

CURRICULUM VITA

ELLIOTT M. BLASS

Department of Psychology
University of Massachusetts
Amherst, MA.01003
(413)-545-0283
<elliott.blass@gmail.com>

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EDUCATION:

Brooklyn College	1958-1963 B.S.
University of Connecticut	1963-1964 M.S.
University of Virginia	1964-1967 Ph.D.
University of Pennsylvania	1967-1969 Postdoctoral Fellow
Johns Hopkins School of Medicine	1981-1982 Resident in Psychiatry

RESEARCH INTERESTS:

Developmental Psychobiology
Developmental Psychology
Animal Behavior, Motivation and Emotion
Feeding
Obesity

AWARDS AND HONORS:

1982-1983	Fulbright-Hayes Research Professor
1982-1983	John Simon Guggenheim Memorial Fellow
1983	Fellow, American Association for the Advancement of Science
1983	Who's Who in America
1985	National Academy of Science Exchange Fellow, Soviet Union
1985-2002	Research Scientist Awardee, NIMH

CERTIFICATION:

1982	Board Certification in Psychology State of Maryland
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PROFESSIONAL EXPERIENCE:

1966-1967	Predocctoral Fellow, United States Public Health Service
1967-1969	Postdoctoral Fellow, Institute of Neurological Sciences, (Alan N. Epstein), University of Pennsylvania
1969-1975	Assistant Professor, Department of Psychology, Johns Hopkins University
1975-1979	Associate Professor, Department of Psychology, Johns Hopkins University

- 1975-1993 Consulting Editor: *Journal of Comparative and Physiological Psychology*
- 1976-1977 Visiting Professor, Department of Psychology, University of Toronto
- 1977- 2003 Consulting Editor: *Developmental Psychobiology*
- 1978-1979 Associate Professor, Department of Psychiatry, Johns Hopkins Medical Institutions
- 1978-1980 Psychobiology Study Section: National Science Foundation
- 1979 Executive Committee, Division of Behavioral & Neurological Sciences, National Science Foundation
- 1979-1990 Professor, Department of Psychology, Johns Hopkins University
- 1979-1990 Professor, Department of Psychiatry, Johns Hopkins Medical Institutions
- 1979-1990 Consultant in Psychology to John F. Kennedy Institute for Handicapped Children
- 1979-2002 Consulting Editor: *Appetite*
- 1981-1982 Resident in Psychiatry, Johns Hopkins School of Medicine, (Jerome Frank & Paul McHugh, supervisors)
- 1982-1983 Visiting Professor, Department of Oral Biology, Hebrew University, Jerusalem
- 1983 Behavioral and Neural Sciences Study Section, NIMH
- 1985-2003 Consulting Editor: *Infant Behavior and Development*
- 1990-1996 Professor, Department of Psychology, Cornell University
- 1990-1996 Professor, Division of Nutritional Sciences, Cornell University
- 1992-1996 Department of Pediatrics/College of Medicine, SUNY Health Center, Brooklyn
- 1996- Professor, Department of Psychology and Neuroscience University of Massachusetts, Amherst
- 1996- Research Professor, Department of Pediatrics, Boston Medical Center

EDITED TEXTS:

- Blass, E.M. (Ed.) (1976). The Psychobiology of Curt Richter. Baltimore: York Press.
- Blass, E.M. (Ed.) (1986). Handbook of behavioral neurobiology. vol. 8: Developmental psychobiology and developmental neurobiology. New York: Plenum Press.
- Krasnegor, N.A., Blass, E.M., Hofer, M.A., & Smotherman, W. P. (Eds.). (1987) Perinatal development: A psychobiological perspective. New York: Academic Press.
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PUBLICATIONS:**1968**

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Lovelace, E.A., & Blass, E.M. (1968). Utilization of stimulus elements in paired associate learning. Journal of Experimental Psychology, 76, 596-600.

Mook, D.G., & Blass, E.M. (1968). Quinine-aversion thresholds and "finickiness" in hyperphagic rats. Journal of Comparative and Physiological Psychology, 65, 202-207.

1969

Blass, E.M. (1969). Thermoregulatory adjustments in rats after removal of the frontal poles. Journal of Comparative and Physiological Psychology, 69, 83-90.

Blass, E.M., & Rollins, A.R. (1969). The formation of object discriminative learning sets by Mongolian gerbils (*Meriones unguiculatus*). Journal of Comparative and Physiological Psychology, 69, 519-521.

1970

Blass, E.M., & Fitzsimons, J.T. (1970). Additivity of effect and interaction of a cellular and an extracellular stimulus of drinking. Journal of Comparative and Physiological Psychology, 70, 200-205.

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Epstein, A.N., Blass, E.M., Batshaw, M.L., & Parks, A.D. (1970). The vital role of saliva as a mechanical sealant for suckling in the rat. Physiology and Behavior, 5, 1395-1398.

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1971

Blass, E.M. (1971). Effects of frontal-pole-area ablation on temperature regulation in the rat. Journal of Comparative and Physiological Psychology, 74, 233-239.

Blass, E.M., & Chapman, H.W. (1971). An evaluation of the contribution of cholinergic mechanisms to thirst. Physiology and Behavior, 7, 679-686.

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1972

Blass, E.M. (1972). An improved rat metabolism cage. Physiology and Behavior, 9, 681-683.

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Blass, E.M. (1973). Cellular-dehydration thirst: Physiological, neurological, and behavioral correlates. In A.N. Epstein, H.R. Kissileff & E. Stellar (Eds.), The neuropsychology of thirst. Washington, D.C.: H.V. Winston.

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1975

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1976

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1981

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1984

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1985

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Fillion, T.J., & Blass, E.M. (1985). Responsiveness to estrous chemostimuli in male rats (*Rattus norvegicus*) of different ages. Journal of Comparative Psychology, *99*(3), 328-335.

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1986

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Kehoe, P., & Blass, E.M. (1986). Opioid-mediation of separation distress in 10-day-old rats: Reversal of stress with maternal stimuli. Developmental Psychobiology, 19, 385-398.

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1990

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1991

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1992

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1993

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Blass, E. M. (1999). The Ontogeny of Stress and Pain Coping Mechanisms. In: M. Lewis and D. Ramsey (Eds.), Soothing and Stress, Erlbaum and Associates, Hillsdale, N. J.

Blass, E. M. and Watt, L. (1999). Suckling and sucrose-induced analgesia in human newborns. PAIN, 83, 611-623

Gray, L. Watt, L., & Blass, E. M. (1999). Skin-to-skin contact is analgesic in healthy newborns. Pediatrics, 105, : e14

2000

Blass, E. M. & Barr, R. G. (2000). Evolutionary biology and the practice of medicine: the case of management of infant pain experience. Journal of Developmental and Behavioral Pediatrics, 21, 283-284.

2001

Blass, E. M. & Camp., C. A. (2001).The ontogeny of face recognition: Eye contact and sweet taste induce face preference in 9- and 12-week-old human infants. Developmental Psychology,37, 762-774.

2002

Gray, L., Miller, L., W., Phillip, B. L., & Blass, E. M. (2002). Breastfeeding is analgesic in healthy newborns. Pediatrics, 109, 590-593.

Kaufman, G., Cimo, S. Watt, L., W., & Blass, E. M. (2002). An evaluation of the effects of sucrose on neonatal pain with two commonly used circumcision methods. American Journal of Obstetrics and Gynecology. 186, 564-568

Blass, E. M. & Miller, L. W. (2002). Effects of colostrum in newborn humans: dissociation between analgesic and cardiac effects. Journal of Developmental and Behavioral Pediatrics, 22, 385-390..

Blass, E. M. (2002) Ingestion, suckling, and the problem of identity: Using criteria in the classification of ingestive behavior. Physiology and Behavior, 76, 179-180.

2003

Blass, E. M. & Camp, C. A. (2003). Biological bases of face preference in six-week-old infants. Developmental Science, 6, 524-536.

Blass, E.M. (2003). Mammary message: Maternal pheromone elicits suckling in rabbit pups. Nature (News and Views), 424, 25-26.

Fernandez, M., Blass, E. M., Hernandez-Reif, M., Field, T., Diego, M., & Sanders, D, C. (2003). Sucrose attenuates a negative electroencephalographic response to an aversive stimulus in newborns. Developmental and Behavioral Pediatrics, 24, 1-6.

Blass, E.M. & Camp, C. A. (2003). Crying Determinants in 6-12-Week-Old Human Infants. Developmental Psychobiology, 42, 312-316.

Blass, E. M. (2003). Biological and environmental determinants of childhood obesity. Nutritional and Clinical Care.6,13-19.

2006

Blass, E. M. & Camp, C. A (2004). The Ontogeny of Face Identity: I. Eight to 21-week-old Infants Use Internal and External Features in Identity. Cognition, . (In Press)

Blass, EM, et al. On the road to obesity. Television viewing differentially affects intake of high and low density foods. (Physiology and Behavior, In press)

Lumeng et. al. Social influences of milk intake via suckling in human infants. Developmental Psychobiology (In press)

2007

2008

Blass, EM (Ed.) Obesity: Prevention and Treatment. Sinauer Press, Sunderland, MA (JUNE 2008).

MEMBERSHIPS:

American Association for the Advancement of Science
International Society for Developmental Psychobiology
Eastern Psychological Association
Psychonomic Society
Society for Neuroscience
Society for Research in Child Development

INVITED ADDRESSES:

1971 - AAAS Symposium on Thirst
1973 - Nebraska Symposium on Motivation

- 1974 - Neuroscience Society Annual Meeting
 1975 - Conference on Hunger: Basic Mechanisms and Clinical Implications
 1977 - Binghamton Conference on the Ontogeny of Learning and Memory
 1978 - U.S./U.S.S.R. Academy of Science Symposium on Neurophysiological Mechanisms of Goal Directed Behavior and Learning, Irvine, California
 1979 - Seminar on Motivational Processes, University of Iowa
 1980 - American Psychological Association
 1983 - American Psychological Association
 1985 - Eastern Psychological Association
 1985 - NICHD Conference: Psychobiological Aspects Behavioral Development
 1985 - Soviet Academy of Sciences
 1987 - Society for Research in Child Development
 1988 - The International Wallenberg Symposium - Neurobiology of Early Infant Behavior - Stockholm, Sweden
 1988 - N.Y. Academy of Sciences - The Psychobiology of Human Eating Disorders - N.Y., NY
 1988 - Monell Chemical Senses Center - International Conference on Appetite - Philadelphia, PA
 1991 - Wenner-Gren Symposium - Stockholm, Sweden
 1991 - Development, Growth and Senescence in the Chemical Senses - Washington, DC
 1992 - The American Dietetic Association - Washington, DC
 1993 - Social Science Research Council - Stanford, CA
 1994 - Alan N. Epstein Memorial Lecture - University of Pennsylvania
 1995 - Invited Address in memory of Carl Pfaffmann. Association for Chemoreception Sciences - Sarasota, FL
 1995 - Colloquia for James T. Fitzsimons, Evian, France
 1996 - European Research Conference - Barcelona, Spain.
 1998 - International Society for Infant Studies-Atlanta GA
 2001 - Dedication: Chemical Senses Centre, Dijon, France
 2002 - University College, London
 2002 - PAIN Conference Baltimore Md.
 2004 - Pediatric Pain Baltimore Md.
 2006 - Pediatric Pain, Vancouver, CN

GRANT SUPPORT:

- 1 September 1967 - 31 August 1969:
 USPHS Postdoctoral Fellow
 University of Pennsylvania. \$ 20,000
 1 January 1970 - 30 June 1971:
 The neurological bases of thirst.
 USPHS Grant MH 18184. \$ 5,896
 1 June 1971 - 31 May 1974:
 The behavioral and neurological bases of thirst.
 USPHS Grant NS 09305. \$ 60,983
 1 January 1975 - 31 December 1977:

- The ontogeny of rat ingestive behavior.
National Science Foundation Grant
No. 75-01460 \$ 88,000
- 1 May 1975 - 30 April 1978:
The ontogeny of rat ingestive behavior.
USPHS Grant AM 18560. \$ 49,913
- 1 September 1976 - 31 August 1977:
The ontogeny of ingestive behavior.
NIMH Grant MH 05958. \$ 16,200 (fellowship)
- 1 June 1978 - 31 May 1981:
The ontogeny of ingestive behavior.
USPHS Grant AM 18560. \$189,424
- 1 August 1980 - 28 February 1983:
Sensorimotor control over early ingestive behavior.
National Science Foundation Grant
BSN-80-08537. \$ 54,976
- 1 June 1981 - 31 May 1984:
The ontogeny of ingestive behavior.
USPHS Grant AM 18560. \$323,966
- 1 June 1984 - 31 May 1987:
The ontogeny of ingestive behavior.
USPHS Grant AM 18560. \$309,232
- 1 December 1984 - 30 November 1988:
Classical conditioning of human infants at birth.
HD 19278. \$225,435
- 1 January 1985 - 31 December 1989:
Biopsychological development of infant humans and rats.
Research Scientist Award
MH 00524. \$275,000
- 1 June 1987 - 31 May 1990:
The Ontogeny of ingestive behavior.
USPHS Grant DK 18560. \$324,642
- 1 September 1989 - 31 August 1993:
Affective development of human infants.
NIDA Grant DA 05724 \$316,227
- 1 January 1990 - 31 December 1994:
Biopsychological development of infant humans and rats
Research Scientist Award
MH 00524 \$375,000
- 1 April 1991 - 31 March 1994:
Mechanisms underlying maternal calming and analgesia
HD28245 \$337,811
- 30 September 1994 - 31 August 1998:
Developmental psychobiology of affect in human infants
MH 51705 \$332,578
- 1 July 1995 - 30 June 2000:
Biopsychological development of infant humans and rats
Research Scientist Award
MH 00524 \$548,626
- 1 September 1998-31 August 2004

Developmental Psychobiology of affect in human infants.
\$420,000

COURSES TAUGHT:

Developmental Psychobiology (undergraduate)
Developmental Psychobiology (graduate)
Homeostasis and Motivated Behavior
Introductory Psychology
Laboratory Course in Psychobiology
Motivation
Physiological Bases of Motivated Behavior
Psychobiology Area Seminar
Research Seminar in Psychobiology
Sociobiology
Thirst
Obesity (Graduate and Undergraduate)