

CURRICULUM VITAE

Name: Thomas J. Crowley, M.D.

Date and Place of Birth: August 10, 1937  
Minneapolis, Minnesota

Present Position: Professor, Department of Psychiatry  
Director, Division of Substance Dependence  
University of Colorado School of Medicine  
4200 East Ninth Avenue, Box C268-35  
Denver, Colorado 80262

Office Telephone: (303) 315-7573

E-Mail Address: Thomas.Crowley@UCHSC.edu

Citizenship: U.S.A

Education: 1960 B.A./B.S. University of Minnesota, Minneapolis  
1962 M.D. University of Minnesota, Minneapolis  
1962 - 1963 Internship, Charity Hospital, New Orleans, Louisiana  
1963 - 1966 Psychiatric Residency, University of Minnesota, Minneapolis

Licensure: Colorado, New Mexico (inactive)

Board Certification: American Board of Psychiatry and Neurology, (Psychiatry), 1971

Positions Held: 1968– Present: Full-time faculty, Department of Psychiatry, University of Colorado School of Medicine; Director, Division of Substance Dependence (1999–Present); Executive Director, Addiction Research and Treatment Service (1979–1999). NIDA-NIAAA Career Teacher in Alcohol and Drug Abuse (1976–1979). Psychiatric Hospital Ward Chief (1968–1974). Associate Director of Psychiatric Hospital (1972–1974). Acting Director and Director of Psychiatric Hospital (1974). Professor (1980–Present); Associate Professor (1974–1979); Assistant Professor (1969–1974), Instructor (1968–1969). 1966–1968: U.S. Air Force, Holloman AFB, New Mexico. Laboratory research in primate neurophysiology, concerned with effects of biogenic amine injection and depletion on circadian rhythms of sleep and wakefulness.

Honors:

Recipient of Marian W. Fischman Award from the Department of Psychiatry, Columbia University (2005). Annually included in *Best Doctors in America*® from 1992 to present. Faculty Fellow, Institute for Behavioral Genetics, 2002–2007. National Institute on Drug Abuse, MERIT Award, 2000–2005. Member, Community Drug Abuse Treatment Committee, Institute of Medicine of the US National Academy of Science (1997). Member, World Health Organization Expert Advisory Panel on Drug Dependence (1995–2003). Consultant to Dutch Govt. on Trial of Heroin for Treating Heroin Addicts, 1997. Board of Scientific Counselors, National Institute on Drug Abuse Addiction Research Center (1994–1998), Chairman (1994–1995). Member, Board of Directors of College on Problems of Drug Dependence (1988–1994), President-Elect (1991), President (1992–1993). Member, National Advisory Council on Alcohol Abuse and Alcoholism of the U.S. Alcohol, Drug Abuse, and Mental Health Administration (1985–1989). Editorial Board Member, Alcohol and Drug Research, 1985–1986; The American Journal on Addictions (1990–Present); Drug and Alcohol Dependence (1996–Present). Associate Editor, Waking and Sleeping, 1977–1980. Member, Psychoactive Substance Use Disorders Work Group for Preparation of DSM IV, American Psychiatric Association, 1989–1994. Member, Ad Hoc Advisory Committee for Revision of Substance Use Disorders Category in DSM III, American Psychiatric Association, 1984. Member, Psychosocial Internal Review Group (Study Section) of National Institute on Alcohol Abuse and Alcoholism, 1979–1983. President (1979–1981), and Vice President (1977–1979), Association for Medical Education and Research in Substance Abuse. Diplomat in Psychiatry, American Board of Psychiatry and Neurology, 1971. Fellow, American Psychiatric Association, 1977–2002, Life Fellow 2002– Present. Career Teacher in Alcohol and Drug Abuse (NIDA/NIAAA), 1976–1979. Medical Center Representative to Colorado State Advisory Council of Alcohol and Drug Abuse (1971–1989), Chairman (1977).

Professional Organizations:

College on Problems of Drug Dependence (Fellow). American Psychiatric Association (Fellow: 1977–2002; Life Fellow: 2002–Present). American Academy of Psychiatrists in Alcohol and Addictions (Fellow). Research Society on Alcoholism. American Association for the Advancement of Science.

Current Clinical and Research Grants:

## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 2

Substance Dependent Adolescents: Imaging Risk-Taking. 2 R01 DA009842-11A1. 09/05/2006-04/30/2011. Crowley is Principle, 3.02 Calendar Months (25% Effort). \$408,299 (Yr. 11) current year direct costs

Antisocial Drug Dependence: Genetics. 2 P60 DA 11015. 08/15/03 - 04/30/08. Crowley, Center Director, 5.5 Calendar Months. \$1,708,501 current year direct costs.

A Family Study of Substance Use and Conduct Disorder. 1R01 DA015522. 9/10/03-6/30/08. C. Hopfer, Principal Investigator. Crowley is co-investigator, .22 Calendar Months. \$394,360 current year direct costs.

NIAAA Institutional Postdoctoral Training Grant: Behavioral Pharmacogenetics of Drug and Alcohol Abuse. 5T32 AA007464-30. 7/1/02-6/30/07. Hoffman, Principal Investigator. Crowley is preceptor, no effort. \$393,873 current year direct cost.

Alan S. Bloom Fund, Dept. of Psychiatry, UCHSC. Ongoing, 4%.

ARTS/Synergy Fee Account, Ongoing 5%.

As Director of the Division of Substance Dependence. Crowley delegates to J. T. Brewster, LCSW for contracts, grants, and fees of approximately \$3 million annually to support the clinical activities of that service. These include (1) ARTS Outpatient Clinic; serves over 400 patients in separate programs for cocaine addicts, for heroin addicts who receive methadone, LAAM, or buprenorphine maintenance treatment, for drug-abusing health-care professionals, etc. (2) Synergy, a treatment and research program serving adolescents with Conduct Disorder and Substance Use Disorders. (3) Peer I, a long-term, drug-free residential therapeutic community for hard-core criminal addicts.

### Currently Taught Courses:

"Substance Dependence for Psychiatric Residents." This is a 10-hour addiction course covering etiology and treatment of substance use disorders. Crowley is course director.

"The Big Six Substance Problems in Primary care Medicine." Crowley is course director for this medical student elective, which provides a clinical or research experience to about 7 students per year.

"Human Behavior in Health and Illness." This main introduction to psychiatry for sophomore students includes two of Crowley's lectures on substance use disorders.

### Community Service:

Medical Center representative to Colorado State Advisory Council on Alcohol and Drug Abuse, 1971-1989; Chairman, 1977. Frequent presentations to physician and community groups on psychopharmacology and substance abuse. Consultant to Aspen Drug Education Prevention Team, 1981-1983. Consultant to Overland High School Community Drug Abuse Task Force (1984-1987).

Patents Held: U.S. Patent 5,490,501; February 13, 1996. Avalanche Victim's Air-from-Snow Breathing Device

### Publications:

Crowley TJ, Young SE, Raymond KM, Mikulich-Gilbertson SK, Rhea SA. (2007, submitted). Multi-year stability of abuse-neglect self-reports: Adolescents with serious conduct and substance problems.

Gelhorn HL, Sakai JT, Price RK, Crowley TJ (2007, submitted). DSM-IV Conduct disorder criteria as predictors of antisocial personality disorder.

Gelhorn H, Sakai J, Mikulich-Gilbertson S, Stallings M, Young S, Corley R, Rhee SH, Hopfer C, Hewitt J, Crowley T. (2007, submitted). Categorical and continuous measurement of adolescent antisocial behavior using DSM-IV conduct disorder symptom criteria.

Schlaepfer I, Clegg HV, Corley RP, Crowley T, Hewitt JK, Hopfer CJ, Krauter K, Lessem J, Rhee SH, Stallings MC, Wehner JM, Young SE, Ehringer MA. (2007, submitted). The human protein kinase C-gamma gene (PRKCG) as a susceptibility locus for hyperactive/impulsive behaviors.

Schlaepfer I, Collins AC, Corley RP, Crowley TJ, Hewitt JK, Hopfer CJ, Krauter K, Lessem J, McQueen MB, Rhee SH, Smolen A, Stallings MC, Young SE, Ehringer MA. (2007, submitted) The CHRNA5/A3/B4 gene cluster variability as an important determinant of alcohol and tobacco initiation in young adults.

Schulz-Heik RJ, Maentz SK, Rhee SH, Gelhorn HL, Young SE, Stallings MC, Timberlake D, Smolen A, Stetler GL, Sakai JT, Crowley TJ. (2007, submitted). Case-control and within-family tests for an association between conduct disorder and DAT1.

## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 3

Zeiger J, Schlaepfer I, Collins AC, Corley RP, Crowley TJ, Hewitt JK, Hopfer CJ, Krauter K, Lessem J, Rhee SH, Smolen A, Stallings MC, Young SE, Ehringer MA. (2007, submitted). Association of the neuronal nicotinic receptor subunit genes (CHRNA6 and CHRN3) and subjective responses to tobacco.

Milham MP, Crowley TJ, Thompson LL, Raymond KM, Claus ED, Banich MT. (2007, submitted) Reduction in orbitofrontal brain volume in adolescents with severe substance and conduct problems.

Grant BF, Compton WM, Crowley TJ, Hasin DS, Helzer JE, Li TK, Rounsaville BJ, Volkow ND, Woody GE. (2007, submitted). Errors in assessing DSM-IV substance use disorders in Kessler, et al.

Banich MT, Crowley TJ, Thompson LL, Jacobson BJ, Liu X, Raymond KM, Claus ED. (2007, in press) Brain activation during the Stroop task in adolescents with severe substance and conduct problems: A pilot study. *Drug Alcohol Depend*.

Anderson KG, Tapert SF, Moadab I, Crowley TJ, Brown SA. (2007, in press). Personality risk profile for conduct disorder and substance use disorders in youth. *Addictive Behaviors*.

Ehringer MA, Clegg HV, Collins AC, Corley RP, Crowley TJ, Hewitt JK, Hopfer CJ, Krauter K, Lessem J, Rhee SH, Schlaepfer I, Smolen A, Stallings MC, Young SE, Zeiger JS. (2007, in press). Association of the neuronal nicotinic receptor b2 subunit gene (CHRN2) with subjective responses to alcohol and nicotine. *Am J Med Genet - Neuropsychiatric Genetics*.

Sakai, JT, Hopfer CJ, Hartman C, Haberstick BC, Smolen A, Corley RP, Stallings MC, Young SE, Timberlake D, Hewitt JK, Crowley TJ. (2006, epub ahead of print) Test of association between TaqIA A1 allele and alcohol use disorder phenotypes in a sample of adolescent patients with serious substance and behavioral problems. *Drug Alcohol Depend*

Hopfer CJ, Lessem JM, Hartman CA, Stallings MC, Cherny SS, Corley RP, Hewitt JK, Krauter KS, Mikulich-Gilbertson SK, Rhee SH, Smolen A, Young SE, Crowley TJ (2006, epub ahead of print). A genome-wide scan for loci influencing adolescent cannabis dependence symptoms: Evidence for linkage on chromosomes 3 and 9. *Drug and Alcohol Depend*.

Hopfer CJ, Young SE, Purcell S, Crowley TJ, Stallings MC, Corley RP, Rhee SH, Smolen A, Krauter K, Hewitt JK, Ehringer MA. (2006). Cannabis receptor haplotype associated with fewer cannabis dependence symptoms in adolescents. *Am J Med Genet - Neuropsychiatric Genetics* 141B: 895-901.

Sakai JT, Young SE, Stallings MC, Timberlake D, Smolen A, Stetler GL, Crowley TJ. (2006). Case-control and within-family tests for an association between conduct disorder and 5HTT-LPR. *American Journal of Medical Genetics- Neuropsychiatric Genetics* 141B: 825-832.

Crowley TJ. Adolescents and substance related disorders: Research agenda to guide decisions on Diagnostic and Statistical Manual of Mental Disorders, fifth edition. *Addictions* 101(S1): 115-124, 2006.

Crowley TJ, Raymond KE, Mikulich-Gilbertson SK, Thompson LL, Lejuez CW. A risk-taking "set" in a novel task among adolescents with serious conduct and substance problems. *J Am Acad Child Adolesc Psychiatry*. 45(2): 175-183. 2006.

Young SE, Smolen A, Hewitt JK, Haberstick B, Stallings MC, Corley RP, Crowley TJ. Interaction between MAO-A genotype and maltreatment in the risk for conduct disorder: Failure to confirm in adolescent patients. *Am J Psychiatry*, 163(6): 1019-1025, 2006.

Hartman, C. A., Lessem, J. M., Hopfer, C. J., Crowley, T. J., Stallings, M. C. The family transmission of adolescent alcohol abuse and dependence. *Journal of Studies on Alcohol*, 67: 657-664, 2006.

Rhee SH, Hewitt JK, Young SE, Corley RP, Crowley TJ, Neale MC, Stallings MC. The etiology of comorbidity between alcohol dependence and illicit drug dependence in adolescents. *Drug and Alcohol Dependence*, 84:85-92, 2006.

Thompson LL, Whitmore EA, Raymond KM, Crowley TJ. Measuring impulsivity in adolescents with serious substance and conduct problems. *Psychological Assessment* 13: 3-15, 2006.

Sakai JT, Mikulich-Gilbertson SK, Crowley TJ. Adolescent inhalant use among male patients in treatment for substance and behavior problems: Two-year outcome. *American Journal of Drug and Alcohol Abuse*, 32: 29-40, 2006.

Sakai, J.T., Mikulich-Gilbertson, S.K., Long, R.J., Crowley, T.J. Validity of transdermal alcohol monitoring: Fixed and self regulated dosing. *Alcoholism Clinical and Experimental Research* 30: 26-33, 2006.

## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 4

Crowley, T.J. Recent advances in psychosocial treatments for substance dependence: Relevance to opioid agonist maintenance treatment. In: Rihs-Middel M, Hammig R, Jacobshagen N. (eds) *Heroin-assisted Treatment, Work in Progress*. Pp. 167–189. Switzerland, Verlag Hans Huber, 2005.

Stallings MC, Corley RP, Dennehey B, Hewitt JK, Krauter KS, Lessem JM, Mikulich-Gilbertson SK, Rhee SH, Smolen A, Young SE, Crowley TJ. A genome-wide search for quantitative trait loci influencing antisocial drug dependence in adolescence. *Archives of General Psychiatry*, 62: 1042–1051, 2005.

Crowley, T.J., Sakai, J.T. Inhalant related disorders. In: *The Comprehensive Textbook of Psychiatry*, 8<sup>th</sup>. pp. 1247–12–57 Sadock BJ, Sadock VA (eds.) Baltimore MD, Lippincott Williams and Wilkins, 2005

Crowley TJ, Sakai JT. Inhalants, In: Galanter M, Kleber H. (eds). *The American Psychiatric Publishing Textbook of Substance Abuse Treatment*, 3<sup>rd</sup> edition. pp. 291–300. Washington DC, American Psychiatric Press, 2004.

Berrettini W, Bierut L, Crowley TJ, Cubells JF, Frascella J, Gelernter J, Hewitt JK, Kreek MJ, Lachman H, Leppert M, Ling MD, Madden P, Miner C, Pollock JD, Pomerleau O, Rice JP, Rutter JL, Shurtleff D, Swan GE, Tischfield JA, Tsuang M, Uhl GR, Vanyukov M, Volkow ND, Wanke K. Setting priorities for genomic research. *Science* 304: 1445–1446, June 4, 2004.

Sakai JT, Stallings MC, Mikulich-Gilbertson SK, Corley RP, Young SE, Hopfer CJ, Crowley TJ. Mate similarity for substance dependence and antisocial personality disorder among parents of patients and controls. *Drug and Alcohol Dependence*, 75(2): 165–175, 2004.

Sakai JT, Hall SK, Mikulich-Gilbertson SK, Crowley T.J. Inhalant use, abuse and dependence among adolescent patients: Commonly co-morbid problems. *J Am Acad of Child Adol Psych*. 43(9):1080–1088, 2004.

Crowley TJ, Mikulich SK, Ehlers K, Hall S, Whitmore EA. Discriminative validity and clinical utility of an abuse-neglect interview for adolescents with conduct and substance use problems. *The American Journal of Psychiatry* 160:1461–1469, 2003.

Mikulich SK, Zerbe GO, Jones RH, Crowley TJ. Comparing linear and nonlinear mixed model approaches to cosinor analysis. *Statistics in Medicine* 22(20): 3195–3211, 2003.

Rhee RH, Hewitt JK, Young SE, Corley RP, Crowley TJ, Stallings MC. Genetic and environmental influences on substance initiation, use, and problem use adolescents. *Archives of General Psychiatry*. 60(12): 1256–1264. 2003.

Stallings MC, Corley RP, Hewitt JK, Krauter KS, Lessem JM, Mikulich SK, Rhee S, Smolen A, Young SE, Crowley TJ. A genome-wide search for quantitative trait loci influencing substance dependence vulnerability in adolescence. *Drug and Alcohol Dependence* 70(3): 295–307, 2003.

Hopfer CJ, Stallings MC, Hewitt JK, Crowley TJ. Family transmission of marijuana use, abuse, and dependence. *Journal of the American Academy Of Child Adolescent Psychiatry* 42(7): 834–841, 2003

Hopfer CJ, Crowley TJ, Hewitt JK. Review of twin and adoption studies of adolescent substance use. *Journal of the American Academy of Child and Adolescent Psychiatry* 42(6): 710–719, 2003.

Hopfer CJ, Khuri E, Crowley TJ. Treating adolescent heroin use. *Journal of the American Academy of Child and Adolescent Psychiatry* 42(5): 609–611, 2003.

Young SE, Corley RP, Stallings MC, Rhee SH, Crowley TJ, Hewitt JK. Substance use, abuse and dependence in adolescents: Prevalence, symptom profiles and correlates. *Drug and Alcohol Dependence* 68(3): 309–322, 2002.

Young SE, Smolen A, Corley RP, Krauter KS, DeFries JC, Crowley TJ, Hewitt JK. Dopamine transporter polymorphism associated with externalizing behavior problems in children. *The American Journal Medical Genetics (Neuropsychiatric Genetics)* 114: 144–149, 2002.

Hopfer CJ, Khuri E, Crowley TJ, Hooks S. Adolescent heroine use: A review of the descriptive and treatment literature. *Journal of Substance Abuse Treatment* 23: 231–237, 2002.

Crowley TJ, Mikulich SK, Ehlers KM, Whitmore EA, Macdonald MJ. Validity of structured clinical evaluations in adolescents with conduct and substance problems. *J. Amer. Acad. Child Adol. Psychiatry* 40(3): 265–273, 2001.

Mikulich SK, Hall SK, Whitmore EA, Crowley TJ. Concordance between DSM-III-R and DSM-IV diagnosis of substance use disorders in adolescents. *Drug and Alcohol Dependence* 61: 237–248, 2001.

## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 5

Hopfer CJ, Whitmore EA, Riggs PD, Swafford WB, Crowley TJ. Diagnosis and management of substance use disorders in young adulthood. *Primary Care Case Reviews* 3(4): 172-181, 2000.

Hopfer CJ, Mikulich SK, Crowley TJ. Heroin use among adolescents in treatment for substance use disorders. *J. Amer. Acad. Child Adol. Psychiatry* 39(10): 1316-1323, 2000.

Fortuin K, Kwiatkowski C, Brewster T, Ennis E, Crowley T, Booth R. Can you ever have enough treatment? *NIDA Research Monographs* 181, 2000.

Whitmore EA, Mikulich SK, Ehlers KM, Crowley TJ. One-year outcome of adolescent females referred for conduct disorder and substance abuse/dependence. *Drug and Alcohol Dependence* 59:131-141, 2000.

Grissom CK, Radwin MI, Harmston CH, Hirshberg EL, Crowley TJ. Respiration during snow burial using an artificial air pocket. *JAMA* 283(17): 2266-2271, 2000.

Slade J, Bickel WK, Crowley TJ, Ferrence R, Henningfield JE, Houston TP, Mitchell B, Room R, Sweanor D, Warner KE. The role of managing nicotine in controlling the tobacco epidemic. In Ferrence R, Slade J, Room R, Pope M (eds.), *Nicotine and Public Health* (pp. 483-501). Washington, D.C.: American Public Health Association, 2000.

Mikulich SK, Zerbe GO, Jones RH, Crowley TJ. Relating the classical covariance adjustment techniques of multivariate growth curve models to modern univariate mixed effects models. *Biometrics* 55: 957-964, 1999.

Riggs PD, Mikulich SK, Whitmore EA, Crowley TJ. Relationship of ADHD, depression, and non-tobacco substance use disorders to nicotine dependence in substance-dependent delinquents. *Drug and Alcohol Dependence* 54: 195-205, 1999.

Crowley TJ. Research on contingency management treatment of drug dependence: Clinical implications and future directions. In S.T. Higgins & K. Silverman (eds.), *Motivating behavior change among illicit-drug abusers: Research on contingency management interventions* (pp. 345-370). Washington, D.C.: American Psychological Association, 1999.

Benson JA Jr, Watson SJ Jr, Childers SR, Crout JR, Crowley TJ, Feinberg J, Fields HL, Hatsukami D, Larson EB, Martin BR, Vollmer TL. Marijuana and medicine: Assessing the science base. Institute of Medicine. Washington, D.C.: National Academy Press, 1999.

Greenlick MR, Banister GE, Bowser BP, Brady KT, Capoccia VA, Crowley TJ, Hauenstein EJ, McCarty D, McLellan AT, Mirin SM, Mojer-Torres LN, Rosenbloom DL, Sorensen JI, Westermeyer J. Bridging the gap between practice and research: Forging partnerships with community-based drug and alcohol treatment. Institute of Medicine. Washington, D.C.: National Academy Press, 1998.

Crowley TJ, Brewster JT. Cocaine legalization: Designing the experiments. In: S.T. Higgins & J.L. Katz (Eds.), *Cocaine abuse research: Pharmacology, behavior, and clinical applications* (pp. 409-429). San Diego, CA: Academic Press, 1998.

Cottler L B, Schuckit MA, Helzer JE, Crowley TJ, Woody G, Nathan P, Hughes J. The DSM-IV field trial for substance use disorders: Major results. In: Widiger TA, Thomas A, Frances AJ, Pincus HA, Ross R, First MB, Davis W, Kline M (eds.), *DSM-IV Sourcebook; Volume 4* (pp. 583-603). Washington, D.C.: American Psychiatric Association, 1998.

Miles DR, Stallings MC, Young SE, Hewitt JK, Crowley TJ, Fulker DW. A family history and direct interview study of the familial aggregation of substance abuse: The Adolescent Substance Abuse Study. *Drug and Alcohol Dependence* 49: 105-114, 1998.

Crowley TJ, Macdonald MJ, Whitmore E, Mikulich SK. Cannabis dependence, withdrawal, and reinforcing effects among adolescents with conduct symptoms and substance use disorder. *Drug and Alcohol Dependence* 50: 27-37, 1998.

Crowley TJ, Mikulich SK, Macdonald M, Young SE, Zerbe GO. Substance-dependent, conduct-disordered adolescent males: Severity of diagnosis predicts two-year outcome. *Drug and Alcohol Dependence* 49: 225-237, 1998.

Gabel S, Stallings MC, Young SE, Schmitz S, Crowley TJ, Fulker DW. Family variables in substance misusing male adolescents: The importance of maternal disorder. *American Journal of Drug and Alcohol Abuse* 24(1): 61-84, 1998.

Riggs PD, Mikulich SK, Coffman LM, Crowley TJ. Fluoxetine in drug-dependent delinquents with major depression: An open trial. *J Am Acad Child Adolescent Psychopharmacology* 7(2): 87-95, 1997.

Whitmore EA, Mikulich SK, Thompson LL, Riggs PD, Aarons GA, Crowley TJ. Influences on adolescent substance

## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 6

Dependence: Conduct disorder, depression, Attention Deficit Hyperactivity Disorder, and gender. *Drug and Alcohol Dependence* 47: 87-97, 1997.

Gabel S, Stallings MC, Schmitz S, Young SE, Crowley TJ, Fulker DW. Personality dimensions in mothers and sons: Relationship to adolescent substance misuse. *Personality and Individual Differences* 23: 79-86, 1997.

Booth RE, Crowley TJ, Zhang Y. Substance abuse treatment entry, retention, and effectiveness: Out-of-treatment opiate injection drug users. *Drug Alcohol Dependence* 42: 11-20, 1996.

Riggs PD, Thompson LL, Mikulich SK, Whitmore EA, Crowley TJ. An open trial of pemoline in drug-dependent delinquents with Attention-Deficit Hyperactivity Disorder. *J Am Academy Child Adolescent Psychiatry* 35(8): 1018-1024, 1996.

Thompson LL, Riggs PD, Mikulich SK, Crowley TJ. Contribution of ADHD symptoms to substance problems and delinquency in conduct-disordered adolescents. *Journal of Abnormal Child Psychology* 24(3): 325-347, 1996.

Crowley, T.J. Hallucinogen-related disorders, in *Comprehensive Textbook of Psychiatry/VI*. Edited by Kaplan, H.I., Sadock, B.J. Baltimore, MD, Williams and Wilkins, pp 831-838, 1995a.

Crowley, T.J. Phencyclidine (or Phencyclidineline)-related disorders, in *Comprehensive Textbook of Psychiatry/VI*. Edited by Kaplan, H.I., Sadock, B.J. Baltimore, MD, Williams and Wilkins, pp 864-872, 1995b.

Crowley TJ, Macdonald MJ, Walter MI. Behavioral anti-smoking trial in chronic obstructive pulmonary disease patients. *Psychopharmacology* 119: 193-204, 1995.

Riggs PD, Baker S, Mikulich SK, Young SE, Crowley TJ. Depression in substance-dependent delinquents. *J Am Acad Child Adolescent Psychiatry* 34(6): 764-771, 1995.

Young SE, Mikulich SK, Goodwin MB, Hardy J, Martin CL, Zoccolillo MS, Crowley TJ. Delinquent boys' substance use: Onset, pattern, relationship to conduct and mood disorders. *Drug and Alcohol Dependence* 37: 149-162, 1995.

Cottler LB, Schuckit MA, Helzer JE, Crowley T, Woody G, Nathan P, Hughes J. The DSM-IV field trial for substance use disorders: Major results. *Drug and Alcohol Dependence* 38: 59-69, 1995.

Crowley TJ, Riggs PD. Adolescent substance use disorder with conduct disorder, and comorbid conditions. Rahdert E. and Czechowicz D. (Eds), *Adolescent Drug Abuse: Clinical Assessment and Therapeutic Interventions* (pp.49-111). National Institute on Drug Abuse Research Monograph Series #156 (NIH Publication No. 95-3908), 1995.

Crowley TJ. The organization of intoxication and withdrawal disorders. In: Widiger TA, Frances AJ, Pincus HA, First MB, Ross R, Davis W (eds.), *DSMIV Source Book, Volume 1* (pp. 93-107). American Psychiatric Association: Washington DC, 1994.

Crowley TJ. Any man's death: Presidential address. *Problems of Drug Dependence 1993, Volume 1* (pp. 5-10). NIDA Monograph Series Number 140, NIH Publication No. 94-3748, 1994.

Kennedy JA, Crowley TJ, Cottler LB, Mager DB. Substance use diagnoses in smokers with lung disease. *The American Journal on Addictions* 2: 126-130, 1993.

Crowley TJ, Williams EA, Mikulich SK, Ingersoll N. Buprenorphine and cocaine effects on social behavior of monkeys. *Drug and Alcohol Dependence* 31: 235-245, 1993.

Gill K, Nolimal D, Crowley TJ. Antisocial personality disorder, HIV risk behavior and retention in methadone maintenance therapy. *Drug and Alcohol Dependence* 30: 247-252, 1992.

Crowley TJ, Mikulich SK, Williams EA, Zerbe GO, Ingersoll NC. Cocaine, social behavior, and alcohol-solution drinking in monkeys. *Drug and Alcohol Dependence* 29: 205-223, 1992.

Crowley TJ. They are not the phoenix (editorial). *American Academy of Psychiatrists in Alcoholism & Addictions Newsletter* 7(1): 3-4, 1992.

Crowley TJ, Macdonald MJ, Zerbe GO, Petty TL. Reinforcing breath carbon monoxide reductions in chronic obstructive pulmonary disease. *Drug and Alcohol Dependence* 29: 46-62, 1991.

Schuckit M, Helzer J, Crowley T, Nathan P, Woody G, Davis W. Substance use disorders. *Hospital and Community Psychiatry* 42(5): 471-473, 1991.

## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 7

- Kennedy JA, Crowley TJ. Chronic pain and substance abuse: A pilot study of opioid maintenance. *Journal of Substance Abuse Treatment* 7: 233-238, 1990.
- Nolimal DN, Crowley TJ. Difficulties in a clinical application of methadone dose contingency contracting. *Journal of Substance Abuse Treatment* 7: 219-224, 1990.
- Crowley TJ, Williams EA, Jones R. Initiating ethanol drinking in a simian social group in a naturalistic setting. *Alcoholism: Clinical and Experimental Research* 14: 444-455, 1990.
- Gurnee CG, Vigil D, Krill-Smith S, Crowley TJ. Substance abuse among American Indians in an urban treatment program. *American Indian and Alaska Native Mental Health Research, The Journal of the National Center* 3: 17-26, 1990.
- Crowley TJ, Andrews AE, Cherney J, Zerbe G, Petty TL. Carbon monoxide assessment of smoking in chronic obstructive pulmonary disease. *Addictive Behaviors* 14: 493-502, 1989.
- Crowley TJ, Goebel A, Nesbitt T. Inexpensive outdoor enclosure of Japanese macaques for biobehavioral research. *Laboratory Animal Science* 39: 420-424, 1989.
- Crowley TJ. Learning and unlearning drug abuse in the real world: clinical treatment and public policy. In: Ray, B. (ed.), *Learning Factors in Substance Abuse*, National Institute on Drug Abuse Research Monograph Series 84, DHHS Publication Number (ADM)88-1576, pp. 100-121, 1988.
- Crowley TJ, Krill-Smith S, Atkinson C, Selgestad B. A treatment for cocaine-abusing health care professionals. In: Washton AM, Gold MS (eds.), *Cocaine-A Clinician's Handbook*, pp. 152-172. Guilford Press: New York, 1987.
- Crowley TJ. Clinical issues in cocaine abuse. In: Fisher S, Raskin A, Uhlenhuth EH (eds.), *Cocaine: Clinical and Behavioral Aspects* pp. 193-211. Oxford University Press: New York, 1987.
- Crowley TJ, Andrews AE. Alcoholic-like drinking in simian social groups. *Psychopharmacology* 92: 196-205, 1987.
- Crowley TJ. Doctors' drug abuse reduced during contingency contracting treatment. *Alcohol and Drug Research* 6: 299-307, 1986.
- Crowley TJ, Wagner JE, Zerbe G, Macdonald MJ. Naltrexone-induced dysphoria in former opioid addicts. *American Journal of Psychiatry* 142: 1081-1084, 1985.
- Crowley TJ, Macdonald MJ, Zerbe G. Naltrexone: No effect on simian social and motor behavior. *Psychopharmacology* 87: 250-251, 1985.
- Crowley TJ, Rhine MW. The substance use disorders. In: Simons RC (ed.), *Understanding Human Behavior in Health and Illness Third Edition*, pp. 730-746. Williams and Wilkins: Baltimore-London-Sydney, 1985.
- Crowley TJ. Biological rhythms. In: Simons RC (ed.), *Understanding Human Behavior in Health and Illness Third Edition*, pp. 564-569. Williams and Wilkins: Baltimore-London-Sydney, 1985.
- Crowley TJ. A biobehavioral approach to the origins and treatment of substance abuse. In: Milkman HB, Shaffer HJ (eds.), *The Addictions: Multidisciplinary Perspectives and Treatments*, pp. 105-109. D.C. Heath: Lexington, 1985.
- Crowley TJ, Macdonald MJ, Wagner JE, Zerbe G. Acetylmethadol vs methadone: Human mood and motility. *Psychopharmacology* 86: 458-463, 1985.
- Crowley TJ, Macdonald MJ, Zerbe G. Variability in simian motor and social behavior with alternating-day acetylmethadol. *Psychopharmacology* 85: 353-360, 1985.
- Crowley TJ. Contingency contracting treatment of drug-abusing physicians, nurses, and dentists. In: Grabowski J, Stitzer M, Henningfield J (eds.), *Behavioral Intervention Techniques in Drug Abuse Treatments*, National Institute on Drug Abuse Research Monograph 46, pp. 68-83, 1984.
- Crowley TJ. Alcoholism-identification, evaluation and early treatment. *The Western Journal of Medicine* 140(3): 461-464, 1984.
- Crowley TJ. Substance abuse research in monkey social groups. In: Miczek K (ed.), *Ethopharmacology: Primate Models of Neuropsychiatric Disorders* pp. 255-275. Liss: New York, 1983.

## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 8

Helfrich A, Crowley TJ, Atkinson CA, Post RD. A clinical profile of 136 cocaine abusers. *Problems of Drug Dependence 1982*, National Institute on Drug Abuse Research Monograph 43, pp. 343-350, 1983.

Crowley TJ, Weisbard C, Hydinger-Macdonald MJ. Progress toward initiating and maintaining high-dose alcohol drinking in monkey social groups. *Journal of Studies on Alcohol* 44(4): 569-590, 1983.

Anker AL, Crowley TJ. Use of contingency contracts in specialty clinics for cocaine abuse. In: Harris LS (ed.), *Problems of Drug Dependence 1981*, National Institute on Drug Abuse Research Monograph 41, pp. 452-459, 1982.

Atkinson CA, Crowley TJ. A comparison of urine collection schedules with different predictability in a methadone clinic. In: Harris LS (ed.), *Problems of Drug Dependence 1981*, National Institute on Drug Abuse Research Monograph 41, pp. 460-465, 1982.

Reite M, Seiler C, Crowley TJ, Hydinger-Macdonald MJ, Short R. Circadian rhythm changes following maternal separation. *Chronobiologia* 9: 1-11, 1982.

Mast RT, Hydinger-Macdonald MJ, Crowley TJ. Data acquisition system used in studying naltrexone in behavior of primates. *Biomedical Sciences Instrumentation* 18: 37-44, 1982.

Crowley TJ, Hydinger-Macdonald M. Motility, parkinsonism, and prolactin with thiothixine and thioridazine. *Archives of General Psychiatry* 38: 668-675, 1981.

Crowley TJ, Rhine MW. Abuse of alcohol and other drugs. In: Simons RC, Pardes H (eds.). *Understanding Human Behavior in Health and Illness Second Edition*, pp. 657-670. Williams and Wilkins: Baltimore, 1981.

Heaton RK, Crowley TJ. Effects of psychiatric disorders and their somatic treatments on neuropsychological test results. In: Filskov SB, Boll TJ. *Handbook of Clinical Neuropsychology* pp. 481-525. Wiley-Interscience: New York, 1981.

Crowley TJ, Jones RH, Hydinger-Macdonald M, Lingle JR, Wagner JE, Egan DJ. Every-other-day acetylmethadol disturbs circadian cycles of human motility. *Psychopharmacology* 62: 151-155, 1979.

Heaton RK, Vogt AT, Hoehn MM, Lewis JA, Crowley TJ, Stallings MA. Neuropsychological impairment with schizophrenia vs. acute and chronic cerebral lesions. *Journal of Clinical Psychology* 35: 46-53, 1979.

Peck M, Krill-Smith S, Crowley TJ. Neonatal narcotic withdrawal: Diagnosis and treatment. *Rocky Mountain Medical Journal* 76: 28-30, 1979.

Crowley TJ, Hydinger-Macdonald M. Bedtime flurazepam and the human circadian rhythm of spontaneous motility. *Psychopharmacology* 62: 157-161, 1979.

Crowley TJ, Simpson R. Methadone dose and human sexual behavior. *International Journal of the Addictions* 13: 285-295, 1978.

Chipkin RE, Steward JM, Morris DH, Crowley TJ. Generalization of (DAla<sup>2</sup>)-Enkephalinamide but not of substance P to the morphine cue. *Pharmacol. Biochem. Behav.* 9: 129-132, 1978.

Crowley TJ, Hoehn MM, Rutledge CO, Stallings MA, Heaton RK, Sundell S, Stilson D. Dopamine excretion and vulnerability to drug-induced parkinsonism: schizophrenic patients. *Archives of General Psychiatry* 35: 97-104, 1978.

Crowley TJ, Hydinger M. Comparison of thyrotropin-releasing hormone and melanocyte-stimulating-hormone-release-inhibiting factor as pentobarbital antagonists in monkeys. *Psychopharmacology* 53: 205-206, 1977.

Crowley TJ, Conde R, Hannum JN, et al. *Electroconvulsive Therapy in Colorado: Recommendations of a Task Force of the Colorado Psychiatric Society*. (Available from the Colorado Psychiatric Society, 155 East Lake Place, Littleton, Colorado 80121), 1977.

Anonymous (Crowley TJ). A suicide epidemic in a psychiatric hospital. *Diseases of the Nervous System* 38: 327-331, 1977.

Hoehn MM, Crowley TJ, Rutledge CO. The parkinsonian syndrome and its dopamine correlates. In: Messiha FS, Kenny AD (eds.), *Parkinson's Disease*, pp. 243-254. Plenum: New York, 1977.

Crowley TJ, Lubanovic W, Halberg R, Hydinger M. Daily oral methadone alters circadian activity rhythm of monkeys. In:



## Curriculum Vitae

Thomas J. Crowley, M.D.

Page 9

Proceedings of the Twelfth International Conference of the International Society for Chronobiology, pp. 395–402. Il Ponte, Milan, 1977.

Crowley TJ, Hydinger M. MIF, TRH, and simian social and motor behavior. *Pharmacology, Biochemistry, and Behavior* 5(Suppl.1): 79–87, 1976.

Hoehn MM, Crowley TJ, Rutledge CO. Dopamine correlates of neurological and psychological status in untreated Parkinsonism. *Journal of Neurology, Neurosurgery, and Psychiatry* 39: 941–951, 1976.

Crowley TJ, Rutledge CO, Hoehn MM, Stallings MA, Sundell S. Low urinary dopamine and prediction of phenothiazine-induced Parkinsonism: A preliminary report. *American Journal of Psychiatry* 133: 703–706, 1976.

Kripke DF, Halberg R, Crowley TJ, Peggam V. Ultradian spectra in monkeys. *International Journal of Chronobiology* 3: 193–204, 1976.

Crowley TJ, Hydinger M, Stynes AJ, Feiger A. Monkey motor stimulation and altered social behavior during chronic methadone administration. *Psychopharmacologia* 43: 135–144, 1975.

Crowley TJ. Token programs in an acute psychiatric hospital. *American Journal of Psychiatry* 132: 523–528, 1975.

Crowley TJ, Stynes AJ, Hydinger M, Kaufman IC. Ethanol, methamphetamine, pentobarbital, morphine, and monkey social behavior. *Archives of General Psychiatry* 31: 829–838, 1974.

Crowley TJ, Chesluk D, Dilts S, Hart R. Drug and alcohol abuse among psychiatric admissions: A multidrug clinical-toxicologic study. *Archives of General Psychiatry* 30: 13–20, 1974.

Crowley TJ, Rutledge CO. Chronic methamphetamine, imipramine and phenobarbital effects on shock-induced aggression in rats. In: Singh JM, Lal H (eds.), *Drug Addiction, Volume 3, Neurobiology and Influences on Behavior* pp. 65–80. Symposia Specialists: Miami, 1974.

Crowley TJ. Dose-dependent facilitation or suppression of rat fighting by methamphetamine, phenobarbital, or imipramine. *Psychopharmacologia* 27: 213–222, 1972.

Crowley TJ, Kripke DF, Halberg R, Peggam GV, Schildkraut JD. Circadian rhythms of *Macaca mulatta*: Sleep, EEG, body and eye movement, and temperature. *Primates* 13: 149–168, 1972.

Crowley TJ. The reinforcers for drug abuse: Why people take drugs. *Comprehensive Psychiatry* 13:51–62, 1972. Abstract in *Psychiatry Digest* 33:32, 1972. Reprinted in *Addictions* 19: 12–31, 1972, and in *Grassroots*, pp. 1–7, October 1973.

Crowley TJ, Halberg F, Kripke DF, Peggam GV. Individual variation in circadian rhythms of sleep, EEG, temperature, and activity among monkeys: Implications for regulatory mechanisms. In: Menaker M (ed.), *Biochronometry*, pp. 30–54. National Academy of Sciences: Washington, D.C., 1971.

Peggam GV, Crowley TJ. Biochemical regulation of the sleep-wake and temperature cycles. In: *Medico-Legal Aspects of Aviation and Recent Advances in Aerospace Medicine* pp. 28–1 to 28–8. NATO-AGARD Conference Proceedings 61, 1970.

Kripke DF, Crowley TJ, Peggam GV, Halberg F. Circadian rhythmic amplitude modulation in Berger region frequencies in electroencephalograms from *Macaca mulatta*. *Rassegna di Neurologia Vegetativa* 22: 519–525, 1968.

Crowley T. Norepinephrine and serotonin effects on sleep, alertness, and temperature regulation, pp. 8–1 to 8–17. In: *Behavioral Problems in Aerospace Medicine*. NATO-AGARD Conference Proceedings 25, 1967.

Crowley TJ. Device for injecting or withdrawing fluid from the third ventricle of conscious cats. *Journal of Applied Physiology* 22: 185–186, 1967.

Crowley TJ. Klinefelter's syndrome and abnormal behavior: A case report. *International Journal of Neuropsychiatry* 1: 359–363, 1965.