


CURRICULUM VITAE

NAME: Nachum Dafny, Ph.D.
PRESENT TITLE: Professor
ADDRESS: 
CITIZENSHIP: United States Naturalized Citizen

UNDERGRADUATE EDUCATION:

1953-1959: Army
1959-1963: Bachelor of Science - B.Sc. (Major in Zoology, Minor in Chemistry and Parasitology), Hebrew University, Jerusalem, Israel

GRADUATE EDUCATION:

1963-1965: Master of Science - M.Sc. (Major in Zoology, Physiology), Hadassah Medical School, Hebrew University, Jerusalem, Israel
1965-1969: Doctor of Philosophy - Ph.D. (Physiology), Hadassah Medical School, Neurology Department, Hebrew University, Jerusalem, Israel

POSTGRADUATE TRAINING:

1969-1970: Research Fellow, California Institute of Technology (Cal-Tech), Department of Physiology, Biology Division
1970: Research Fellow, Brain Research Institute, Department of Anatomy, UCLA, Los Angeles, California
1971-1972: Special Fellow, College of Physicians and Surgeons, Columbia University, Department of Neurology, Parkinson's Disease Research Center, New York, NY

ACADEMIC APPOINTMENTS:

1972-1975: Assistant Professor in Neurostructure and Function, The University of Texas Medical School at Houston, Houston, TX
1973-present: Faculty member in The University of Texas Graduate School of Biomedical Sciences (GSBS) at Houston, Texas Medical Center
1973-1980: Course Director, Medical Neuroscience, The University of Texas Medical School at Houston, Houston, TX

- 1975-1978: Associate Professor with Tenure in Neurobiology, and Anatomy, The University of Texas Medical School at Houston, Houston, TX
- 1978-present: Professor of Neurobiology and Anatomy, The University of Texas Medical School at Houston, Houston, TX
- 1995-present: Course Director, Medical Neuroscience, The University of Texas Medical School at Houston, Houston, TX

PROFESSIONAL ORGANIZATIONS (AND COMMITTEES):

American Association of Anatomists
American Physiological Society
American Society for Pharmacology and Experimental Therapeutics
The New York Academy of Sciences
International Society of Neuroendocrinology
International Society of Neuroimmunomodulation
Society for Experimental Biology and Medicine, USA
Society for Neuroscience

HONORS AND AWARDS:

- 1965-1967 Predoctoral scholarships, Hebrew University, Jerusalem, Israel
- 1967-1968 Fellowship, Hadassah Medical School, Jerusalem, Israel
- 1969-1970 NSF Fellowship, California Institute of Technology (Cal-Tech), Pasadena, California
- 1970 Ford Foundation Fellow
- 1970-1971 NIH Postdoctoral Fellow, USPHS Grants NS05184 and 1-F02-NS47569-01
- 1971-1972 NIH Special Fellow, USPHS Grants NS47569
- 1975 American Men and Women in Science
- 1978 The Basic Sciences Teaching Award
- 1979 The Basic Sciences Teaching Award
- 1979 Fogarty International Senior Fellowships
- 1980-1981 Visiting Professor, Hadassah Medical School, Neurology Department, The Hebrew University of Jerusalem
- 1980-1981 Visiting Professor, Tel Aviv University Sackler School of Medicine, Department of Anatomy and Anthropology
- 1978-79, 1981-82 Teaching Award in Neuroscience
- 1983 Best First-Year Teaching Award
- 1984 The Basic Sciences Teaching Award--For Excellence in Teaching
- 1985 Personalities of The South Award
- 1985 Best Teaching in Neuroscience Award

1986	The Basic Sciences Teaching Award
1987	Best Teaching Award in Neuroscience
1987	Dean's List of Teaching Excellence (Graduate School)
1988	Dean's List of Teaching Excellence (Medical School)
1988	The Basic Sciences Teaching Award
1989	The Basic Sciences Teaching Award
1989	President List of Teaching Excellence
1990	Best Teacher in Neuroscience
1992	Teaching Award in Neuroanatomy - Neurology Residence – Osler Institute
1992	Outstanding Teaching in Neuroscience
1993	Best Teacher in Neurosciences
1995	GSBS Dean's Excellence Awards
1996	Best Teacher in Neurosciences
1997	Outstanding Faculty Award
1997	Dean's Teaching Excellence Award
1998	Dean's Teaching Excellence Award
1999	Dean's Teaching Excellence Award
2000	Dean's Teaching Excellence Award
2001	Dean's Teaching Excellence Award
2002	Dean's Teaching Excellence Award
2003	Dean's Teaching Excellence Award
2003	Best Course Director
2004	Dean's Teaching Excellence Award
2005	Dean's Master Teaching Award
2005	Nominated for John P. McGovern Award for outstanding teaching
2003-2005	Nominated for Presidential's Scholar Award for Teaching
2004-2005	Best Course Director
2006	Dean's Teaching Excellence Award
2005-2006	Best Course Director
2006	Visiting Proffesor Universidad Autonmica De Guadalajara Mexico
2007	Dean's Teaching Excellence Award
2007	Best Organized Course Director
2008	Best Organized Course Director
2008	Visiting Proffesor American Carribbean University San Mararten
2009	Best Organized Course Director
2010	Dean's Teaching Excellence Award
2010	Best Organized Course Director

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

National Science Foundation (Ad hoc)
March of Dimes (Ad hoc)
Veteran's Administration (Ad hoc)
Louisiana Education Quality Support Funds (Ad hoc)

International Science Foundation
John Sealy Memorial Endowment Fund for Biomedical Research
Swiss Federal Institute of Technology Zurich
Italian National Academy of Science
NIH Study Section
University of Puerto Rico

SERVICE ON UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON
COMMITTEES:

1972-1977	Neuroscience Curriculum Committee, GSBS
1976-1979	Membership Committee, GSBS
1978-1980	Academic Standards Committee, GSBS
1979-1991	Human Values and Health, UTHSC
1987-1991	Scientific Review Committee, UTHSC
1992-1995	Intrafaculty Council Committee
1992-1995	Faculty Status, Rights & Responsibilities Committee, UTHSC
1992-1995	Governance and Academic Affairs
1998-2006	Senator Intrafaculty Council Committee (IFC)
1998-2006	Faculty Status, Rights and Responsibility Sub-Committee
1998-Present	Academic Standards Committee GSBS
1999-Present	IFC Representative to Student Intercouncil (SIC)
2001-2006	Human Resource Advisory Committee
2001-Present	Educational Computer Services Committee
2005-Present	Senate
2007	Senate Committee to evaluate the RVU (Chair)

SERVICE ON UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON COMMITTEES:

1972-1977	Neuroscience Curriculum Committee Coordinator and Director of Neuroscience Teaching Program (Neuroanatomy, Neurophysiology, Neuropharmacology, Neuroendocrinology, Neurology, Neuropathology, Neurosensory Sciences, and Anesthesiology)
1973	Ad-hoc Committee to evaluate the need for an Anatomy Department.
1973-1976	Animal Care Committee
1973-1976	Neuroscience Course Director
1974	Search Committee for Faculty Appointments
1974-1975	Coordinator and Director of Neuroscience Seminars
1974-1978	Coordinator and Director, Weekly Interdepartmental and Interinstitutional Research Seminars
1974-1977	Curriculum Committee
1974-1977	Quarter Coordinator, Third Quarter
1975	Search Committee for Three Faculty

1976-1979	General Research Support Committee,
1977	Search Committee for Two Faculty
1977	Subcommittee for the Organization and Administration of the Medical School for the Task Force Committee
1977-1978	Educational Policy Committee
1977-1980	Faculty Appointments, Promotions and Tenure Committee
1977-1980	Coordinator, Teaching, Neurobiology and Anatomy
1978-1980	Neuroanatomy and Neuroscience Course Director
1981-1982	Ad Hoc Committee for Internal Review of the Department of Psychiatry and Behavioral Sciences
1982-Present	Faculty Advisor to Hillel Medical Center
1982-Present	Ad Hoc Committee for Full Professors Promotion and Tenure
1982-Present	Interviewer of Medical School candidates
1983	Search Committee for Four Faculty
1983-1986	Student Evaluations and Promotions Committee
1988	Committee on Committees
1991-1995	Senator, Medical School Senate
1991	Student Advisor to Five Medical Students
1992	Ad Hoc Committee to Examine Holiday and Vacation Policies
1992	Student Advisor to Five Medical Students
1993	Senate Subcommittee on Academic Scholarship
1993	Student Advisor to Four Medical Students
1994	Student Advisor to Four Medical Students
1994-Present	Facilitator in problem-based learning (PBL)
1994-Present	Course Director, Neuroscience
1994-Present	Curriculum Committee
1995-1998	Student Advisor to Four Medical Students
1995-Present	Master Advisor to 8 Medical Students
1996-Present	WWW Committee
1997-1999	PBL-The Neural Working Group Committee
1998-Present	Faculty Advisor to the Student Neurological Association
1998-Present	ECS Committee
2000	Faculty Representative Richmond College London, U.K. July 2000
2002-Present	Integrated Neuroscience/Clinical Neurology Subcommittee
2005-Present	Team Learning Committee
2006-Present	Medical School Senate
2007	Promotion and Tenure Sub-Committee
2008	Curriculum Committee
2011	Task Force to Review Student Evaluation

SERVICE TO THE COMMUNITY:

1. Advisor to the Hillel Medical Center Student Group
2. Coordinate Monthly Faculty Study Group
3. Member and Head of Adult Enrichment Committee of Congregation Brith Shalom

4. Religious Practice Committee Member of Congregation Brith Shalom
5. Board Member Congregation Brith Shalom
6. Member and Head of Adult Education of the Bureau of Jewish Education of the Jewish Federation of Houston
7. Board Member of the Bureau of Jewish Education of the Jewish Federation of Houston
8. Executive Committee Member of the Bureau of Jewish Education of the Jewish Federation of Houston
9. Steering Committee of Organizing the Celebration of Israel 50 year Independent Day in Houston
10. President and Founder of the Hebrew Speaking Professional Organization
11. Vice President Congregation Brith Shalom
12. Meals on Wheels Volunteer

SPONSORSHIP OF CANDIDATES FOR GRADUATE DEGREE:

Serving on 33 committees for Master's and Doctoral degrees

Joseph Sarne / M.S. thesis, 1969, Hebrew University Medical School, Jerusalem, Effect of cortisol on hypothalamic islands.

Henry Wachtendorf / M.S. thesis, GSBS, 1973-1974, Morphine effects on sensory-evoked potentials

Larry Gonzales / Ph.D. dissertation, University of Houston, 1973-1975, Cocaine effect on limbic system.

Robert McClung / M.S. thesis, 1974-1975, Electrophysiological properties of the pineal body.

Cathy Schanzer / M.S. thesis, GSBS, 1975-1977, Gut hormones control appetite

Robert McClung / Ph.D. dissertation, 1975-1978, Evoked field potentials and single-unit recordings from naive and morphine-dependent rats

Eve Andersen / Ph.D. dissertation, GSBS, 1979-1982, An ascending serotonergic pain modulation system

William McVaugh / Ph.D. thesis, Interlukin mechanism 1987-1990

Carolyn Preston / M.D., Ph.D. thesis, Pain suppression mechanism 1988-1990

Patrick Dougherty / Ph.D. dissertation, Immune modulation GSBS, 1984-1988,

Anna Skogh / M.Sc. dissertation, Pain Modulation 1991-1992

John H. Casada / M.D., Ph.D., thesis, Mechanism of aggression 1986-1992

Oswaldo Gayton / M.D., Ph.D., Psychostimulant and behavior 1993-1999

Pamela Yang / MPH thesis, Methylphenidate and pain 1997

Amini Behrang/ M.D., Ph.D., thesis, Psychostimulant circuitry 2000

Pamela B. Yang/ Ph.D., Ritalin modulate behavior and evoked potentials
1999-2005

Tylithia L. Burks/ M.Sc., Methylphenidate modulate SHR activity 2004-2005

Kristal D. Atkins/ M.Sc., Ecstasy alter brain activity 2004-2007

Sumreen Ahmed/ M.Sc., Methylphenidate alter evoked potentials 2006-2007

Ming Lee/ M.Sc., Prefrontal cortex lesion alter Ritalin effects 2007-2008

Sheshali Wanchoo/ M.Sc., Nucleus accumbence lesion alter methylphenidate
properties 2008-2010

Caleb Robinson / Ph.D., 2011

Cathy Claussen / M. Sc., 2011

Zach Jones / M.Sc., 2012

SUMMER UNDERGRADUATE PERCEPTORSHIPS 1981-2006 = 45 STUDENTS

Molly Ross, 2007

Adam Rodet, 2007

Mohamed Alghim, 2007

Shamsidean Ojelande, 2007

Sheshali Wanchoo, 2008-2009

Daniel M. Hayes, 2008

Joseph Alcon, 2008

Offer Shuval, 2009

Blake Sonne, 2009

Cathy Claussen, 2010

Lindsey Witte, 2011

SPONSOR FOR LABORATORY PRECEPTORSHIPS (Medical Students):

James Hollenberg, 1971, College of Physicians and Surgeons of Columbia University, New York

Jeffry Philips, 1971, College of Physicians and Surgeons of Columbia University, New York

William Edwards, 1973

Gary Peet, 1974

Eldad Vered, 1980

Mark Zelinski, 1982

Steven Haber, 1983

Charles Harper, 1983

Jeffrey Pearl, 1985

Quinten Collard, 1986

Kyle Henderson, 1986

Joe R. Lee, 1986

Albert Shaw, 1987

Lute Oas, 1989

Linda Law, 1989

Anna Liza Camungol, 1991

George Manlongat, 1991

James Stanford, 1991

Dipak Ghelani, 1994

Steve Martin, 1994

Brian Patterson, 1995

Amini Behrang, 1999

Lakshmi Kanagarajah, 2004

Pierce Paul, 2004

Kalil George, 2004

Lindsey King, 2005

Nilika Shah, 2005

Bergheim Marianne, 2006

Glaser Anderson, 2006

Kochel Stacy, 2006

Cameron Roberts, 2006

Victor Wilcox, 2006

Lindsey King, 2006
Allison Bego, 2007
Alonso Carrasco, 2007
Celsea Cone, 2007
Gillian Greshowak, 2007
Ann Nguyen, 2007
Cristina Wallace, 2007
Alic Tung, 2008
Figuerva Javier, 2008
Victor Wilcox, 2008
Kayyal Simon, 2008
Derly Cuellar, 2009
Cathleen Jones, 2009
Lee Min, 2009
Alic Tang, 2009
Amit Bhakta, 2010
Maryann Abanobi, 2010
Thomas Ming, 2010
Benjamin Aertker, 2010
Blake Sonne, 2011
Ming Thomas, 2011

SPONSOR FOR TUTORIAL LABORATORY (Graduate Students):

Robert McClung, GSBS, 1973
Eileen Kelly, GSBS, 1974
Cathy King, GSBS, 1974
James Marchand, GSBS, 1974
Thyon Rujruekoguhuat, GSBS, 1974
Steven Sands, GSBS, 1976
Eve Andersen, GSBS, 1978
Ricardo Pedro, 1978
Greg N. Fuller, GSBS, 1979
Ennio Chiocca, M.D.-Ph.D. program, 1983
Steve Montgomery, M.D.-Ph.D. program, 1984
Patrick Dougherty, Ph.D. program, 1984
Neli R. Kletzly, 1985
Charles Harper, 1985
John Casada, M.D.-Ph.D. program, 1985-1986
William McVaugh, Ph.D. program, 1987
Linda Hudson-Howard, 1987
Cris Hymel, 1988
Carolyn Preston, M.D.-Ph.D. 1988
Gloria Herrera, D.D.S./Ph.D., 1990
Anna Suogh, 1991-1992

Michael F. Kasschau, 1993
Oswaldo Gaytan, M.D. – Ph.D., 1993-Present
Brian Patterson, 1994
James M. Bjork, 1995
Sara Al-Rahim, 1995
Christopher Lewis, 1996 - 1997
Pamela Yang, 1997
Rajkumar Alagugurusamy, 1997
Robert Nasou, 1997
Allison Kissane, 1997
Shan Shripad, 1998
Kerry Ackerman, 1998
Anitra Beasley, 1998
Gunjan Modi, 1999
Neal Single, 1999
Amin Behrang, 2000
Jacob Kowenski, 2000
Alison Prince, 2000
Daniel Kagan, 2000
Joseph Cordella, 2001
Sarai Melichar, 2002
Janie Castillo, 2002
Madi Gunjen, 2003
Jastin Krajca, 2003
Elizabeth Pienkos, 2003
Carolina Buradowski, 2004
Eli Baron, 2004
Jonathan Maziqe, 2004
Ted Yamamoto, 2005
Oren Mushin, 2005
Ted Yamamoto, 2006
Ahmed Sumreen, 2006
Lee Min, 2007
Akanksha-Singh, 2008
Jonotan Berrot, 2008
Sheshali Wanchoo, 2008
Sonne Blake, 2009
Samuel Chong, 2010
Cathy Claussen, 2011
Jason Williams, 2011
Zach Jones, 2012

SPONSORSHIP OF MSIV STUDENT ELECTIVE

Erik P. Askenasy, 2005

Nika Shah, 2006
Shelly Kohlleppe, 2007
Victor Wilcox, 2008
Bergheim Marianne, 2008
Alonso Carrasco, 2009
Cathleen Jones, 2009
Min Lee, 2010
Ramchand Preethi, 2011

SPONSORSHIP OF POSTDOCTORAL FELLOWS:

1973-1999 Fifteen Fellows

Sudy Ribeiro, MD, 2000-2002
Rhonda Moore, Ph.D., 2001-2003
Pamela B. Yang, Ph.D., 2005-2006
Mircea I. Chelaru, 2009 - 2010
Bin Tang, 2011- present
Reyes Vasquez Cruz, 2011- present

CURRENT TEACHING RESPONSIBILITIES:

Medical School:	Medical Neuroscience
Medical School:	PBL
Medical School:	Team Learning
Dental School:	Neuroscience
Graduate School of Biomedical Science:	System Neuroscience
Graduate School of Biomedical Science:	Topic in Neuroscience
Graduate School of Biomedical Science:	Neuroscience

PREVIOUS GRANT SUPPORT:

Effects of extrahypothalamic structures on sensory projections to the hypothalamus (Co-P.I.), NIH (4X5108), 1966-1969, \$60,000

Corpus striatum (P.I.), NIDS Special grant (1-F10-NS02552), 1971-1972, \$9,500

Basal Ganglia, NIH (P.I.), NIH (NS05184), 1970-1972, \$25,000

Parkinson's (P.I.), NIH (F02-NS47569), 1972, \$10,000

Eli Lilly Company (P.I.), 1973, \$2,000

General Research Support (P.I.), UTMSH, 1974, \$4,800

Mechanisms of drug addiction (P.I.), NIH, (1-R01-DA-0083), 1974-1978, \$125,000
Training Grant awarded to the UT Sensory Sciences Institute, Rice University and the
Department of Neurobiology and Anatomy; NIH ST32-E407024), 1976-1981

Mechanisms of drug addiction (P.I.), NIH, (1-R01-DA-0083-07), 1984-1986, \$233,116

Neuronal mechanisms of chronic morphine tolerance (P.I.), NIH (1-R01-DA-05075),
1977-1978, \$13,800

Mechanisms of drug addiction (P.I.), NIH (1-R01-DA-00803-04), 1979-1983, \$147,000

Mechanisms of drug addiction (P.I.), NIH (1-R01-DA-00803-07), 1984-1986, \$233,116

Neurobiology of obesity and satiety (P.I.), Fogarty International Center (1-F06-TW00370
for one year), \$28,260

Training Grant awarded to the UTMSH, NIH (ST35-GM07871), 1980-1985

Retinal function during post-natal undernutrition and subsequent rehabilitation (P.I.),
Retina Research Foundation, 1982, \$21,340

Interferon toxicity (P.I.), Immuno Modulators Laboratories, 1983, \$5,650

Retinal function during post-natal development (P.I.), Retina Research Foundation, 1983,
\$1,100

Interferon and opiate withdrawal (P.I.), Biomedical Research Support Grant, 1983-1984,
\$4,995

Alcohol injection in the pituitary suppress pain (P.I.), Brain/Pituitary Foundation, 1983,
\$3,200

Interferon (P.I.), Immuno Modulators Laboratories, 1984, \$14,500

Interferon and opiate withdrawal (P.I.), Biomedical Research Support Grant, 1985-1986,
\$5,340

Methadone and opiate withdrawal (P.I.), Immuno Modulators Laboratories, 1985-1986,
\$12,400

Ascending pain suppression mechanism (Co-P.I.), American Health Services, Inc., 1986-
1988, \$45,000/year

Trans-cranial stimulation reduces the severity of opioid addiction (P.I.) American Health Services Corporation, Inc. (AHSC), 3/1/88 - 10/31/89, \$276,436.

Pain modulation (P.I.) - The Texas Pain & Stress Center, 1989-1990, \$2,740.

Ascending pain modulation (P.I.), BRSG, 1990-1992, \$8,884.

Pain suppression mechanism, The Texas Pain and Stress Center, 1991, \$2,300.

The effects of cytokine on amblyopic animal model, Hermann Eye Center, 1992-1995, \$100,000.

Sensitization and cross-sensitization to Psychostimulant, NIDA 14441, 2002-2005, \$72,444.

Master Teaching, Medical School, 2005, \$15,000.

Master Teaching, Medical School, 2006, \$3,000.

How and where methylphenidate exerts effect in adolescent and adult brains, NIH, R01 DA027222, 2009-2014, \$1,635,485.

AD HOC REVIEWER FOR THE FOLLOWING JOURNALS

1. Experimental Neurology
2. EEG and Clinical Neurophysiology
3. Brain Research
4. Neuropharmacology
5. Life Science
6. Neuroendocrinology
7. Neuroimmunology
8. Brain Res. Bull.
9. Experimental Brain Res.
10. Physiology and Behavior
11. J. of Neuroscience Res.
12. J. of Pharmacol. Exp. Ther.
13. J. Pineal Res.
14. Biological Psychiatry
15. Pain J.
16. Neuroscience Research
17. Behavioral Brain Research
18. NIPS
19. Pharmacology, Biochemistry and Behavior
20. Journal of Neuroscience
21. Neuroscience Letters

PUBLICATIONS:

A. Abstracts:

1. Dafny, N., Bental, E. and Feldman, S.: Single unit activity in the posterior hypothalamus. EEG and Clin. Neurophysiol. 18:303, 1965.
2. Feldman, S. and Dafny, N.: Single cell responses in the anterior hypothalamus to caudate and peripheral stimuli. Proc. Israel Physiol. Pharmacol. Soc. 10, 1965.
3. Dafny, N., Bental, E. and Feldman, S.: Unit activity in the visual cortex during sleep and wakefulness. EEG and Clin. Neurophysiol. 22:588, 1967.
4. Feldman, S. and Dafny, N.: Single cell responses in hypothalamus to caudate and peripheral stimuli. EEG and Clin. Neurophysiol. 22:589, 1967.
5. Feldman, S. and Dafny, N.: Acoustic responses in the hypothalamus. EEG and Clin. Neurophysiol. 25:596, 1968.
6. Dafny, N. and Feldman, S.: Effects of caudate nucleus stimulation and lesions on unit activity in the anterior hypothalamus. EEG and Clin. Neurophysiol. 25:596, 1968.
7. Feldman, S. and Dafny, N.: Pathways involved in caudate nucleus effects on the posterior hypothalamus. EEG and Clin. Neurophysiol. 27:218, 1969.
8. Dafny, N. and Feldman, S.: Effects of extrahypothalamic structures on single cell activity in the posterior hypothalamus. EEG and Clin. Neurophysiol. 27:219, 1969.
9. Feldman, S. and Dafny, N.: Effects of brain lesions on the convergence of sensory stimuli on single cells in the hypothalamus. The Book of Advances of Sciences in Israel p. 110, 1969.
10. Dafny, N. and Feldman, S.: Patterns of responsiveness of single cells in the hypothalamus. The Book of Advances of Sciences in Israel p. 116, 1969.
11. Phillips, M.I. and Dafny, N.: The effect of cortisol on extrahypothalamic neurons. Biology Annual Report, California Institute of Technology, p. 87, 1970.
12. Dafny, N. and Van Harreveld, A.: Electron microscopy on insect ganglia. Biology Annual Report, California Institute of Technology, p. 167, 1970.
13. Van Harreveld, A. and Dafny, N.: The effect of calcium on the impedance of central nervous tissue. Biology Annual Report, California Institute of Technology p. 167, 1970.
14. Phillips, M.I. and Dafny, N.: Effect of a dose range of cortisol on brain unit activity. Fed. Proc. 30:203, 1971.
15. Dafny, N., Phillips, M.I. and Taylor, N.A.: Effects of cortisol on spontaneous single unit activity in anterior (AH) hypothalamus and ventromedial (VMH) hypothalamus of freely behaving rats correlated with plasma steroid levels. Fed. Proc. 30:311, 1971.
16. Taylor, N.A. and Dafny, N.: Effects of ACTH on spontaneous and sensory evoked background (BA) and unit activity (UA) in hypothalamus, reticular formation and hippocampus of freely behaving rats. 25th International Congress of Physiological Science 125:48, 1971.
17. Dafny, N. and Gilman, S.: Effects of L-DOPA and reserpine on evoked responses from basal ganglia of freely behaving rats. Neuroscience 2:129, 1972.
18. Dauth, G., Dafny, N., Marco, L., Glusman, M. and Gilman, S.: Modification of unit activity in hypothalamus and reticular formation by sensory and central stimulation. Neuroscience 2:187, 1972.

19. Dafny, N., Dauth, G. and Gilman, S.: Responses of caudate neurons to extrinsic stimuli. Fed. Proc. 32:365, 1973.
20. Dafny, N.: Nembutal modifies input in the hypothalamus. Proc. Soc. Neurosci. 3:339, 1973.
21. McClung, R., Dafny, N. and Strada, S.J.: Pineal body and hypothalamic evoked responses following acoustic and amygdala stimulation in freely behaving rats. Proc. Soc. Neurosci. 3:365, 1973.
22. Dafny, N., Dauth, G. and Gilman, S.: Effects of monoamine agents on field potentials and unit activity in basal ganglia. Sixth Symposium of Fulton Society in Neurotropic Drugs and Behavior. Inter. J. Neurol. Barcelona, Spain, 1973.
23. Dafny, N.: Spontaneous unit activity in caudate nucleus. Proc. Soc. Neurosci. 4:183, 1974.
24. Dafny, N., Jacob, R.H. and Jacobson, E.D.: Gastrointestinal regulation of appetite. Clin. Res. 23:45A, 1975.
25. Dafny, N., King, C., McClung, R.E. and Jacobson, E.D.: Effects of choleystokinin: Ocapeptide (CCK-OP) on hypothalamic electrical activity. Fed. Proc. 59:441, 1975.
26. McClung, R.E., Dafny, N. and Burks, T.F.: Effects of morphine and naloxone on CNS field potentials in unanesthetized rats. Fed. Proc. 59:786, 1975.
27. Dafny, N.: Modification of behavioral and electrophysiological properties following alteration of catecholamine levels. Sixth International Congress of International Society of Psychoneuroendocrinology, Aspen, Colorado, 1975.
28. McClung, R.E. and Dafny, N.: Single unit recordings from the rat pineal body. Tex. Rep. Biol. Med. 33:340-341, 1975.
29. Peet, G.J., Jacobson, E.D. and Dafny, N.: Gastrointestinal modification of electrical activity in the CNS. Tex. Rep. Biol. Med. 33:341-342, 1975.
30. Dafny, N. and Burks, T.F.: Morphine modification of evoked potentials in extrapyramidal system. Proc. Soc. Neurosci. 5:439, 1975.
31. Wachtendorf, H., Burks, T.F. and Dafny, N.: Haloperidol and morphine effects on evoked responses in caudate nucleus and pineal body. Proc. Soc. Neurosci. 5:440, 1975.
32. Rujirekagulwat, T., Matthews, H.R. and Dafny, N.: Alcohol modified field potentials in basal ganglia correlate with plasma alcohol levels. Proc. Soc. Neurosci. 5:444, 1975.
33. McClung, R.E., Reilly, E.L. and Dafny, N.: Modification on CNS electrical activity by urethane. Tex. Rep. Biol. Med. 34:185, 1976.
34. Schanzer, C.N., Jacobson, E.D. and Dafny, N.: Possible role of prosta- glandins in regulating appetite. Clin. Res. 24:13A, 1976.
35. McClung, R.E., Burks, T.F. and Dafny, N.: Electrophysiological assessment of chronic morphine tolerance in freely behaving rats. Fed. Proc. 35:385, 1976.
36. Burks, T.F. and Dafny, N.: Participation by 5-hydroxytryptamine in morphine affects on evoked responses in hypothalamus and pineal body. Proc. Soc. Neurosci. 6:566, 1976.
37. Dafny, N. and Burks, T.F.: Serotonergic links in responses of caudate nucleus and substantia nigra to morphine. Proc. Soc. Neurosci. 6:566, 1976.
38. Sands, S.F., Salamy, J. and Dafny, N.: Differential effects of morphine on evoked potentials in the rat central grey, reticular formation and lateral geniculate body. Tex. Rep. Biol. Med. 1976.
39. Salamy, J., Sands, S.F. and Dafny, N.: Morphine induced changes in specific CNS

- structures. Tex. Rep. Biol. Med. 1976.
40. Brown, M., Burks, T.F. and Dafny, N.: Cholinergic stimulation alters effect of morphine in the hypothalamus. Tex. Rep. Biol. Med. 1976.
 41. Rigor, B.M., Astrello, J. and Dafny, N.: Dose effect of ketamine on electrophysiological properties of different CNS sites. Tex. Rep. Biol. Med. 1976.
 42. Astrello, J., Rigor, B.M. and Dafny, N.: Ketamine induced changes on sensory evoked potentials. Tex. Rep. Biol. Med. 1976.
 43. Gonzales, L., Altshuler, H.L. and Dafny, N.: Cocaine effects on sensory field potentials in the freely behaving rat. Tex. Rep. Biol. Med. 1976.
 44. Dafny, N.: Reciprocal neurophysiological connection between the hypothalamus and the pineal. Fed. Proc. 61:321, 1977.
 45. Rigor, B.M. and Dafny, N.: Neurophysiological effects of ketamine on sensory field potentials. Fed. Proc. 61:1004, 1977.
 46. Rigor, B.M. and Dafny, N.: Sensory field potentials as a tool to monitor levels of ketamine induced anesthesia. Proc. Soc. Neurosci. 7:301, 1977.
 47. Salmay, J.G., Sands, S. and Dafny, N.: Comparison of morphine action on sensory input recorded in five brain sites. Proc. Soc. Neurosci. 7:132, 1977.
 48. Guttermann, L.R., Rigor, B.M. and Dafny, N.: Differential effects of morphine on acoustic and photic evoked responses recorded from dorsal raphe. Fed. Proc. 37:827, 1978.
 49. Yeoman, R.R., Rigor, B.M. and Dafny, N.: Alteration of 5-hydroxytryptamine modifies morphine effects on sensory evoked potentials recorded from dorsal raphe nucleus. Fed. Proc. 37:827, 1978.
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14. Opiate and catecholamine interaction. Department of Pharmacology, University of Houston, 1977.
15. Neurophysiological studies of hormones and drug interaction in the brain. Department of Psychiatry, University of Houston, 1977.
16. Neurophysiological approaches as a tool for the study of drug effect on the CNS. Houston Pharmacology Society. 1977.
17. Morphine discrimination sensory input recorded from several brain sites. First International Symposium on Drugs as Discriminative Stimuli. Antwerp, Belgium, 1978.
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27. Is the pineal body a gland or a neuromodulator? Neuroscience Center, Baylor College of Medicine. Houston, Texas, 1979.
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40. Demonstration of behavioral and electrophysiological dependence on opiates. The Southwest Science Forum Symposium. Houston, Texas, 1981.
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44. Pineal-brain neuronal connection. Neuroendocrinology LDN, The National Institutes of Health. Bethesda, Maryland, 1982.
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46. Opiate addiction. South African Brain Research Institute. Johannesburg, Australia, 1983.
47. Demonstration of behavioral and neurophysiological effects on addiction to opiates and the possibility of eliminating morphine side effects by interferon. Western Psychiatric Institute and Clinic, University of Pittsburgh. Pittsburgh, Pennsylvania, 1983.
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49. Opiates and the immune system. Division of Immunology, The University of Texas Medical School at Houston, 1985.
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51. Immunological and neurophysiological aspects of opiate addiction. The Marine Biomedical Institute. Galveston, Texas, 1986.
52. Evidence for reciprocal communication between the immune system and the CNS via the opioid system. Department of Pharmacology, University of Houston, 1987.
53. Evidence that opioid systems are involved in reciprocal communication between the immune system and the central nervous system. UCLA Symposium on Neural-Immune Interactions, Lake Tahoe, California, March, 1988.
54. Drug Abuse and the Immune System. 50th Annual Scientific Meeting, The Committee on Problems of Drug Dependence, Inc., North Falmouth, MA, June 28-30, 1988.
55. Pain and the immune system. Recent Achievement in Restorative Neurology. Houston, Texas, October, 1988.
56. The immune system and morphine dependence. 51st Annual Scientific Meeting. The Committee on Problems of Drug Dependence. Keystone, Colorado, June, 1989.
57. Does the brain know what's going on in the immune system? Hadassah Medical School. Department of Physiology, Jerusalem, July, 1989.
58. Interferon effects on the central nervous system. M.D. Anderson Hospital and Tumor Institute - Neuro-Oncology. October 1989.
59. Evidence that the parasciculus thalami is a pain center. Eighth Annual Conference on Biomedical Engineering Research. Houston, February, 1990.
60. Identification of pain centers. University of Houston-Downtown. March, 1990.
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62. Immunosuppressive agent modulates the severity of opiate withdrawal. 52nd Annual Scientific Meeting, The Committee on Problem of Drug Dependence. Richmond, Virginia, June, 1990.

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64. Drug abuse and the immune system - Texas College of Osteopathic Medicine, September 1990.
65. Interferon as a neuromodulator - Louisiana State University of Medicine. Department of Pharmacology, June 1991.
66. Noninvasive subthreshold auricular electrical stimulation reduces severity of precipitated and abrupt opiate withdrawal. 53rd Annual Scientific Meeting, The Committee on Problem of Drug Dependence. Palm Beach Florida, June, 1991.
67. Delta and non-delta opioid receptor mediated antinociception produced by cholecystokinin analogues. 53rd Annual Scientific Meeting, The College on Problem of Drug Dependence, Key Stone, Colorado, June 1992.
68. Animal studies with interferon - The University of Texas M.D. Anderson Cancer Center, November 1992.
69. Pain Mechanism - Hebrew University, Jerusalem, Israel, May 1993.
70. Brain immune communication - Tel Aviv University, Israel, May 1993.
71. Opiate addiction and the immune system - Facultad de Medicina, Universidad National Autonoma de Mexico, Mexico City, Mexico, August 1994.
72. Neurophysiological demonstration of pain modulation centers - Facultad de Medicina, Universidad National Autonoma de Mexico, Mexico City, Mexico, August 1994.
73. Structure and function relationship of the brain limbic system, frontal cortex and memory banks. Symposium on "Drug abuse in the decade of the brain". Houston Texas, September, 1995.
74. Interferon- α modulate neuronal activity MD-Anderson Cancer Center-Neuro-oncology. Houston, Texas, April, 1996.
75. Opiate dependence and the immune system. Department of Psychiatry and Behavioral Sciences. Houston, Texas, January, 1998.
76. Morphine and the immune system. Department of Clinical Pharmacology Baylor College of Medicine. Houston, Texas, October, 1998.
77. Supra-spinal pain modulation centers. King's College, London, U.K. March, 1999.
78. What is new in pain research. Geriatric Inst. Tel-Aviv University. July, 1999.
79. Opioid-immune System Interaction St. Bartholomew Hospital London, U.K. July 2000.
80. Tom Burks as role model in teaching research and administration. XIVth World Congress of Pharmacology, San Francisco, CA, July 2002.
81. Visitor Professor-Teach Medical Neuroscience 27 hrs in the "Programa Internacional de la Facultad de Medicina" Universidad Autonoma De Guadalajara Mexico, August/Sept. 2006.
82. Visitor Professor-Teach 10 lectures in Neurophysiology in the Medical School at the "American Caribbean University", St. Maarten, Sept 2008.