understanding of Circadian Rhythms/Clocks and Their Role in Obesity and Metabolic Disorders” (September 2011)
- NIEHS Light at Night Workshop, Expert Panel Committee (2014-2016)
- Society for Research on Biological Rhythms, Governmental Affairs Committee (2016-Present)
- Nature’s Bounty, Scientific Advisory Board (2017-Present)
- NSF (National Sleep Foundation), Member, Sleep Timing and Variability Consensus Panel (2018-Present)

EDITORIAL BOARDS:

1979-1982 American Journal of Physiology — Endocrine and Metabolic Physiology Section
 1980-1986 Biology of Reproduction
 1982-1992 American Journal of Physiology-Regulatory, Integrative and Comparative Physiology Section
 1983-1990 Proceedings for the Society for Experimental Biology and Medicine
 2002-Present Deputy Editor, *Sleep Journal*
 2019-Present *Current Sleep Medicine Reports*

EDITOR-IN-CHIEF:

1995-2000 *Journal of Biological Rhythms*

EDITED BOOKS:

1999 Turek FW and Zee PC, Eds. Regulation of Sleep and Circadian Rhythms, Vol 133: *Lung Biology in Health and Disease* series. Marcel Dekker, Inc. 724 pages.
 2001 Takahashi JS, Turek FW, and Moore RY, Eds. Handbook of Behavioral Neurobiology, Vol. 12: *Circadian Clocks*. Kluwer Academic/Plenum Publishers, New York. 770 pages.

BOOK SECTION EDITOR:

2000 Section 4 - Chronobiology: sleep and the circadian clock. In: *Principles and Practices of Sleep Medicine*, Third Edition, (MH Kryger, T Roth and WC Dement, eds.). WB Saunders, New York pp 319
 2000 Section 8 – Disorders of Chronobiology. In: *Principles and Practices of Sleep Medicine*, Third Edition, (MH Kryger, T Roth and WC Dement, eds.). WB Saunders, New York pp 589
 2005 Section 4 - Chronobiology. In *Principles and Practices of Sleep Medicine*, Fourth Edition, (MH Kryger, T Roth and WC Dement, eds.). WB Saunders, New York, pp 318-443
 2005 Section 8 – Disorders of Chronobiology. In *Principles and Practices of Sleep Medicine*, Fourth Edition, (MH Kryger, T Roth and WC Dement, eds.). WB Saunders, New York, pp 657-701
 2008 Section: Animal Circadian Rhythms, Human Circadian Rhythms and Seasonal Rhythms. *The New Encyclopedia of Neuroscience*. (Larry Squire, Senior Ed., Nick Spitzer, Senior Ed. and FW Turek, Assoc. Ed.). Elsevier
 2010 Section 3 – Genetics of Sleep. In: *Principles and Practices of Sleep Medicine*, Fifth Edition, (MH Kryger, T Roth and WC Dement, eds.). Elsevier
 2010 Section 5 – Chronobiology. In: *Principles and Practices of Sleep Medicine*, Fifth Edition, (MH Kryger, T Roth and WC Dement, eds.). Elsevier
 2016 Section 3 – Genetics of Sleep. In: *Principles and Practices of Sleep Medicine*, Sixth Edition, (MH Kryger, T Roth and WC Dement, eds.). Elsevier
 2016 Section 5 – Chronobiology. In: *Principles and Practices of Sleep Medicine*, Sixth Edition, (MH Kryger, T Roth and WC Dement, eds.). Elsevier

2017

Circadian Rhythms Disorders. In: *Current Sleep Medicine Reports*. (Benca R, ed.) Springer.

SOCIETY MEMBERSHIPS:

- American Association for the Advancement of Science
- Society for the Study of Reproduction
- American Physiological Society
- The Endocrine Society
- Society for Neuroscience
- Society for Research on Biological Rhythms
- Collegium Internationale Neuro-Psychopharmacologicum
- Sleep Research Society
- American Society for Gravitational and Space Research

SOCIETY OFFICES:

1987-1992 Founding and First President, Society for Research on Biological Rhythms
2011-2014 Board of Directors, Sleep Research Society

PATENTS:

- Clock Gene and Gene Product (NU 97050)
Coinventors Joseph S. Takahashi, Fred W. Turek, and Lawrence H. Pinto
U.S. Patent No. 6,057,125 May 2, 2000
U.S. Patent No. 6,291,429 September 18, 2001
- Clock Gene and Gene Product (NU 97008)
Coinventors Joseph S. Takahashi, Fred W. Turek, and Lawrence H. Pinto
U.S. Patent No. 5,874,241 February 23, 1999
- Analysis of Muscular Activity in Neonatal Animals to Screen for Mutations and/or Drugs that Alter Sleep and Wake States (NU 99072)
Coinventors Fred W. Turek and Christine Dugovic
U.S. Patent No. 6,477,408 November 5, 2002

FOUNDING SCIENTIST:

2000 SloWave Inc.
2004 NuNetix, Inc.

OTHER APPOINTMENTS AT NORTHWESTERN UNIVERSITY (last twenty years):

2002-Present *Affiliate Faculty, Cognitive Neurology, and Alzheimer's Disease Center*
2002-Present *Member, Center for Genetic Medicine (Feinberg School of Medicine)*
2002-Present *Member, Center for Functional Genomics*
2003-Present *Professor, Department of Psychology*
2007-2015 *Member, Northwestern Comprehensive Center on Obesity (Feinberg School of Medicine)*
2012-Present *Academic Partner, Women's Health Research Institute*
2012-Present *Member, Leadership Council, Women's Health Research Institute*
2012-Present *Member, Bench Research Integration, Women's Health Research Institute*
2014-Present *Member, Center for Sleep and Circadian Medicine*
2014-Present *Member, Limited Submission Advisory Committee*
2019-Present *Member, Northwestern University Faculty Senate*
2021-Present *Chair, Northwestern University Faculty Senate Research Affairs Committee*