

Michael Forster, PhD
College of Biomedical and Translational Sciences
Institute for Healthy Aging
Pharmacology & Neuroscience
Email: Michael.Forster@unthsc.edu



Area of Expertise

The goal of research in my lab is to understand the biology that makes us slow down and become more vulnerable to disease and injury as we grow older. We know that it is possible to combat aging biology because some people achieve advanced age in truly great condition. Studies of the habits and biology of such individuals during their lives are underway, but it may take several human lifetimes for them to be completed. Lower organisms grow old more rapidly and, like humans, show great differences among individuals in terms of how long they remain robust, and resist disease and injury. By studying lower organisms, my laboratory is focused on the promise that we can rapidly discover ways to combat deleterious aging conditions, study how they work, and design trials in humans. Understanding the biology of aging will help us treat all aging-related diseases (i.e., Alzheimer's disease, diabetes, etc).

Qualifications

MA in Psychobiology, Bowling Green State University
PhD in Psychobiology, Bowling Green State University
BA in Experimental Psychology, Muhlenberg College

Recent Publications

Locomotor and discriminative stimulus effects of NBOH hallucinogens in rodents

Munir, D. D., Shetty, R. A., Gatch, M. B., Sumien, N., Hill, R. D., Priddy, J. A. & Forster, M. J., 2024, (Accepted/In press)
In: Behavioural pharmacology. 10.1097/FBP.0000000000000802.

Locomotor and discriminative stimulus effects of three benzofuran compounds in comparison to abused psychostimulants

Hill, R. D., Shetty, R., Sumien, N., Forster, M. & Gatch, M., 5 Aug 2023, In: Drug and Alcohol Dependence. 8 p.

Effects of chronic methamphetamine exposure on rewarding behavior and neurodegeneration markers in adult mice

Davis, D. L., Metzger, D. B., Vann, P. H., Wong, J. M., Shetty, R. A., Forster, M. J. & Sumien, N., Jun 2023, In: Psychopharmacology. 240, 6, p. 1343-1358 16 p.

Comparison of locomotor stimulant and drug discrimination effects of four synthetic cathinones to commonly abused psychostimulants

Shetty, R. A., Hoch, A. C., Sumien, N., Forster, M. J. & Gatch, M. B., May 2023, In: Journal of Psychopharmacology. 37, 5, p. 520-528 9 p.

Expression of stable and reliable preference and aversion phenotypes following place conditioning with psychostimulants

Shetty, R. A., Rutledge, M., LeBouf, A., Mock, J. T., Pathak, G. & Forster, M. J., Aug 2022, In: Psychopharmacology. 239, 8, p. 2593-2603 11 p.

Sex differences in neurobehavioral consequences of methamphetamine exposure in adult mice

Davis, D. L., Metzger, D. B., Vann, P. H., Wong, J. M., Subasinghe, K. H., Garlotte, I. K., Phillips, N. R., Shetty, R. A., Forster, M. J. & Sumien, N., Jul 2022, In: Psychopharmacology. 239, 7, p. 2331-2349 19 p.

Behavioral pharmacology of five novel synthetic cannabinoids

Gatch, M. B., Tourigny, A., Shetty, R. A. & Forster, M. J., 1 Apr 2022, In: Behavioural pharmacology. 33, 23, p. 175-183 9 p.

Novel pharmacotherapy: NNI-362, an allosteric p70S6 kinase stimulator, reverses cognitive and neural regenerative deficits in models of aging and disease

Sumien, N., Wells, M. S., Sidhu, A., Wong, J. M., Forster, M. J., Zheng, Q. X. & Kelleher-Andersson, J. A., Dec 2021, In: Stem Cell Research and Therapy. 12, 1, 59.

Behavioral effects of four novel synthetic cathinone analogs in rodents

Gatch, M. B., Shetty, R. A., Sumien, N. & Forster, M. J., Jul 2021, In: Addiction Biology. 26, 4, e12987.

Early loss of cerebellar Purkinje cells in human and a transgenic mouse model of Alzheimer's disease

Chaudhari, K., Wang, L., Kruse, J., Winters, A., Sumien, N., Shetty, R., Prah, J., Liu, R., Shi, J., Forster, M. & Yang, S. H., 2021, In: Neurological Research. 43, 7, p. 570-581 12 p.

Sponsored Projects

Animal Core

Forster, M. (PI)

1/12/12 → 30/11/17

Anti-Angiogenic Effect of Curcumin on Obesity-Related Inflammation and Oxidative Stress in Middle-Aged C57BL/6 Mice

Filipetto, F. (PI), Franks, S. (Col), Forster, M. (Col) & Sumien, N. (Col)

Intramural Research(UNTHSC)

15/01/12 → 14/01/13

ASSESSMENT OF COCAINE PHARMACOTHERAPIES

Forster, M. (PI) & FORSTER, M. (PI)

National Institute on Drug Abuse

30/09/95 → 29/03/99

ASSESSMENT OF COCAINE PHARMACOTHERAPIES

Forster, M. (PI)

30/09/95 → 29/03/99

ASSESSMENT OF POTENTIAL COCAINE TREATMENT MEDICATIONS IN

Forster, M. (PI)

National Institute on Drug Abuse

30/09/92 → 30/09/97

ASSESSMENT OF POTENTIAL COCAINE TREATMENT MEDICATIONS

Forster, M. (PI) & FORSTER, M. (PI)

National Institute on Drug Abuse

30/09/97 → 29/09/01

ASSESSMENT OF POTENTIAL COCAINE TREATMENT MEDICATIONS

Forster, M. (CoPI), FORSTER, M. (PI) & Forster, M. (PI)

30/09/97 → 29/09/01

BASE AWARD FOR USING RODENT BEHAVIORAL MODELS TO IDENTIFY SUBSTANCE ABUSE PHARMACOTHERAPIES

Forster, M. (PI)

National Institute on Drug Abuse

1/10/18 → 30/09/19

Brain aging and antioxidant supplementation

Forster, M. (PI) & FORSTER, M. J. (PI)

National Institute on Aging

15/08/06 → 31/05/12

Brain aging and antioxidant supplementation

Forster, M. (PI)
15/08/06 → 31/05/12

Changes to Serum and Neuronal Levels of Alpha Synuclein in Response to Acute and Chronic Cocaine Administration for Craig Hilburn

Forster, M. (PI)
Peter F. McManus Charitable Trust
9/12/09 → 31/12/11

Cocaine-induced Stroke Susceptibility: Brain Function and Metabolism Signaling Pathways

Sumien, N. (PI), Forster, M. (Col) & Yang, S. (Col)
Intramural Research(UNTHSC)
1/05/16 → 31/08/18

Confidential

Gatch, M. (PI) & Forster, M. (Col)
Confidential
18/07/19 → 26/11/20

Confidential

Gatch, M. (PI), Forster, M. (Col) & Shetty, R. (Col)
Confidential
19/07/19 → 5/08/21

Confidential

Gatch, M. (PI) & Forster, M. (Col)
Confidential
19/07/19 → 18/07/20

Confidential

Gatch, M. (PI) & Forster, M. (Col)
Confidential
19/07/19 → 5/08/21

Confidential

Gatch, M. (PI) & Forster, M. (Col)
Confidential
18/07/19 → 13/09/21

Contract Year 3 increment in the amount of \$627,561.

Forster, M. (PI) & FORSTER, M. (PI)
National Institute on Drug Abuse

Contract Year 3 increment in the amount of \$627,561.

Forster, M. (PI)
1/10/08 → 30/09/09

Dietary targeting of dihydrolipoamide dehydrogenase for stroke tolerance

Forster, M. (PI), Yan, L.-J. (CoPI), FORSTER, M. J. (PI), YAN, L.-J. (PI) & Yan, L.-J. (CoPI)
National Institute of Neurological Disorders and Stroke
1/04/13 → 30/09/19

Dietary targeting of dihydrolipoamide dehydrogenase for stroke tolerance

Yan, L.-J. (PI) & Forster, M. (CoPI)
1/04/13 → 30/09/19

Dietary Targeting of Dihydropyridine Dehydrogenase for Stroke Tolerance

Forster, M. (PI), Huang, R.-Q. (Col) & Sumien, N. (Col)
NINDS: Neurological Disorders & Stroke
1/04/13 → 31/03/18

Effects of Aging on Blood Vessels in the Cerebellar Vermis

Jin, K. (PI), Forster, M. (Col) & Sumien, N. (Col)
NIA: National Institute on Aging
1/04/19 → 31/01/21

ETHANOL AND AGE ASSOCIATED COGNITIVE DECLINE

Forster, M. (PI)
National Institute on Alcohol Abuse and Alcoholism
29/09/94 → 31/08/98

ETHANOL AND AGE ASSOCIATED COGNITIVE DECLINE

Forster, M. (PI)
29/09/94 → 31/08/98

Evaluation of Abuse of Potenti

Gatch, M. (PI), Forster, M. (Col) & Shetty, R. (Col)
US Department of Justice
19/07/19 → 30/09/24

Evaluation of Abuse of Potential of Cathinones Using In Vivo Pharmacological Studies

Gatch, M. (PI), Forster, M. (Col) & Shetty, R. (Col)
US Department of Justice
19/07/19 → 2/02/24

Evaluation of Abuse of Potential of Cathinones Using In Vivo Pharmacological Studies

Gatch, M. (PI) & Forster, M. (Col)
US Department of Justice
19/07/19 → 26/12/22

Evaluation of Abuse Potential

Gatch, M. (PI) & Forster, M. (Col)
US Department of Justice
18/07/19 → 2/06/25

Evaluation of Abuse Potential

Shetty, R. (PI), Forster, M. (Col) & Gatch, M. (Col)
US Department of Justice
30/09/24 → 29/09/29

Evaluation of Abuse Potential

Shetty, R. (PI), Forster, M. (Col) & Gatch, M. (Col)
US Department of Justice
4/02/25 → 3/02/26

Evaluation of Abuse Potential of Synthetic Opioids Using In Vivo Pharmacological Studies

Gatch, M. (PI) & Forster, M. (Col)
US Department of Justice
18/07/19 → 7/02/24

Evaluation of Abuse Potential of Synthetic Opioids Using In Vivo Pharmacological Studies

Gatch, M. (PI) & Forster, M. (Col)

US Department of Justice

18/07/19 → 7/02/24

Evaluation of Abuse Potential of Synthetic Opioids Using In Vivo Pharmacological Studies

Gatch, M. (PI) & Forster, M. (Col)

US Department of Justice

18/07/19 → 25/10/22

Evaluation of Six Synthetic Tryptamines

Gatch, M. (PI) & Forster, M. (Col)

US Department of Justice

1/09/18 → 28/02/19

Evaluation of Synthetic Opioid Substances using the Drug Discrimination Assay

Gatch, M. (PI) & Forster, M. (Col)

US Department of Justice

1/08/17 → 31/07/18

Evaluation of Synthetic Opioid Substances using the Drug Discrimination Assay

Gatch, M. (PI) & Forster, M. (Col)

US Department of Justice

1/09/18 → 31/08/19

FY 13 Rodent Testing to Identify Pharma. for Substance Dependence

Forster, M. (PI)

National Institute on Drug Abuse

1/10/15 → 30/09/16

FY 13 Rodent Testing to Identify Pharma. for Substance Dependence

Forster, M. (PI)

National Institute on Drug Abuse

1/10/16 → 30/09/17

FY 13 Rodent Testing to Identify Pharma. for Substance Dependence

Forster, M. (PI)

National Institute on Drug Abuse

1/10/17 → 30/09/18

High-Resolution Tandem Mass Spectrometer for Advanced Biomolecular Research

Prokai, L. (PI), Forster, M. (Col) & Cheng, E. Y. (Col)

Intramural Research(UNTHSC)

27/01/17 → 31/01/18

IGF::OT::IGF: Base Award for Using Rodent Behavioral Models to Identify Substance Abuse Pharmacotherapies

Forster, M. (PI)

National Institute on Drug Abuse

IGF::OT::IGF: Base Award for Using Rodent Behavioral Models to Identify Substance Abuse Pharmacotherapies

Forster, M. (PI)

1/10/17 → 30/09/18

IMMUNOLOGIC CORRELATES OF MEMORY DECLINE

Forster, M. (PI) & Forster, M. (PI)

National Institute on Aging, National Institutes of Health

31/12/89 → 30/06/93

IMMUNOLOGIC CORRELATES OF MEMORY DECLINE

Forster, M. (PI)

1/07/86 → 30/06/87

IMMUNOLOGIC CORRELATES OF MEMORY DECLINE

FORSTER, M. (CoPI) & Forster, M. (PI)

1/07/86 → 30/06/93

Interoceptive actions of gangl

Forster, M. (PI)

American Heart Association - National

1/01/24 → 31/12/25

Mechanisms of Carisoprodol Abuse

Forster, M. (PI) & Gatch, M. (Col)

West Virginia University Research Corp

1/02/12 → 31/05/14

Mechanisms of Carisoprodol Abuse

DILLON, G. (PI), DILLON, G. (CoPI), FORSTER, M. (CoPI), Prókai, L. (CoPI), Forster, M. (CoPI), Prokai, L. (CoPI) & FORSTER, M. (CoPI)

1/07/09 → 31/05/14

Mechanisms of Cognitive Decline During Aging

Forster, M. (PI), SIMPKINS, J. (PI), Singh, M. (PI), Koulen, P. (PI), SUMIEN, N. (PI), DILLION, G. (PI), SIMPKINS, J. (PI), Koulen, P. (PI), SUMIEN, N. (PI), DILLION, G. (PI) & FORSTER, M. (PI)

National Institute on Aging

30/09/03 → 29/02/16

Mechanisms of Cognitive Decline During Aging

DILLION, G. (CoPI), Koulen, P. (CoPI), SIMPKINS, J. (CoPI), SUMIEN, N. (CoPI), SIMPKINS, J. (PI), DILLION, G. (CoPI), Koulen, P. (CoPI), SUMIEN, N. (CoPI), Forster, M. (CoPI), Singh, M. (CoPI) & FORSTER, M. (CoPI)

National Institute on Aging

30/09/03 → 29/02/16

Mechanisms of Cognitive Decline During Aging - Core A

Forster, M. (PI)

NIA: National Institute on Aging

1/03/13 → 29/02/16

Mechanisms of Cognitive Decline During Aging - Core B

Sumien, N. (PI) & Forster, M. (Col)

NIA: National Institute on Aging

1/03/13 → 29/02/16

Mechanisms of Cognitive Decline During Aging - Project 1

Forster, M. (PI), Sumien, N. (Col) & Yan, L.-J. (Col)

NIA: National Institute on Aging

1/03/13 → 29/02/16

Novel Mechanistic Targets of Steroid Hormones in the Brain

ALLERAND, D. (CoPI), Koulen, P. (CoPI), SIMPKINS, J. (CoPI), FORSTER, M. (CoPI), Prókai, L. (CoPI), SINGH, M. (CoPI), Prókai, L. (CoPI), Koulen, P. (CoPI), Singh, M. (PI), Forster, M. (CoPI) & Prokai, L. (CoPI)

15/08/07 → 30/11/18

Novel Mechanistic Targets of Steroid Hormones in the Brain - Core B

Forster, M. (PI), Shetty, R. (Col), Yang, S. (Col), Liu, R. (Col) & Sumien, N. (Col)
NIA: National Institute on Aging
1/12/12 → 30/11/18

Novel Modulators of $\alpha 7$ nAChRs as Treatment for Nicotine Reward

Forster, M. (PI)
Epigen Biosciences, Inc.
15/12/20 → 14/12/22

OXIDATIVE STRESS AND BRAIN AGING

FORSTER, M. (PI) & Forster, M. (PI)
1/09/08 → 28/02/14

POTENTIAL COCAINE TREATMENT MEDICATIONS

Forster, M. (PI)
30/09/93 → 30/09/97

Predoctoral Training in the Neurobiology of Aging

Forster, M. (PI), Sumien, N. (CoPI), Singh, M. (PI), SIMPKINS, J. (PI), SINGH, M. (PI), FORSTER, M. (PI), SUMIEN, N. (CoPI), Simpkins, J. W. (PI), FORSTER, M. (CoPI) & SUMIEN, N. (PI)
National Institute on Aging
1/05/02 → 30/04/22

Rodent Drug Discrimination & Locomotor Activity Testing

Forster, M. (PI)
National Institute on Drug Abuse
1/10/09 → 30/09/10

Rodent Drug Discrimination & Locomotor Activity Testing

Forster, M. (PI)
National Institute on Drug Abuse
1/10/10 → 30/09/11

Rodent Testing to Identify Pharmacotherapies for Substance Dependence

Forster, M. (PI) & Gatch, M. (Col)
NIDA: National Institute on Drug Abuse
31/12/12 → 3/01/18

Rodent Testing to Identify Pharmacotherapies for Substance Dependence

Forster, M. (PI) & Gatch, M. (Col)
NIDA: National Institute on Drug Abuse
4/01/16 → 20/09/18

ROLE OF MITOCHONDRIAL ERB IN NEURONAL VULNERABILITY TO NEUROTOXIC STRESS

Singh, M. (PI), SIMPKINS, J. (PI), Koulen, P. (PI), Forster, M. (PI), Prokai, L. (PI) & ALLERAND, D. (PI)
National Institute on Aging
1/01/01 → 30/11/18

SMALL INSTRUMENTATION PROGRAM

Forster, M. (PI)
National Heart, Lung, and Blood Institute
1/01/90 → 1/01/90

SMALL INSTRUMENTATION PROGRAM

Forster, M. (PI)

1/06/88 → 31/05/89

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Forster, M. (PI), LINDBLAD, R. (PI), NA, N. (PI), PALMER, C. N. P. (PI), FAN, X. (PI), HAYASHI, S. (PI), , (PI), ELISOHLY, M. (PI), TIMMERMAN, C. (PI), Huang, Y. (PI), VANVELDHUISEN, P. (PI), LE CLERC, F. (PI), TISCHFIELD, J. (PI), HINES, J. (PI), BEARDSLEY, P. (PI), MITCHELL, J. (PI), MESSERSMITH, D. (PI), HARRIS, L. (PI), BASSIN, G. (PI), Huang, Y. (PI), BAURLEY, J. (PI), PARKINSON, A. (PI), TISCH, D. (PI), DAVIS, K. (PI), LANGE, D. (PI), PANTIN, H. (PI), ENICHEN, D. (PI), BROWN, S. (PI), VANHELDHUISEN, P. (PI), THOMAS, B. (PI), STELTER, R. (PI), Zhang, X. (PI), LANDIS, R. (PI), DARMANJIAN, S. (PI), TANNER, B. (PI), HANINA, A. (PI), CHERTOFF, D. R. (PI), RICKMAN, W. (PI), VINCE, B. (PI), C, P. (PI), TARTER, B. (PI), , (PI), , (PI), , (PI), , (PI), PUTNAM, S. (PI), HOLTZ, K. (PI), BERKA, C. (PI), FEIN, G. (PI), WOOLWINE, F. (PI), DRAINE, S. (PI), WAI LEE, M. (PI), LUCHANSKY, W. (PI), KYNOR, D. (PI), SCULL, T. (PI), , (PI), , (PI), , (PI), , (PI), , (PI), RANSOM, J. (PI), KUNITZ, S. (PI), HARRIS, L. (PI), YATES, T. (PI), PARANJPE, M. (PI), VANVELDHUISEN, P. (PI), BROWN, S. (PI), ELISOHLY, M. (PI), HAYASHI, S. (PI), X (PI), HOOD, R. (PI), HOOD, R. (PI), TISCHFIELD, J. (PI), GERRY, N. (PI), Huang, Y. (PI), CUCCA, F. (PI), THOMAS, B. (PI), HINES, J. (PI), BEARDSLEY, P. (PI), BAURLEY, J. (PI), SANCHEZ, R. (PI), GREENBERG, D. (PI), VANHELDHUISEN, P. (PI), LINDBLAD, R. (PI), PARKINSON, A. (PI), PANTIN, H. (PI), LANGE, D. (PI), , (PI), RICKMAN, W. (PI), TISCH, D. (PI), PUTNAM, S. (PI), SONG, J. (PI), WOOLWINE, F. (PI), UNKNOWN, U. (PI), KEMNITZ, J. (PI), HOOD, R. (PI), X (PI), CONVER, M. (PI), WHITE, S. W. (PI), HOOD, R. (PI), HOOD, R. (PI), BAUGHMAN, K. (PI), BAUGHMAN, K. (PI), BAUGHMAN, K. (PI), , (PI), X (PI), TARN, C. (PI), , (PI), , (PI), PRAKASH, S. (PI), PARK, N.-H. (PI), TANNER, B. (PI), SARANGAPANI, S. (PI), KOREY, A. (PI), Huang, Y. (PI), XINPING, F. (PI), BRUE, V. (PI), NANDA, J. (PI), WU, C. (PI), DWEIK, B. (PI), DELRAHIM-HOWLET, K. (PI), KANTHI, H. (PI), YUAN, M. J. (PI), OBERMAYER, J. (PI), LANDIS, R. (PI), CARROLL, I. (PI), , (PI), MURTY, R. (PI), HANINA, A. (PI), XIE, X. S. (PI), STOCK, H. (PI), YEAKLEY, J. (PI), LU, J. (PI), TANG, K. (PI), HENSLEY, P. (PI), MCDONOUGH, P. (PI), COLLAMORE, J. (PI), X (PI), X (PI), X (PI), , (PI), X (PI), MOSS, N. (PI), YOUNG, S. (PI), BRAY, K. (PI), PRICE, C. (PI), ANDERSON, P. (PI), COLLAMORE, J. (PI), LEUNG, V. (PI), CLEMONS, T. (PI), RODGERS, A. (PI), ELISOHLY, M. (PI), VANHELDHUISEN, P. (PI), BROOKS, L. (PI), THOMAS, B. (PI), CARROLL, I. (PI), GERRY, N. (PI), PARANJPE, M. (PI), HARRIS, L. (PI), DUNNE, A. (PI), CUCCA, F. (PI), BROWN, S. (PI), STOCK, H. (PI), LINDBLAD, R. (PI), Huang, Y. (PI), RICKMAN, W. (PI), CLEMONS, T. (PI), MURTY, R. (PI), WU, C. (PI), WOOLWINE, F. (PI), PARK, N.-H. (PI), HENSLEY, P. (PI), KYNOR, D. (PI), YEAKLEY, J. (PI), NESBETH, Y. C. (PI), SCHWARTZ, E. (PI), PARAMESWARAN, K. (PI), TANG, K. (PI), MORROW, A. (PI), WHITE, W. (PI), ZIELKE, R. (PI), SZENTENDREI, T. (PI), WONG, D. (PI), UNKNOWN, U. (PI), FRANKLIN, C. (PI), WHITE, W. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMIN, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), LIPPA, A. (PI), SIZEMORE, J. (PI), HINES, J. (PI), OBERMAYER, J. (PI), BRAXTON, K. (PI), GREEN, C. (PI), GREEN, C. (PI), GREEN, C. (PI), LEE, M. (PI), CARNES, C. (PI), CHERTOFF, D. (PI), BERGMAN, J. (PI), GREENBERG, D. (PI), CAPLAN-MEVORAH, R. (PI), NG, H. (PI), JYOTIRMAYA, N. (PI), EVERS, K. (PI), BEARDSLEY, P. (PI), SANCHEZ, R. (PI), NA, N. (PI), LAWSON, J. (PI), WILLS, P. (PI), ABANTO, M. (PI), FRANKLIN, R. (PI), WOLFE, G. (PI), ARALDI, G. (PI), MARTIN, W. (PI), DUDDY, S. (PI), JOHNSON, G. (PI), SISCO, J. (PI), ARALDI, G. (PI), LAWSON, J. (PI), SISCO, J. (PI), , (PI), VINCE, B. (PI), PIENTA, A. (PI), BURAS, W. (PI), MOLINA, D. (PI), LANGE, D. (PI), Huang, Y. (PI), VANVELDHUISEN, P. (PI), KOREY, A. (PI), MOODY, P. D. , D. (PI), HAYASHI, S. (PI), TISCHFIELD, J. (PI), KRYSTAL, A. (PI), ELISOHLY, M. (PI), STOCK, H. (PI), CLEMONS, T. (PI), HARRIS, L. (PI), BERGMAN, J. (PI), CAPLAN-MEVORAH, R. (PI), MURTY, R. (PI), PIENTA, A. (PI), Huang, Y. (PI), PARANJPE, M. (PI), MOLINA, D. (PI), SANCHEZ, R. (PI), BEARDSLEY, P. (PI), DUDDY, S. (PI), KUNITZ, S. (PI), WALKER, R. (PI), PASCAL, J. (PI), SILINSKI, P. (PI), , (PI), HARTLEY, C. (PI), HERR, K. (PI), HOGANS, B. (PI), NG, H. (PI), FISHER, T. (PI), BESCH-WILLIFORD, C. (PI), FISHER, T. (PI), SHUGARTS, P. (PI), EDELEN, M. (PI), KELLY, M. (PI), KITZMAN, D. (PI), WESTON, J. (PI), SATAPATHY, G. (PI), NG, H. (PI), DAMON, J. (PI), TAUBEN, D. (PI), SPALLEK, H. (PI), LEE, M. (PI), ANTON, M. (PI), BELLINGER, J. (PI), EVERS, K. (PI), SCHUMACHER, M. (PI), LEVESQUE, D. (PI), LINDBLAD, R. (PI), MANWORREN, R. (PI), MUELLER, M. (PI), YUAN, M. (PI), FARRAR, J. (PI), SAHLER, O. J. (PI), MAHMOUD A., E. (PI), SHAEFER, J. (PI), BUCKLEY, D. (PI), THOMAS, B. (PI), DECHARMS, C. (PI), TIEN, A. (PI), MYERS, D. (PI), HERNDON, C. (PI), BASSIN, G. (PI), HARRIS, D. (PI), EZZELLE, J. (PI), ANNE, G. (PI), FRANKLIN, R. B. (PI), JOHNSON, G. (PI), RANDY, H. (PI), WOLFE, G. (PI), LAWSON, J. (PI), ARALDI, G. L. (PI), MARTIN, W. (PI), SISCO, J. (PI), DUDDY, S. (PI), WILLS, P. (PI), HANSEN, K. (PI), HANSEN, K. (PI), WINCHELL, G. (PI), ROMERO, D. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), KRUMMINS, M. (PI), FORSTER, M. (PI), FORSTER, M. (PI) & KVALE, E. (PI)

National Institute on Drug Abuse

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Training in the Neurobiology of Aging and Alzheimer's Disease

Sumien, N. (PI) & Forster, M. (CoI)

NIA: National Institute on Aging

1/05/19 → 30/04/24

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UNTHSC Team Science - Team-based discovery and preclinical evaluation of cocaine addiction treatments

Colon-Perez, L. (CoPI), Forster, M. (CoPI), Emmitte, K. (CoPI), Siderovski, D. (CoPI) & Shetty, R. (Col)

UNT Health Science Center Division of Research and Innovation

1/08/23 → ...

Using rodent behavioral models

Forster, M. (PI), Gatch, M. (Col), Shetty, R. (Col) & Sumien, N. (Col)

NIDA: National Institute on Drug Abuse

4/01/23 → 3/01/28

Using rodent behavioral models to identify substance abuse pharmacotherapies

Forster, M. (PI), Gatch, M. (Col), Sumien, N. (Col) & Shetty, R. (Col)

NIDA: National Institute on Drug Abuse

20/09/18 → 3/01/23