
**NATIONAL INSTITUTES OF HEALTH
DEPARTMENT OF HEALTH AND HUMAN SERVICES
NATIONAL PRIMATE RESEARCH CENTERS (NPRC) PROGRAM
DIVISION OF COMPARATIVE MEDICINE
NATIONAL CENTER FOR RESEARCH RESOURCES**

**5P51RR000165-46
YERKES NATIONAL PRIMATE RESEARCH CENTER**

Final

**EMORY UNIVERSITY
EMORY UNIVERSITY WOODRUFF HEALTH SCIENCES CENTER**

ANNUAL PROGRESS REPORT

Reporting From: 04/30/2006

Reporting To: 04/30/2007

40.000% AIDS Related

withheld



TABLE OF CONTENTS

PERSONNEL ROSTER	2
SUBPROJECT DESCRIPTIONS	10
NPRC MANAGEMENT SUBPROJECTS	
ADMINISTRATIVE	
withheld	
- SPF COLONY (0309)	11
withheld	
- OPERATION OF THE YERKES PRIMATE RESEARCH CENTER (0191)	12
ANIMAL RESOURCES	
withheld	
- MAINTENANCE OF YPC ANIMAL COLONY (0292)	13
CNTR BEHAV NEUROSCIENCE	
withheld	
- CENTER FOR BEHAVIORAL NEUROSCIENCE (0359)	14
NEUROSCIENCE	
withheld	
- THE DEVELOPMENT OF A CENTER FOR THE SCIENTIFIC STUDY OF CHIMPANZEES (0253)	15
PSYCHOBIOLOGY	
withheld	
- LIVING LINKS CENTER FOR STUDY OF APE & HUMAN EVOLUTION (0062)	16
RESEARCH RESOURCES	
withheld	
- SPECIMEN COLLECTION AND DISTRIBUTION PROGRAM (0291)	17
withheld	
- IMMUNO-VIROLOGICAL AND SAMPLE REPOSITORY SIV-INFECTED AND UNINFECTED MANGABEYS (0499)	18
withheld	
- CHIMPANZEE MANAGEMENT RESEARCH PROGRAM (0037)	19
VACCINE RESEARCH CENTER	
withheld	
- VACCINE RESEARCH CENTER (0177)	20
withheld	
- CENTER FOR AIDS RESEARCH (0181)	21
RESEARCH SUBPROJECTS	
ANIMAL RESOURCES	
withheld	
- TAILORING ENRICHMENT TO REARING AND RESEARCH (0206)	23
withheld	
- PRIMATE GENETIC ANALYSIS AND PEDIGREE MANAGEMENT (0390)	24
CNTR BEHAV NEUROSCIENCE	
withheld	
- ANATOMY AND PHARMACOLOGY OF FEAR-POTENTIATED STARTLE (0381)	25
withheld	
- EARLY LIFE STRESS IN NON HUMAN PRIMATES AND HUMANS (0376)	26
withheld	

RESEARCH SUBPROJECTS

CNTR BEHAV NEUROSCIENCE

- DOPAMINERGIC MODULATION OF NETWORK ACTIVITY IN BASOLATERAL AMYGDALA (0314) 27
- SNAPTIC ORGANIZATION OF THE BASOLATERAL AMYGDALA (0315) 28
- STRESS ALLOSTASIS: CRF, SEROTONIN AND THE BNST (0373) 29
- FUNCTIONAL NEUROANATOMY OF THE BASOLATERAL AMYGDALA (0473) 30
- PROMOTER-BASED FUNCTIONAL MAPPING OF AMYGDALA MICROCIRCUITS (0474) 31
- FUNCTIONAL NEUROANATOMY OF THE BASOLATERAL AMYGDALA (0497) 32

withheld

- AMYGDALA VS. HIPPOCAMPAL BDNF FUNCTION WITH MOLECULAR GENETIC TECHNIQUES (0440) 33
- EXAMINATION OF ALLOSTERIC SITE OF SEROTONIN TRANSPORTER USING TRANSGENIC MICE (0475) 34
- FEAR LEARNING IN MICE AND DISORDERS OF FEAR IN HUMANS (0476) 35
- GENETIC AND TRAUMA-RELATED RISK FACTORS FOR PTSD (0477) 36
- MOLECULAR REGULATION OF GABAA RECEPTORS IN THE AMYGDALA (0478) 37
- SYNAPTIC PLASTICITY AND EXTINCTION OF FEAR (0498) 38

withheld

- CENTRAL VASOPRESSIN RECEPTORS AND AFFILIATION (0118) 39
- OXYTOCIN AND SOCIAL ATTACHMENT (0175) 40

MICROBIOLOGY & IMMUNOLOGY

withheld

- POXVIRUS IMMUNITY AND DNA/MVA HIV VACCINES (0332) 41
- NOVEL THERAPEUTIC VACCINE FOR HIV/AIDS (0508) 42

withheld

- ROLE OF VIRUS SPECIFIC IMMUNITY IN PRIMATE MODELS (0324) 43
- CD4 T CELL ACTIVATION IN SIV INFECTED DISEASE RESISTANT SOOTY MANGABEYS (0454) 44
- DELIPIDATED LENTIVIRUSES AS THERAPEUTIC IMMUNIZATION POST SIV INFECTION (0455) 45

withheld

- MECHANISMS OF HEPATITIS C VIRUS PERSISTENCE (0510) 46

withheld

- TRANSPLANT TOLERANCE IN NON-HUMAN PRIMATES (0259) 47
- STRATEGIES FOR LARGE SCALE ISLET REPLACEMENT (0503) 48

withheld

- GENETICS OF NEUROPATHOGENIC SIV INFECTION (0327) 49

withheld

- STRATEGIES FOR LARGE SCALE ISLET REPLACEMENT (0507) 50

withheld

- DNA/MVA IMMUNOGENS, CROSS-CLADE RESPONSES (0222) 51

withheld

- SYNTHESIS AND BIOTRANSFORMATION OF ANTI-VIRAL PRODRUGS (0032) 52

withheld

- THE ROLE OF MAST CELLS IN PERSISTENT HIV-1 INFECTION (0506) 53

withheld

- RESOURCE FOR NONHUMAN PRIMATE IMMUNE REAGENTS (0140) 54
- CD4 MEDIATED IMMUNE RECONSTITUTION IN SIV INFECTION (0505) 55

NEUROSCIENCE

RESEARCH SUBPROJECTS

NEUROSCIENCE

withheld

- D1 AND D5 RECEPTOR SIGNALING IN MONKEY PFC (0438)

56

withheld

- A TRANSGENIC MONKEY: INHERITED NEURODEGENERATIVE DISEASES (0392)
- DEVELOPING A NON-HUMAN PRIMATE MODEL OF ALZHEIMER DISEASE (0493)

57

58

withheld

- STROKE IMAGING OF CONSCIOUS RATS (0417)
- PERFUSION, DIFFUSION AND FUNCTIONAL IMAGING OF STROKE (0418)
- LAYER-SPECIFIC FUNCTIONAL AND PERFUSION IMAGING OF THE CAT RETINA (0443)
- OXYGENATION AND PERFUSION IMAGING OF THE CAT RETINA (0464)
- IMAGING CENTER (0519)

59

60

61

62

63

withheld

- BEHAVIORAL EVALUATION OF STIMULANT / HALLUCINOGEN DRUGS IN MICE (0435)
- EFFECTS OF SELF-ADMINISTERED MDMA ON BRAIN AND BEHAVIOR IN RHESUS MONKEYS (0483)

64

65

withheld

- STUDIES OF AGING AND COGNITION IN NONHUMAN PRIMATES (0047)
- SELECTIVE ESTROGEN RECEPTOR MODULATORS AND COGNITION (0404)

66

67

withheld

- COCAINE USE & MONOAMINE FUNCTION IN NON HUMAN PRIMATES (0049)
- PET IMAGING & COCAINE NEUROPHARMACOLOGY IN MONKEYS (0050)
- TRANSITIONAL STATES IN DRUG ADDICTION (0334)

68

69

70

withheld

- ANATOMY AND ACTIVATION OF NUCLEUS ACCUMBENS CART NEURONS (0487)

71

withheld

- REGULATION OF CART EXPRESSION IN RAT NUCLEUS ACCUMBENS (0482)

72

withheld

- MONOAMINE TRANSPORTERS & NONHUMAN PRIMATE COCAINE (0335)

73

withheld

- CART: A NOVEL COCAINE REGULATED NEUROCHEMICAL (0054)
- MEDICATION DEVELOPMENT FOR COCAINE ABUSERS (0056)
- PROMOTER CHARACTERIZATION OF THE CART GENE (0283)
- TRAINING PROGRAM IN THE NEUROBIOLOGY OF DRUG ABUSE (0336)
- REGULATION OF THE CART GENE BY PROMOTER CIS-ELEMENTS (0480)
- MATERNAL SEPARATION AND VULNERABILITY TO DRUGS (0488)

74

75

76

77

78

79

withheld

- CALCIUM SIGNALING AND PREFRONTAL DEFICITS IN SCHIZOPHRENIA (0511)

80

withheld

- CORTICAL CIRCUITRY RELATED TO NEUROTRANSMISSION PROTEINS (0122)
- REGIONAL VARIATION IN D1 SIGNALING PROTEIN LOCALIZATION (0504)

81

82

withheld

- INTERROGATING THE GENOME TO UNCOVER HUMAN SPECIALIZATIONS OF BRAIN & COGNITION (0305)

83

withheld

- THE ROLE OF NEUREGULIN AND ITS RECEPTOR, ERBB4, IN CONDITIONED FEAR LEARNING (0439)

84

withheld

RESEARCH SUBPROJECTS

NEUROSCIENCE

- GABA-B RECEPTORS AND PARKINSON'S DISEASE (0136)	85
- METABOTROPIC GLUMATE RECEPTORS IN BASAL GANGLIA (0337)	86
- LOCALIZATION METABOTROPIC GLUTAMATE RECEPTORS IN NORMAL/COCAINE-TREATED ANIMALS (0481)	87
- THALAMOSTRIATAL SYSTEMS AND PARKINSON'S DISEASE (0489)	88
- THE THALAMOSTRIATAL SYSTEM: A TARGET FOR TOURETTE SYNDROME SURGERY? (0512)	89
- TRAINING IN SYSTEMS AND INTEGRATIVE BIOLOGY NEUROSCIENCE (0513)	90
- THE THALAMOSTRIATAL SYSTEM IN PRIMATES (0514)	91
- GLUTAMATE RECEPTORS: TARGETS FOR PARKINSON'S DISEASE PHARMACOTHERAPY (0515)	92
withheld	
- LENTIVIRAL-MEDIATED EXPRESSION OF TRANSGENIC BETA-APP AND PRESENILIN IN MONKEYS (0397)	93
- TRANSGENIC EXPRESSION OF TAU AND APP IN MODELS OF ALZHEIMER'S DISEASE (0484)	94
- BIOMARKERS BRAIN PATHOLOGY: RISKS FOR ALZHEIMER'S DISEASE AND DRUG ADDICTION (0485)	95
- ALZHEIMER'S IMMUNOTHERAPY IN A PRIMATE MODEL OF CEREBRAL AMYLOID ANGIOPATHY (0486)	96
withheld	
- FUNCTION OF DOPAMINE IN THE PRIMATE SUBSTANTIA NIGRA (0490)	97
- LOCAL FIELD POTENTIALS IN THE BASAL GANGLIA (0491)	98
withheld	
- VASOPRESSIN RECEPTORS AND SOCIAL ATTACHMENT (0290)	99
withheld	
- CONTE CENTER (0446)	100
- VA IPA CRUTCHER (0447)	101
- SENSITIVE MEMORY TESTS FOR DIFFERENTIATING MCI SUBGROUPS (0459)	102
<u>PSYCHOBIOLOGY</u>	
withheld	
- DEVELOPMENT OF REVERSIBLE INACTIVATION TECHNIQUE STUDY HIGHER COGNITIVE FUNCTION (0388)	103
- DEVELOPMENT OF MEDIAL TEMPORAL LOBE FUNCTIONS (0391)	104
- ORBITOFRONTAL-LIMBIC CIRCUIT: ONTOGENY AND EARLY DYSFUNCTION (0419)	105
- DEVELOPMENT BEHAVIORAL & NEUROPHYSIOLOGICAL MEASURES FOR EARLY AUTISM DIAGNOSIS (0426)	106
withheld	
- REACTIONS TO (IN) EQUALITY IN CAPUCHIN MONKEYS (0061)	107
- EVOLUTIONARY PERSPECTIVE ON EMPATHY (0063)	108
- SOCIAL LEARNING AND CULTURE IN CHIMPANZEES (0064)	109
withheld	
- CONTROLLED & AUTOMATIC COGNITION IN MONKEYS: DEVELOPMENT OF A NEW MODEL SYSTEM (0421)	110
withheld	
- NEUROBIOLOGY OF HEMISPHERIC SPECIALIZATION IN PRIMATES (0068)	111
- HEMISPHERIC SPECIALIZATION AND COMMUNICATION (0263)	112
withheld	
- DEVELOPMENT CONSEQUENCES OF INFANT ABUSE IN PRIMATES (0101)	113

RESEARCH SUBPROJECTS

PSYCHOBIOLOGY

withheld	
- BEHAVIORAL, PHYSIOLOGICAL & NEUROANATOMICAL CONSEQUENCES OF REPETITIVE (0395)	114
- BEHAVIORAL, PHYSIOLOGICAL & NEUROANATOMICAL CONSEQUENCES OF MATERNAL SEPARATION (0412)	115
- AN EXAMINATION OF THE EVOLUTIONARY SPECIALIZATIONS FOR AUDITORY MEMORY (0472)	116
withheld	
- COMPARING WHITE MATTER FIBER TRACTS IN HUMANS, APES & MONKEYS (0430)	117
- COMPARING RESTING BRAIN GLUCOSE METABOLISM IN MONKEYS, APES AND HUMANS (0431)	118
- COMPARATIVE STUDIES OF PRIMATE BRAIN ORGANIZATION USING MRI (0437)	119
withheld	
- EMORY CONTE CENTER FOR THE NEUROSCIENCE OF MENTAL DISORDERS: PRIMATE CORE (0077)	120
- EARLY EXPERIENCE, STRESS NEUROBIOLOGY AND PREVENTION SCI (0311)	121
withheld	
- BEHAVIORAL DEVELOPMENT PRENATAL HORMONAL INFLUENCES (0071)	122
- FEMALE SEXUALITY: MODULATION BY ESTROGEN AND ANDROGEN (0310)	123
withheld	
- BIOMARKERS CORE LAB (0360)	124
- ANTI CANCER MEDICATION AND EMOTIONAL WELL-BEING (0389)	127
- NEUROENDOCRINE MEDIATION OF SOCIALLY INDUCED ANOVULATION (0427)	128

RESEARCH RESOURCES

withheld	
- BEHAVIORAL MANAGEMENT OF NONHUMAN PRIMATES (0501)	129
withheld	
- ENHANCEMENT OF LUMBAR FUSION W/ RHBMP 2/ COLLAGEN OR LMP (0034)	130
withheld	
- SUGARS AS NOVEL CRYOPROTECTANTS FOR PRIMATE OOCYTES (0500)	131
withheld	
- MOLECULAR EVOLUTION OF MULTIPLY DELETED SIV IN VIVO (0297)	132

SENSORY MOTOR SYSTEMS

withheld	
- THE RELATIONSHIP BETWEEN NEARWORK AND MYOPIA (0479)	133
withheld	
- BINOCULAR COORDINATION OF EYE MOVEMENTS (0244)	134
withheld	
- STUDIES OF VISUAL PROCESSING & SMOOTH EYE MOVEMENTS (0093)	135
- NEURAL CONTROL OF VISUAL VESTIBULAR BEHAVIOR (0246)	136
withheld	
- REGULATION OF MOTOR FUNCTION IN PARKINSON'S DISEASE (0369)	137
- EFFECTS OF CE IN THE MPTP PRIMATE MODEL OF PARKINSON'S DISEASE (0370)	138
withheld	
- BASAL GANGLIA DISCHARGE PATTERNS IN PARKINSON'S DISEASE (0366)	139
- INFLUENCE OF SUBTHALAMIC NUCLEUS ON STRIATAL DOPAMINE (0368)	140
- FUNCTION OF DOPAMINE IN THE PRIMATE SUBSTANTIA NIGRA (0460)	141

RESEARCH SUBPROJECTS

SENSORY MOTOR SYSTEMS

- THERAPEUTIC BENEFIT STIMULATION OF SUBTHALAMIC NUCLEUS FOR PARKINSONS (0492) 142

VACCINE RESEARCH CENTER

withheld

- VACCINE INDUCED IMMUNITY IN THE YOUNG AND AGED (0349) 143
- SE REGIONAL CENTER FOR EXCELLENCE FOR EMERGING INFECTIONS & BIODEFENSE (0351) 144

withheld

- T CELL REPERTOIRES SPECIFIC FOR DEFINED VIRAL EPTOPES (0187) 145
- EVALUATION OF CELLULAR IMMUNITY INDUCED BY HIV VACCINES (0218) 146
- NIAID TETRAMER FACILITY (0243) 147

withheld

- IN SITU GENE-MODIFIED DCS FOR AN HIV-1 T CELL VACCINE (0409) 148

withheld

- ROLE OF VIV2 IN HIV TENASMISSION AND PATHOGENESIS (0405) 149

withheld

- CELLULAR IMMUNE RESPONSES IN AIDS PATHOGENESIS (0217) 150
- OPTIMIZE THE IMMUNOGENICITY OF MVA-BASED AIDS VACCINES (0410) 151

withheld

- MOLECULAR BASIS OF ANTIGENIC VARIATION ON MALARIA (0236) 152
- MOLECULAR ANALYSIS OF PLASMODIUM VIVAX SURFACE ANTIGENS (0270) 153
- PLASMODIUM VIVAX MSP-3 AND MSP-9 AS VACCINE IMMUNOGENS (0403) 154

withheld

- VIROLOGIC CORRELATES OF HETEROSEXUAL TRANSMISSION (0406) 155
- GENETICS OF PRIMATE 'D' TYPE RETROVIRUSES (0407) 156
- STRUCTURE/FUNCTION ANALYSIS OF THE HIV ENV GENE PRODUCT (0408) 157
- CTL AND HIV POLYMORPHISMS IN HETEROSEXUAL TRANSMISSION (0516) 158
- MOLECULAR ANALYSIS & MODELING OF HIV-1 TRANSMISSION, CONTAINMENT AND ESCAPE (0517) 159

withheld

- T CELL MEMORY (0448) 160
- NOVEL VLP VACCINES FOR PANDEMIC INFLUENZA VIRUS (0518) 161

withheld

- MICROSIMULATION OF ANTHRACIS-IMMUNE SYSTEM INTERACTION (0520) 162

withheld

- T LYMPHOCYTE, T CELL RECEPTOR, CELLULAR IMMUNITY, IMMUNOTHERAPY (0449) 163

withheld

- ANTHRAX VACCINE RESEARCH PROGRAM (0180) 164
- CD137 SIGNALS IN DC DURING AG-PRIMING INDUCES TOLERANCE (0451) 165

withheld

- NOVEL LINEAR PEPTIDE UNIVERSAL MALARIA VACCINES (0308) 166

withheld

- MODULATING IMMUNITY IN AGED MICE WITH DENDRITIC CELLS (0272) 167
- MICROBES, DENDRITIC CELL SUBSETS AND T-CELL IMMUNITY (0273) 168
- POLARIZING T CELL RESPONSES IN VIVO WITH DENDRITIC CELLS (0274) 169
- ANTHRAX TOXIN, DENDRITIC CELLS AND ADAPTIVE IMMUNITY (0411) 170

withheld

RESEARCH SUBPROJECTS

VACCINE RESEARCH CENTER

- STUDIES OF THE HIV ASSOCIATED CELL CYCLE DISEASE (0348) 171
- HOMEOSTASIS OF T CELLS IN PRIMATES (0350) 172
- withheld
- HOST SPECIFIC RESPONSES IN SIV-INDUCED HEMATOSUPPRESSION (0352) 173
- DEVELOPMENT OF A LOW INOCULUM SHIV CHALLENGE MODEL (0353) 174
- withheld
- EXPLORATORY CENTER FOR VACCINOLOGY RESEARCH (RMI) (0450) 175

PILOT SUBPROJECTS

CNTR BEHAV NEUROSCIENCE

- withheld
- TRANSLATIONAL RESEARCH ON EXTINCTION AND PTSD (0379) 177

MICROBIOLOGY & IMMUNOLOGY

- withheld
- CD40 LIGAND AS ADJUVANT FOR RAISING PROTECTIVE ANTI-HIV AB BY DNA/MVA VACCINES (0509) 178

NEUROSCIENCE

- withheld
- NEURONAL MECHANISMS OF MEMORY IN THE MEDIAL TEMPORAL LOBE (0433) 179

PSYCHOBIOLOGY

- withheld
- IMAGING MEDIAL TEMPORAL LOBE ACTIVITY - MEMORY & EMOTION IN AWAKE MONKEYS (0423) 180
- withheld
- MONKEY BEHAVIORAL EFFECTS IN A SEMI-NATURALISTIC ENVIRONMENT (0424) 181
- withheld
- EPISODIC MEMORY IN RHESUS MONKEYS SPATIAL & TEMPORAL CONTEXTS (0420) 182
- ETHOLOGICAL APPROACH TO COGNITION IN MONKEYS: INFERENCE OF SOCIAL RANK (0422) 183
- A NEUROETHOLOGICAL APPROACH TO MEMORY AND COGNITION IN MONKEYS (0471) 184
- withheld
- EFFECTS OF CRH OVER EXPRESSION ON REPRODUCTION (0465) 185
- withheld
- ESTROGEN DEPENDENT GENE REGULATION IN THE FEMALE (0466) 186
- BIOMARKERS OF BRAIN PATHOLOGY (0467) 187
- OXYTOCIN AND SOCIAL BEHAVIOR (0468) 188
- DEVELOPING A MODEL OF STRESS-INDUCED OBESITY (0469) 189

- withheld
- AMYGDALA-ORBITAL FRONTAL INTERACTION AND REWARD EXPECTANCY (0425) 190

SENSORY MOTOR SYSTEMS

- withheld
- EFFECTS OF VIEWING DISTANCE ON EYE GROWTH & REFRACTIVE DEVELOPMENT (0322) 191
- withheld
- LAMINAR-SPECIFIC NEURAL MECHANISMS FOR MEMORY IN THE ENTORHINAL CORTEX (0432) 192

COLLABORATIVE SUBPROJECTS

ANIMAL RESOURCES

withheld

COLLABORATIVE SUBPROJECTS

ANIMAL RESOURCES

- GENETIC AND VIRAL STATUS OF THE SOOTY MANGABEY IN THE IVORY COAST TAI FOREST (0401) 194

withheld

- CONSTRUCTION OF A CHIMPANZEE GENETIC MAP FOR CHROMOSOME 20 (0387) 195

CNTR BEHAV NEUROSCIENCE

withheld

- COLLABORATIVE MOOD DISORDERS INITIATIVE (0378) 196

PSYCHOBIOLOGY

withheld

- RESTING STATE FUNCTIONAL CONNECTIVITY IN CHIMPANZEES (0470) 197

RESEARCH RESOURCES

withheld

- INDUCTION OF PLASMODIUM INFECTIONS TO SUPPORT MALARIA VACCINE STUDIES (0078) 198

withheld

- EXPERIMENTAL INOCULATION OF MACAQUES WITH ROTAVIRUS (0383) 199

withheld

- CELLULAR IMMUNE RESPONSES IN SIV INFECTED SOOTY MANGABEYS (0209) 200

withheld

- INFANT IMMUNOPROPHYLAXIS AGAINST A PRIMATE LENTIVIRUS (0296) 201
- VACCINATION AGAINST INTRAPARTUM HIV-1 CLADE C TRANSMISSION (0298) 202
- MECHANISMS OF ORAL SIV TRANSMISSION (0299) 203
- ATTENUATED RECOMBINANT LISTERIA AS ORAL AIDS VACCINE (0344) 204
- SHIV TRANSMISSION THROUGH ORAL VS. OTHER MUCOSAE (0386) 205

withheld

- SENSITIVITY TO LISTERIOSIS IN ELDERLY RHESUS MONKEYS (0457) 206

withheld

- IMMUNE RECONSTITUTION IN SIV INFECTED MACAQUES (0494) 207
- VIRAL CYTOPATHICITY IN CD4-LOW SIV PASSAGED MANGABEYS (0502) 208

SENSORY MOTOR SYSTEMS

withheld

- EARLY FUNCTIONAL & STRUCTURAL REPAIR IN MACAQUE STRABISMUS (0089) 209

VACCINE RESEARCH CENTER

withheld

- MECHANISMS OF ERYTHROCYTIC INFECTIONS AND ANEMIA: NHP MODEL MALARIAL ANEMIA (0444) 210

RESEARCH SERVICES	211
PUBLISHED: ABSTRACTS, BOOKS & JOURNALS	212
IN PRESS: ABSTRACTS, BOOKS & JOURNALS	232
SOURCE OF INVESTIGATORS' SUPPORT	235
RESOURCE SUMMARY: SUBPROJECTS	243
RESOURCE SUMMARY: ADMINISTRATIVE	244
RESOURCE SUMMARY: PUBLICATION/SUPPORT	245
COLONY STATISTICS	247

RESEARCH HIGHLIGHTS

249

ADMINISTRATIVE INFORMATION

257

PERSONNEL ROSTER

Core Doctoral Scientists

Name, Degree	Department	Non-Host Institution: State, Country
withheld		

Affiliated

Name, Degree	Department	Non-Host Institution: State, Country
withheld		

GA STATE UNIVERSITY: GA, USA

Proprietary Info

TULANE PRIMATE CENTER: LA, USA

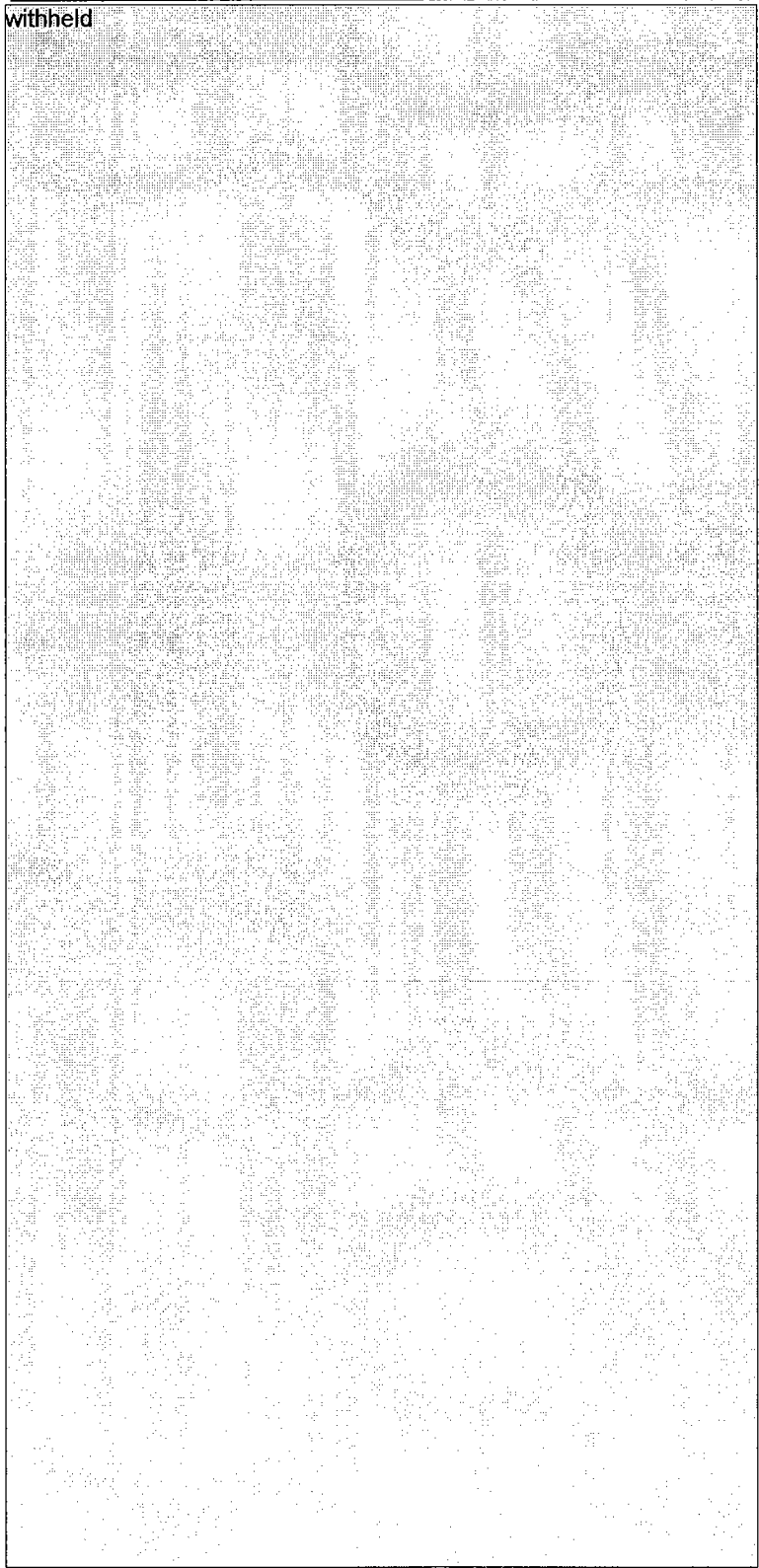
Affiliated

Name, Degree

Department

Non-Host Institution: State, Country

withheld

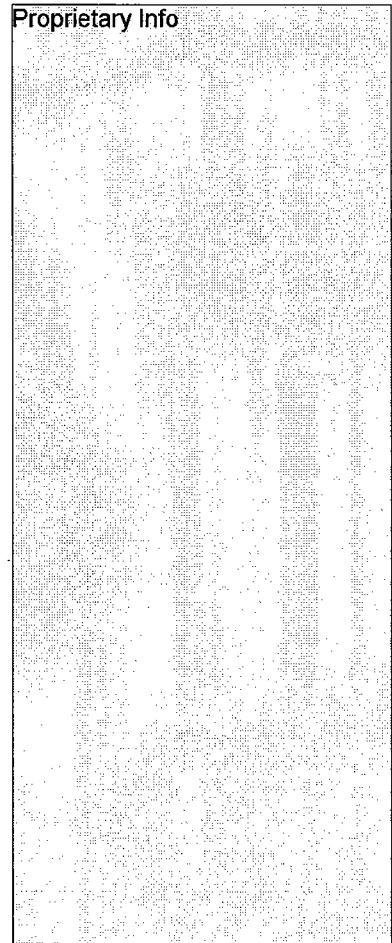


Proprietary Info

CDC: GA, USA

GA STATE UNIVERSITY: GA, USA

Proprietary Info



GA STATE UNIVERSITY: GA, USA

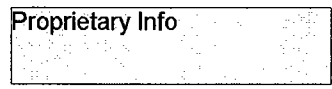
VA MEDICAL CENTER / COLLEGE OF
PHARMACY: GA, USA

Proprietary Info



CENTERS FOR DISEASE CONTROL:
GA, USA

Proprietary Info



WASHINGTON NPRC: WA, USA

Affiliated

Name, Degree

Department

Non-Host Institution: State, Country

withheld

UNIVERSITY OF MA: MA, USA

Proprietary Info

MEDICAL COLLEGE OF GA: GA, USA

Proprietary Info

VA HOSPITAL: GA, USA

UNIVERSITY OF TEXAS AT AUSTIN:

TX, USA

UNIVERSITY OF ATHENS: GA, USA

Proprietary Info

OHIO STATE UNIVERSITY: OH, USA

UNIVERSITY OF TEXAS: TX, USA

UNIVERSITY OF MA MEDICAL
SCHOOL: MA, USA

WASHINGTON UNIVERSITY: WA,
USA

CENTERS FOR DISEASE CONTROL:
GA, USA

Proprietary Info

Affiliated

Name, Degree	Department	Non-Host Institution: State, Country
withheld		UCLA SCHOOL OF MEDICINE: CA, USA
		NCID / CDC: GA, USA
		Proprietary Info
		UNIVERSITY OF ALABAMA: AL, USA
		Proprietary Info
		MEDICAL COLLEGE OF GA: GA, USA UNIVERSITY OF UTAH: UT, USA
		Proprietary Info
		GA STATE UNIVERSITY: GA, USA
		Proprietary Info

Affiliated

Name, Degree	Department	Non-Host Institution: State, Country
withheld		CENTERS FOR DISEASE CONTROL: GA, USA
		Proprietary Info
		UNIVERSITY OF TEXAS: TX, USA
		Proprietary Info
		NE REGIONAL PRIMATE RESEARCH CENTER: MA, USA
		Proprietary Info
		WEBER STATE UNIVERSITY: UT, USA
		Proprietary Info
		GA INSTITUTE OF TECHNOLOGY: GA, USA FLORIDA INTERNATIONAL UNIVERSITY: FL, USA

