

**THE
SDSU
McNAIR
JOURNAL**

SAN DIEGO STATE UNIVERSITY
Summer 1999 • Volume VI



The SDSU McNair Journal

Summer 1999

Volume Six

Table of Contents

McNair Scholars Staff.....	ii
McNair Scholars Mentors	iii
SDSU McNair Advisory Committee.....	iv
Foreword	v
Notes From the Past Director	vi
Notes From the Director.....	vii
Introduction.....	xi

Biology

The Function and Mechanism of the Contractile Vacuole

Yolanda Cisneros	1
------------------------	---

Phylogeography of *Elgaria Multicarinata*

Allan E. Hebbert.....	6
-----------------------	---

Localization of pEGFP- α B-Crystallin in Neonatal Ventricular Myocytes

Jessica Hernandez	14
-------------------------	----

Attaching a Molecular Tag to the Gamma Subunit of a G-Protein

Cynthia Ann Lehman.....	19
-------------------------	----

The Cardiodepressive Effects of Lipopolysaccharide and E5531: A Tool for Inhibition

Antoinette Linton.....	23
------------------------	----

MKK6 and p38 Mediate Interleukin-6 Gene Expression Via NF κ B in Cardiac Myocytes

Amy M. Mingo.....	29
-------------------	----

Isolation of Purified fos Protein for DNA Binding Studies

Lateefah Spires-Madyun.....	34
-----------------------------	----

Computer Science

Schizophrenia Patients With Tardive Dyskinesia: An EMG Study
Cesar Sandoval39

Exercise and Nutrition

Assessment of Nutrition and Self-Efficacy in Mexican American Cancer Patients
Virginia Chaidez47

Health Care Access of Mexican American Children: Barriers and Challenges
Jeanett Kourda56

Kinesiology

High Frequency (17hz-33hz) of Tibialis Anterior EMG During Two-Footed Landing
Gilbert Pangilinan, et al.64

Psychology

Validation of the MMPI-2 Masculinity-Femininity Scale With Latino Men and Women: Preliminary Findings
Ulla Anderson.....70

The Role of Ethnicity in Children's Attitudes Toward People With Mental Illness
Keyondria D. Bunch.....78

Violence and Acculturation Among Hispanic American Youth
Patricia Celaya.....83

The Relationship of Perceived Discrimination to Self-Esteem in Four Ethnic Groups
Sandra Contreras94

Mothers' Health Locus of Control Beliefs as Related to Those of Their Children: Ethnicity, Age, and Gender Differences
Mayela Daza.....100

The Mediating Effects of Parental Bonding on Depression for Childhood Sexual Abuse Survivors	
Joshua L. Garcia	109
The Role of Group Membership and Résumé Quality in Aptitude Judgments	
Linda A. Jazo.....	115
Cross-Validation of the MMPI-2 Masculinity-Femininity Scale (Mf) With African American Male and Female College Students: An Exploratory Study	
Valita Jones	124
Locus of Control in Children: Age, Gender, Socioeconomic Status, and Ethnicity	
Shameika Logan	132
Assessing the Effectiveness of a Teenage Pregnancy Prevention Program Among Latino Males	
Sergio Romero	138
Olfaction Functioning in Alzheimer's Disease	
Kelly Silva	148
Relationship of Acculturation/Generation to Anxiety and Depression in Mexican American College Students	
Vivian E. Ruiz Vaccarino	157
Acknowledgment of Corporate and Academic Partners	163