

# The Trans- NIH working group Chronic Fatigue Syndrome 2005 - 1999 grant award information

<http://orwh.od.nih.gov/cfs/fundedresearch.html>

On the web site, grants appear as abstracts. Peer Review Internal Review Groups are not listed. In March of 2004 at the Chronic Fatigue Syndrome Advisory Council, I asked if all CFS grant proposals are reviewed by the Chronic Fatigue Syndrome Special Emphasis Panel (CFS SEP) (ZRG1&5). The response was YES. However, the web page shows that is not the case. In fact, please note that in some years, more funded grants appear in the NON CFS SEP list than on the CFS SEP list. **All grant numbers, titles, and researcher names appear as is on the web site.** I have information from the FOIA request, CRISP and past reports to divide the grants by CFS SEP or non CFS SEP.

## KEY

**BLACK INDICATES funded studies reviewed by the CFS SEP (ZRG1 and 5) awards**

**Gray indicates funded CFS studies not reviewed by CFS SEP**

**Grant numbers: The first number indicates what type of grant was funded.**

Type 1 – New grant – requires peer review

Type 2 - Competing continuation (a.k.a. renewal, recompeting application) - requires peer review

Type 3 - Application for additional (supplemental) support – may or may not require peer review

Type 4 - Application for additional support beyond that previously recommended - may or may not require peer review

Type 5 - Noncompeting continuation – does not require peer review

Type 7 - Change of grantee institution - does not require peer review

## 2005

ZGR1 = CFS SEP

1 new, 8 non competing renewals = 9

<u>GRANT #</u>	<u>Grant name</u>	<u>Researcher</u>
1R01AI055735-01A2	Risk Factors Associated with CFS and CF Prognosis 05 – 08	JASON, LEONARD
5R01AI056014-02	Microarrays & Proteomics in MZ Twins Discordant for CFS	SULLIVAN, PATRICK F
5R01NS038767-05	Mechanism of Pain in Patients with Fibromyalgia Syndrome	STAUD, ROLAND M.
5R01AI054478-03	Sleep and Cytokines in Chronic Fatigue Syndrome	NATELSON, BENJAMIN H.
5R01HD043301-03	Chronic Fatigue Syndrome in Adolescents	TAYLOR, RENEE R
5R01HL059459-07	ORTHOSTATIC INTOLERANCE IN CFS	FREEMAN, ROY
5R01AI042403-07	Mechanisms of Rhinitis in CFS	BARANIUK, JAMES N.
5K23MH001961-05	Psychiatric Comorbidity in Chronic Fatigue Syndrome	FRIEDBERG, FRED
5R01AR047678-04	Are Fibromyalgia and Chiari I Malformation Related?	BUCHWALD, DEDRA S.

## 2005

NON CFS SEP

2 new, 5 non competing renewals = 7

GRANT #	Grant name	Researcher
1Z01HD008769-02	Neural Immune Mechanisms and Genetic Influences on Chronic pelvic pain	STRATTON, PAMELA
1M01RR020359-010020	Rhinitis In Chronic Fatigue Syndrome	BARANIUK, JAMES
5M01RR000425-360789	Psychoimmunological&Neuroendocrinological Response Of Chronic Fatigue	LIN, KEH
5P01AI055789-020003	Neurodegenerative Effects of Botulinum Toxins 2005	LIPTON, STUART
5R01AI051270-05	Viral dsRNA as a Mediator of Chronic Muscle Diseases	TAM, PATRICIA E.
5R01MH023433-32	Neural Substrates of Arousal and Emotion	JACOBS, BARRY L
7R01MH067651-04	Neural Circuitry Underlying Chronic Stress Effects	BHATNAGAR, SEEMA

## 2004

ZRG1 = CFS SEP

1 new, 2 competing renewals, 1 app additional \$\$, 12 non competing renewals = 16

GRANT #	Grant name	Researcher
1R01AI056014-01A1	Microarrays & Proteomics in MZ Twins Discordant for CFS	SULLIVAN, PATRICK F
2R01NS038767-04A2	Mechanism of Pain in Patients with Fibromyalgia Syndrome	STAUD, ROLAND M.
2R01AI054478-02	Sleep and Cytokines in Chronic Fatigue Syndrome	NATELSON, BENJAMIN H.
3P41RR002305-20S10099	CHRONIC FATIGUE SYNDROME	MCCULLY, KEVIN K.
5R01AR046303-06	Sex Hormones, Stress, And Pain In Fibromyalgia	OKIFUJI, AKIKO
5R01HD043301-02	Chronic Fatigue Syndrome in Adolescents	TAYLOR, RENEE R
5R01HL059459-06	ORTHOSTATIC INTOLERANCE IN CFS	FREEMAN, ROY
5R01NS041483-03	A Twin Study of Chronic Fatigue Syndrome in Sweden	PEDERSEN, NANCY L.
5M01RR002635-200504	Regulation Of Adrenal Function In Fibromyalgia	ADLER, GAIL K.
5R01HL065179-04	MUSCLE BLOOD FLOW AND CFS	MCCULLY, KEVIN K.???
5R01HL065668-04	Rbc Mass, Ans Integrity & Syncope Susceptibility In Cfs	HURWITZ, BARRY E.
5R01HL066007-04	Circulatory Dysfunction in Chronic Fatigue Syndrome	STEWART, JULIAN M.
5R01AI042403-07	Mechanisms of Rhinitis in CFS	BARANIUK, JAMES N.
5R01AI049720-05	Activity Intervention For Chronic Fatigue Syndrome	JASON, LEONARD
5K23MH001961-04	Psychiatric Comorbidity in Chronic Fatigue Syndrome	FRIEDBERG, FRED
5R01AR047678-03	Are Fibromyalgia and Chiari I Malformation Related?	BUCHWALD, DEDRA S.

## 2004

NON CFS SEP

4 new, 9 non competing renewals = 13

GRANT #	Grant name	Researcher
1Z01HD008769-01	Chronic Pelvic Pain: Genetics/Neural Immune Mechanisms	STRATTON, PAMELA
1R13NS047105-01	International Symposium on Motor Control Using TMS	HORTOBAGYI, TIBOR
1Z01AR041138-02	Pathogenesis and treatment studies in patients with NOMI	LIPSKY, PETER E.
1P50ES012740-01	Pacific Research Center for Marine Biomedicine	LAWS, EDWARD A.
5U19AI038429-070007	Effect of Parental Chronic Fatigue Syndrome on Offspring	SMITH, MARK H.
5R01MH067651-02	Neural Circuitry Underlying Chronic Stress Effects	BHATNAGAR, SEEMA
5M01RR000042-441413	Subject Registry: Interdisciplinary Studies of Chronic Multi-Symptom Illnesses	WILLIAMS, DAVID A.
5R01NR008150-03	Maximizing Beneficial Exercise Effects in Fibromyalgia.	JONES, KIM D.
5P20RR011145-100002	Use of viagra to Alter Symptoms in Pts with CFS	FRIEDMAN, THEODORE C.
5M01RR000039-440620	Effects of Corticotropin-Releasing Hormone Infusion	PAPANICOLAOU, DIMITRIS
5M01RR000052-430836	Disordered Responses to Orthostatic Stress in. .. Gulf War Syndrome Symptoms	ROWE, PETER C.
5R01AI051270-04	Viral dsRNA as a Mediator of Chronic Muscle Diseases	TAM, PATRICIA E.
5R01MH023433-31	Neural Substrates of Arousal and Emotion	JACOBS, BARRY L.
( shows as funded 1976 – 2006 )		

## 2003

ZRG1 CFS SEP

3 new, 1 competing renewal, 8 non competing renewals = 12

GRANT #	Grant name	Researcher
1R21AI054478-01	Sleep and Cytokines in Chronic Fatigue Syndrome	NATELSON, BENJAMIN H
1U13AR050277-01	Role of Fatigue in Rheumatic Diseases	LANGE, GUDRUN
1R01HD043301-01A1	Chronic Fatigue Syndrome in Adolescents	TAYLOR, RENEE R
2R01HL059459-05A1	ORTHOSTATIC INTOLERANCE IN CFS	FREEMAN, ROY
5R01NS041483-03	A Twin Study of Chronic Fatigue Syndrome in Sweden	PEDERSEN, NANCY L.
5M01RR002635-200504	Regulation Of Adrenal Function In Fibromyalgia	ADLER, GAIL K.
5R01HL065668-04	Rbc Mass, Ans Integrity & Syncope Susceptibility In Cfs	HURWITZ, BARRY E.
5R01HL066007-03	Circulatory Dysfunction in Chronic Fatigue Syndrome	STEWART, JULIAN M.
5R01AI042403-06	Mechanisms of Rhinitis in CFS	BARANIUK, JAMES N.
5R01AI049720-04	Activity Intervention For Chronic Fatigue Syndrome	JASON, LEONARD
5K23MH001961-03	Psychiatric Comorbidity in Chronic Fatigue Syndrome	FRIEDBERG, FRED
5R01AR047678-03	Are Fibromyalgia and Chiari I Malformation Related?	BUCHWALD, DEDRA S.

## 2003

**Non CFS SEP 1 new, 1 competing renewal, 7 non competing renewals= 9**

<b>GRANT #</b>	<b>Grant name</b>	<b>Researcher</b>
1Z01NS002979-05	Clinical Neurocardiology: Catecholamine In Stress & Disease	GOLDSTEIN, DAVID S
2R01HL055591-06	Molecular Basis for Protein-Phospholipid Interaction	LOMASNEY, JON W.
5R01HL067422-02	Skin Cooling to Improve Orthostatic Tolerance	CRANDALL, CRAIG G.
5R01HL070215-02	Endothelial Cell Dysfunction in Oxidative Stress Models	CALDWELL, ROBERT W.
5R01AI051270-02	Viral dsRNA as a Mediator of Chronic Muscle Diseases	TAM, PATRICIA E.
5R01NS040098-03	Pathophysiology of Neuroimmune Communication	QUAN, NING
5R01HL045462-14	Transcriptional Regulation of E-Selectin	COLLINS, TUCKER O.
5R01HL054926-06	Reactive Species in Vascular Disease-Injury Mechanisms	ISCHIROPOULOS, HARRY
5R01HL056850-07	Mechanisms By Which Igf-I Stimulates Smooth Muscle Cells	CLEMMONS, DAVID R.

(11 grants listed as multiple year in 2002, do not appear in 2003 as renewals. Some are CFS research centers, others not???)



The charts below include the CFS collaborative research centers operating until further center funding was cut on May 30, 2002 by the 141st meeting of the National Advisory Allergy and Infectious Diseases Council (NAAIDC) National Institutes of Health. Dr. Anthony S. Fauci, Director of the National Institute of Allergy and Infectious Diseases (NIAID), presided as Chairman.

## 2002

**ZRG1 CFS SEP 1 new, 7 non competing renewals = 8**

<b>GRANT #</b>	<b>Grant name</b>	<b>Researcher</b>
1R01AR047678-01A1	Are Fibromyalgia and Chiari I Malformation Related?	BUCHWALD, DEDRA S.
5M01RR002635-200504	Regulation Of Adrenal Function In Fibromyalgia	ADLER, GAIL K.
5R01HL065179-04	MUSCLE BLOOD FLOW AND CFS	MCCULLY, KEVIN K.
5R01HL065668-03	Rbc Mass, Ans Integrity & Syncope Susceptibility In Cfs	HURWITZ, BARRY E.
5R01HL066007-02	Circulatory Dysfunction in Chronic Fatigue Syndrome	STEWART, JULIAN M.
5R01AI042403-06	Mechanisms of Rhinitis in CFS	BARANIUK, JAMES N.
5R01AI049720-03	Activity Intervention For Chronic Fatigue Syndrome	JASON, LEONARD
5K23MH001961-02	Psychiatric Comorbidity in Chronic Fatigue Syndrome	FRIEDBERG, FRED

## 2002

NON CFS SEP

3 new, 4 competing renewals, 1 app additional \$\$, 20 non competing renewals = 28

GRANT #	Grant name	Researcher
1R01HL067422-01A1	Skin Cooling to Improve Orthostatic Tolerance	CRANDALL, CRAIG G.
1R01HL070215-01	Endothelial Cell Dysfunction in Oxidative Stress Models	CALDWELL, ROBERT W.
1R01AI051270-01	Viral dsRNA as a Mediator of Chronic Muscle Diseases	TAM, PATRICIA E.
2R01HL045462-13	Transcriptional Regulation of E-Selectin	COLLINS, TUCKER O.
2R01HL054926-05A1	Reactive Species in Vascular Disease-Injury Mechanisms	ISCHIROPOULOS, HARRY
2R01HL055591-06	Molecular Basis for Protein-Phospholipid Interaction	LOMASNEY, JON W.
2R01HL056850-06	Mechanisms By Which Igf-I Stimulates Smooth Muscle Cells	CLEMMONS, DAVID R.
3P60DE013079-03S1	COMPREHENSIVE CENTER FOR INFLAMMATORY DISORDERS	FLOOD, PATRICK M.
5P60DE013079-04	COMPREHENSIVE CENTER FOR INFLAMMATORY DISORDERS	FLOOD, PATRICK M.
5U01AI032247-120006	Brain and Cardiovascular Studies	NATELSON, BENJAMIN H.
5U01AI032247-120007	Physiological Challenges in CFS	LA MANCA, JOHN
5U01AI032247-12	RENEWAL OF THE NEW JERSEY CFS CRC	NATELSON, BENJAMIN H.
5U19AI038429-080005	MONOZYGOTIC TWINS WITH CFS--PREDISPOSITION OR PERCEPTION?	BUCHWALD, DEDRA S.
5U19AI038429-080007	CHILDREN OF CHRONIC FATIGUE SYNDROME PATIENTS	SMITH, MARK
5U19AI038429-089002	CORE--CLINICAL FACILITY	BUCHWALD, DEDRA S.
5U19AI038429-089001	CORE--BIostatistical AND DATA MANAGEMENT FACILITY	ZEH, JUDITH
5U01AI045940-040002	COGNITIVE BEHAVIORAL STRESS MANAGEMENT INTERVENTION FOR CFS	ANTONI, MICHAEL H.
5U01AI045940-040004	EFFECT OF STRESS AND CBSM ON NATURAL KILLER CELL ACTIVITY IN CFS	FLETCHER, MARY A.
5U01AI045940-049003	CORE--LABORATORY FACILITY	FLETCHER, MARY A.
5M01RR000042-421009	HPA AXIS DYSREGULATION IN FIBROMYALGIA	CROFFORD, LESLIE J.
5P60DE013079-040008	STRESS, ADRENERGIC AND INFLAMMATORY FACTORS IN 4 DISORDERS	LIGHT, KATHLEEN C.
5M01RR000052-410751	TRIAL OF FLUDROCORTISONE FOR CHRONIC FATIGUE SYNDROME	ROWE, PETER C.
5P41RR002305-190029	Phosphocreatine Recovery In Women W/ Chronic Fatigue Syndrome	MCCULLY, KEVIN
5M01RR000032-420582	Pain Perception And Health Care Seeking Behavior In Fibromyalgia	BRADLEY, LAURENCE A.
5R01HL067604-03	Responsiveness Of The Aging Circadian Clock To Light	BENLOUCIF, SUSAN J.
5M01RR000645-310940	Neurally Mediated Syncope And Salt Intake Levels	BLOOMFIELD, DANIEL M.
5R01HL063423-04	Aldosterone--A Cardiovascular Risk Factor	ADLER, GAIL K.
5R01AR046049-04	Chronic Low Back Pain As A Model Of Fibromyalgia	CLAUW, DANIEL J.

## 2001

**ZRG1 & 5 CFS SEP****4 new, 1 competing renewal, 8 non competing renewals = 13**

<b>GRANT #</b>	<b>Grant name</b>	<b>Researcher</b>
1R01HL066007-01A1 02	Circulatory Dysfunction in Chronic Fatigue Syndrome	STEWART, JULIAN M.
1K23MH001961-01A1 02	Psychiatric Comorbidity in Chronic Fatigue Syndrome	FRIEDBERG, FRED
1R01NS041483-01	A Twin Study of Chronic Fatigue Syndrome in Sweden	PEDERSEN, NANCY L.
1R01AR047678-01A1	Are Fibromyalgia and Chiari I Malformation Related?	BUCHWALD, DEDRA S.
2R01AI042403-04A1 02	Mechanisms of Rhinitis in CFS	BARANIUK, JAMES N.
5R01HL065668-02	Rbc Mass, Ans Integrity & Syncope Susceptibility In Cfs	HURWITZ, BARRY E.
5R01NS038337-03	Motor Learning In Cfs--Neural Dysfunction Implication	SERVATIUS, RICHARD
5R01HL065179-03	Muscle Blood Flow And Cfs	MCCULLY, KEVIN K.
5R03AI045954-03	Venous Dysfunction In Chronic Fatigue Syndrome	STEWART, JULIAN M.
5R01AI049720-02	Activity Intervention For Chronic Fatigue Syndrome	JASON, LEONARD
5R01HL059459-04	Orthostatic Intolerance In Cfs	FREEMAN, ROY
5R01AI035110-07	Mechanisms Of Immunologically Mediated Fatigue	PETERSON, PHILIP K.
5R01MH057272-03	Auditory Working Memory In Cfs--An Fmri Study	LANGE, GUDRUN

**2001****Non CFS SEP****2 new, 1 app additional \$\$, 16 non competing renewals = 19**

<b>GRANT #</b>	<b>Grant name</b>	<b>Researcher</b>
1R01NS040098-01A2	Pathophysiology of Neuroimmune Communication	QUAN, NING
1Z01NS002979-03	Clinical Neurocardiology: Catecholamine Systems In Stress	GOLDSTEIN, DAVID
3M01RR000645-30S10867	Clinical Benefit Of Midodrine Hcl In Patients W/ Neurogenic Orthostatic H	BLOOMFIELD, DANIEL
5P60DE013079-03	Comprehensive Center For Inflammatory Disorders	FLOOD, PATRICK
5U01AI032247-110006	Brain and Cardiovascular Studies	NATELSON, BENJAMIN H.
5U01AI032247-110007	Physiological Challenges in CFS	LA MANCA, JOHN
5U01AI032247-119003	Core--Patient Accrual and Data Analysis Facility	NATELSON, BENJAMIN H.
5U19AI038429-070005	Monozygotic Twins With CFS--Predisposition Or Perception?	BUCHWALD, DEDRA S.
5U19AI038429-070006	Population Based Twin Study Of Chronic Fatigue Syndrome	SULLIVAN, PATRICK F.
5U19AI038429-070007	Children Of Chronic Fatigue Syndrome Patients	SMITH, MARK
5U19AI038429-079002	Core--Clinical Facility	BUCHWALD, DEDRA S.

<b>GRANT #</b>	<b>Grant name</b>	<b>Researcher</b>
5U19AI038429-079001	Core--Biostatistical And Data Management Facility	ZEH, JUDITH

5U01AI045940-030002	Cognitive Behavioral Stress Management Intervention For CfS	ANTONI, MICHAEL
5U01AI045940-030004	Effect Of Stress And Cbsm On Natural Killer Cell Activity In Cfs	FLETCHER, MARY A.
5U01AI045940-039003	Core--Laboratory Facility	FLETCHER, MARY A.
5M01RR000051-401090	Model For Induction Of Chronic Fatigue Study	JONES, JIM
5M01RR010710-040029	Chronic Fatigue In Post Lyme Disease	KRUPP, LAUREN
7R01HL060165-03	Her Receptor Family, Heregulin And Lung Development	KERN, JEFFREY A.
5R01DE011972-05	Neuroendocrinology Of Masticatory Muscle Disorders	YOUNG, ELIZABETH ANN.

## 2000

ZRG1 & 5 CFS SEP      3 new, 4 non competing renewals = 7

GRANT #	Grant name	Researcher
1R01HL065668-01	Rbc Mass, Ans Integrity & Syncope Susceptibility In Cfs	HURWITZ, BARRY E
1Z01NS002979-02	Clinical Neurocardiology: Catecholamine Systems in Stress and Disease	GOLDSTEIN, DAVID
1R01AI049720-01	Activity Intervention For Chronic Fatigue Syndrome	JASON, LEONARD
5R01HL059459-03	Orthostatic Intolerance In CFS	FREEMAN, ROY
5R03AI045954-02	Venous Dysfunction In Chronic Fatigue Syndrome	STEWART, JULIAN M.
5R03AI045982-02	Siberian Ginseng For The Treatment Of Chronic Fatigue	HARTZ, ARTHUR
5R01HL065179-02	Muscle Blood Flow And Cfs	MCCULLY, KEVIN K.

## 2000

Non SEP      1 new, 2 competing renewals, 2 app additional \$\$, 19 non competing renewals = 24

GRANT #	Grant name	Researcher
1Z01AI000812-04	Fludrocortisone For Individuals With CFS And Hypotension	STRAUS, STEPHEN
2M01RR010732-060186	Nasal Steroids & Chronic Fatigue Syndrome Induced Sleep Disturbance	CRAIG, TIMOTHY J.
2M01RR000052-390751	Trial of Fludrocortisone For Chronic Fatigue Syndrome	ROWE, PETER C
3P60DE013079-01S1	Comprehensive Center For Inflammatory Disorders	FLOOD, PATRICK
3N01AI015131-020	Coord Ctr For Clin & Epidem Stdys In Infec Diseases	KLEIN, HUGH
5R01HL062385-03	Circulatory Control In Young People With Chronic Fatigue	SAUL, J P
5M01RR000046-401141	Stress, Adrenergic & Inflammatory Factors In Ra, Cfs	LIGHT, KATHLEEN C.
5U01AI032247-100006	Brain and Cardiovascular Studies	NATELSON, BENJAMIN H.
5U01AI032247-100007	Physiological Challenges in CFS	LA MANCA, JOHN
5U01AI032247-109003	Core--Patient Accrual and Data Analysis Facility	NATELSON, BENJAMIN H.
5U19AI038429-060006	Population Based Twin Study Of Chronic Fatigue Syndrome	SULLIVAN, PATRICK F.

5R01AI040990-03	Model For Induction Of Cfs	JONES, JAMES F
5U01AI045940-020002	Cognitive Behavioral Stress Management Intervention For Cfs	ANTONI, MICHAEL H
5U01AI045940-020004	Effect Of Stress And Cbsm On Natural Killer Cell Activity In Cfs	FLETCHER, MARY A.
5P50CA084944-029002	Core--Biological assessment laboratory	FLETCHER, MARY A.
5R01AI035110-06	Mechanisms Of Immunologically Mediated Fatigue	PETERSON, PHILIP K.
5U19AI038429-069002	Core--Clinical Facility	BUCHWALD, DEDRA S.
5U19AI038429-060005	Monozygotic Twins With CFS--Predisposition Or Perception?	BUCHWALD, DEDRA S.
5U19AI038429-060007	Children Of Chronic Fatigue Syndrome Patients	SMITH, MARK
5U19AI038429-069001	Facility Core--Biostatistical And Data Management	ZEH, JUDITH
5R01AI041033-04	Autoantibodies To Cellular Matrix Antigens In Cfs	TAN, ENG M.
5R01MH057272-02	Auditory Working Memory In Cfs--An Fmri Study	LANGE, GUDRUN
5R01AR043148-06	Hpa Axis Dysregulation In Fibromyalgia	CROFFORD, LESLIE
5M01RR010710-030029	Chronic Fatigue In Post Lyme Disease	KRUPP, LAUREN

## 1999

ZRG1 & 5 CFS SEP      5 new, 9 non competing renewals = 14

GRANT #	Grant name	Researcher
1R01HL065179-01	Muscle Blood Flow And Chronic Fatigue syndrome	MCCULLY, KEVIN K.
1R01NS038337-01A	Motor Learning In Cfs--Neural Dysfunction Implication	SERVATIUS, RICHARD J.
1R03AI045954-01	Venous Dysfunction In Chronic Fatigue Syndrome	STEWART, JULIAN M.
1R03AI045982-01	Siberian Ginseng For The Treatment Of Chronic Fatigue	HARTZ, ARTHUR J.
1R01MH057272-01A1	Auditory Working Memory In Cfs--An Fmri Study	LANGE, GUDRUN
5R01HL059459-02	Orthostatic Intolerance In Cfs	FREEMAN, ROY
5R01AI036295-05	Estimating Rates Of Cfs In A Community Sample	JASON, LEONARD
5R01HL062385-02	Circulatory Control In Young People With Chronic Fatigue	SAUL, J P.
5R01AI034250-06	Motor Control In Chronic Fatigue Syndrome	STARR, ARNOLD
5R01AI035110-05	Mechanisms Of Immunologically Mediated Fatigue	PETERSON, PHILIP K.
5R01AI040990-02	Model For Induction Of CfS	JONES, JAMES F
5R01AI038378-03	Dysregulated 2-5a Synthetase/Rnase L/Pkr Pathways In Cfs	SUHADOLNIK, ROBERT J.
5R01AI041033-03	Autoantibodies To Cellular Matrix Antigens In Cfs	TAN, ENG M
5R01AI042403-03	Mechanisms Of Rhinitis In Cfs	BARANIUK, JAMES N.

## 1999

**NON CFS SEP****5 new, 8 competing renewals, 2 app additional \$\$, 4 non competing renewals = 19**

<b>GRANT #</b>	<b>Grant name</b>	<b>Researcher</b>
1U01AI045940-010002	Cognitive Behavioral Stress Management Intervention For Cfs	ANTONI, MICHAEL H.
1U01AI045940-010004	Effect Of Stress And Cbsm On Natural Killer Cell Activity In Cfs	FLETCHER, MARY A.
1U01AI045940-019003	Core--Laboratory Facility	FLETCHER, MARY
1Z01A1000812-03	Fludrocortisone For Individuals With CFS And Hypotension	STRAUS, STEPHEN E.
1Z01MH002659-07	The Neurobiology Of Major Depression	GOLD, PHILIP W.
2U01AI032247-090006	Brain and Cardiovascular Studies	NATELSON, BENJAMIN H.
2U01AI032247-090007	Physiological Challenges in CFS	LA MANCA, JOHN
2U01AI032247-099003	Core--Patient Accrual and Data Analysis Facility	NATELSON, BENJAMIN H.
2U19AI038429-050005	Monozygotic Twins With CFS--Predisposition Or Perception?	BUCHWALD, DEDRA S.
2U19AI038429-059002	Core--Clinical Facility	BUCHWALD, DEDRA S.
2U19AI038429-050006	Population Based Twin Study Of Chronic Fatigue Syndrome	SULLIVAN, PATRICK F.
2U19AI038429-050007	Children Of Chronic Fatigue Syndrome Patients	SMITH, MARK
2U19AI038429-059001	Core--Biostatistical And Data Management	ZEH, JUDITH
3M01RR000046-39S21069	Mitochondria In Chronic Fatigue Syndrome Pathophysiology	CHAZOTTE, BRAD J.
3M01RR000042-39S11009	Hpa Axis Dysregulation In Fibromyalgia	CROFFORD, LESLIE J
5R01MH047193-10	Research Center On The Psychobiology Of Ethnicity	LIN, KEH-MING
5M01RR000040-390711	Evaluation Of Muscle Function In Persian Gulf Veterans	VANDENBORNE, KRISTA
5M01RR000051-381090	Model For Induction Of Chronic Fatigue Study	JONES, JIM
5M01RR000425-300573	Exercise Intolerance In Chronic Fatigue Syndrome	SIETSEMA, KATHY E.