University of Wisconsin — Madison
Presents

Undergraduate Symposium 2008

Celebrating Research, Creative Endeavor, and Service Learning

Wednesday, April 16, 2008
9:45 a.m. to 4:00 p.m.
Great Hall, Memorial Union
Schedule

9:45 a.m.
Welcome to Student Participants by Vice Provost for Teaching and Learning Aaron Brower
Address by Professor Robert Skloot, Great Hall

11:45 a.m.
Keynote Address by Chancellor John D. Wiley
Presentation of Library Research Awards
Raffle for Student Participants, Great Hall

10:00 a.m. – 4:00 p.m.
Posters and Displays, Great Hall

Oral Presentations and Poster Sessions
Session I, 10:00 a.m. – 11:30 a.m.
Session II, 12:00 p.m. – 1:30 p.m.
Session III, 2:00 p.m. – 3:30 p.m.

Refreshments will be available throughout the day in the Main Lounge.

Please note that some projects may be presented during a Different session than listed in this schedule.
Performances

All performances will be held on the stage in Great Hall.

9:55 – 10:15 a.m.
Julia Marion: THE GENESIS AND SIGNIFICANCE OF THE BASSOON CONCERTOS OF ANTONIO VIVIALDI

12:00 p.m. – 12:20 p.m.
UTA PRESENTS BRING ME TO LIGHT

1:30 p.m. – 1:45 p.m.
UW-DANCESPORT TEAM- BALLROOM DANCING
Oral Presentations

Session I, 10:00 a.m. – 11:30 a.m.

**Inn Wisconsin East, 2nd Floor**
Amy Powis: BEYOND SURVIVAL: FOOD EXPERIENCES IN MARY ROWLANDSON’S CAPTIVITY NARRATIVE
Jennifer Lachowiec: CHARACTERIZING MUTANTS DEFICIENT IN NUCLEAR RNA INTERFERENCE
Meagan Stilp, Molly Reddy: INTERNATIONAL EXPERIENCES IN A CHANGING WORLD
Lisa Christian: Exploring the role of the PIPK1g707/SNX5 complex in E-cadherin trafficking
Jenny Gelden: MAPPING KISSPEPTIN LEVELS WITH A MICRODIALYSIS METHOD IN THE MEDIAN EMINENCE IN RHESUS MACAQUES

**Inn Wisconsin West, 2nd Floor**
Alexandra Schulp: PEDIATRIC BRAIN DEVELOPMENT AND NEUROCHEMICALS MEASURABLE BY MAGNETIC RESONANCE SPECTROSCOPY
Kelly Schlicht: Getting Personal on
Claire Flanagan: Glycosaminoglycan-Polyurethane Copolymers as Biomimetic Vascular Materials
Peter Debbink: CivWorld: The Uses of Civilization III in Education and Curriculum
Muzammil Hussain: Developing Democracies in the IT Revolution: Indian iCafés & Civil Society

**Profile Room, 2nd Floor**
Sunyoung Park: PEDIATRIC BRAIN DEVELOPMENT AND NEUROCHEMICALS MEASURABLE BY MAGNETIC RESONANCE SPECTROSCOPY
Amanda Riek: PEER SEXUAL HARASSMENT VICTIMIZATION, EATING DISORDERS, AND QUALITY OF MOTHER-DAUGHTER RELATIONSHIPS
Justin Knoll: Private Military Companies and their Effect on International Politics
Claire Flanagan, Kevin Hart: Development and Testing of a Device Intended for Efficient and Safe Aneurysm Treatments

**Tripp Commons, 2nd Floor**
Barbara Heindl, Rachel Guy, Paul Schilke: ECOLOGICAL AND ECONOMIC SUSTAINABILITY OF ECOTOURISM IN MEXICO
Kristina Stanek: TORTURED BY FASHION: REINTRODUCING A BRUTAL PAST TO A NEW GENERATION
Sreenath Pillai: Ribosomally Associated Chaperones in yeast: SSZ, ZUO: Vital to protein folding?
Claire Flanagan: DEVELOPMENT AND TESTING OF A DEVICE INTENDED FOR EFFICIENT AND SAFE ANEURYSM TREATMENTS
Daniel Hawk: EXPLORING AN EASY WAY TO TEACH COMPUTER SCIENCE
Meaghan Brody: A Comparative Analysis of National Initiatives Aimed at Developing Embryonic Stem Cell Technology

**Beefeaters Room, 3rd Floor**
Lili Prahl: CREATING A WEBSITE FOR THE WILDLIFE ECOLOGY 375 MEXICO COURSE
Mandy Feavel: CREATING A WEBSITE FOR THE WILDLIFE ECOLOGY 375 MEXICO COURSE
Erika Hutz: EFFECTS OF MENOPAUSE ON KISSPEPTIN EXPRESSING NEURONS IN THE MBH IN FEMALE RHESUS MACAQUES
Andrew Miller: PRIMARY TEXTS REGARDING THE HAITIAN REVOLUTION
William Sharpee: QUORUM SENSING AND MORPHOLOGICAL TRANSITIONS IN THE FILAMENTOUS FUNGUS ASPERGILLUS FLAVUS
Session II, 12:00 p.m. – 1:30 p.m.

**Inn Wisconsin East, 2nd Floor**
Amy Moser: CHINESE NEO-IMPERIALIST TRADE IN AFRICA
Isabella Lau, Madeline Hartjes: EARTH CENTER: FOR A UNIFIED ‘GREEN’ COMMUNITY
Fawn Houck: ETHNOMATHEMATICS: ENGAGING STUDENTS OF COLOR FOR ACADEMIC SUCCESS
Alicen Nelson, Vijay Prasad: Reducing the Burden of Disease: Diabetes Prevention on Allied Drive
Kate Dielenheis, Katherine Gielissen: BIOCORE OUTREACH AMBASSADORS: REACHING OUT TO IMPROVE RURAL SCIENCE EDUCATION

**Inn Wisconsin West, 2nd Floor**
Nicole Helmke: CHANGES TO NON-CONTACTED BASES HAVE A STRONG EFFECT ON COOA PROTEIN DNA-BINDING AFFINITY
Nicholas Turner: Mechanisms of Gene Transfer in the Pathogenic Neisseria
Chaya Nayak: Private Military Corporations and International Politics
Dario Rodriguez: The Privatization of Security and Human Rights in The Americas
Carnes Jeff: THE TRANSITION FROM THE COMBAT ZONE TO CAMPUS: A PRELIMINARY STUDY OF VETERANS IN THE CLASSROOM

**Profile Room, 2nd Floor**
Megan McGuire: THE PROMISES AND PITFALLS OF FORMALIZING RECYCLING IN BUENOS AIRES, ARGENTINA
Sehrish Rana, Carrie Miller: TOWARD DEVELOPMENT OF A NEW DIAGNOSTIC TEST FOR POLYCYSTIC OVARY SYNDROME
Laura Sheets: BLACK AND WHITE ISSUE? THE ROLES OF CONTROL AND MOTIVATION IN PERPETUATING PREJUDICE
Sarah Koeppen: ADAPTATION OF DENGUE VIRUS TO MOUSE VISCERAL ORGANS
Julie-Anne Spatz: ASSESSING VARIOUS REPEATED READING TECHNIQUES

**Tripp Commons, 2nd Floor**
Tyler Marcus: SUPPLY CHAIN MANAGEMENT IN STREET MARKETS
Estephany Escobar: FORMANDO LAZOS: IMMIGRANT PARENTS AND CHILDREN OF IMMIGRANTS
Dario Rodriguez: The Privatization of Security and Human Rights in The Americas
Lynn Gilbertson: Auditory Preference of Children with Autism
Christine Penn: THIRD-PERSON EFFECT, POLITICAL ADVERTISEMENTS, AND INTENTION TO VOTE AMONG COLLEGE STUDENTS

**Beefeaters Room, 3rd Floor**
Kevin Kohl: DIET-INDUCED PLASTICITY IN INTESTINAL MALTAZE ACTIVITY IN NESTLING HOUSE SPARROWS DURING DEVELOPMENT
Carolyn Levitt: SEX DETERMINATION IN THE LIMBS OF CROCODILIANS AND HOW IT MIGHT HELP IDENTIFY THE SEX OF DINOSAURS
Omar Arreola: FORMANDO LAZOS: IMMIGRANT LATIN@S RAISING THEIR CHILDREN IN THE UNITED STATES
Alexander Reed Graf: STRESS REGULATION IN INCARCERATED ADOLESCENTS
Samantha Nagy, Andrew Kellner: TOY OR SPADE: ASSESSING EFFECTIVENESS OF MEDIUMS FOR ENVIRONMENTAL EDUCATION IN MEXICO AND THE US

Session III, 2:00 p.m. – 3:30 p.m.

**Inn Wisconsin East, 2nd Floor**
Meghan Tauber, Emily Leibold: Engaging Elementary Students in After School Science Clubs
Ho Ling Li: Study of the Reactor Antineutrino Spectra Measured in the Daya Bay #952;13 Experiment
Ziyi Wang: EFFECT OF IN VITRO Gefitinib TREATMENT ON MUTANT T790M EGF RECEPTOR ACTIVITY
Steven Cook: SCREENING AND CHARACTERIZATION OF CYTOKINESIS REGULATORS IN C. ELEGANS
Erin Collins: MIGRANT NORMS AND NETWORKS IN HO CHI MINH CITY’S INFORMAL ECONOMY

**Inn Wisconsin West, 2nd Floor**
Stephanie Koczela: MATERNAL HEALTH CARE SEEKING IN MATHARE VALLEY
Eric Victor: Sequencing and Subcloning of the CHXE gene in a Carrot (Daucus Carota) BAC
Kelly Connell, Srdan Gajic: SIMULATION STUDY REGARDING FORCES THAT CHANGE GENE FREQUENCIES
Heather Hestekin: PREDICTORS AND PSYCHOLOGICAL PROFILE OF SITUATION-SPECIFIC DISORDERED EATING IN ADOLESCENT GIRLS
Justin Balthazor: CEO compensation and risk taking: CEO pay comparisons, uncertainty, and acquisition behavior.

**Profile Room, 2nd Floor**
Alex Leites: GENIUS ETHICISTS: HOW ANCIENT WRITERS PRESERVED ORAL TEACHINGS THROUGH SOCIOPOLITICAL DECLINE
Asad Asad, Rashid Dar, Amjad Asad, Megan McGuire, Maria Putzer, Adam Lichtenheld, Ann Babe, Daniel Knudsen, Rachel Mehlhoff, Kyle Dropp, Kris Ugarriza, Emma Condon, Jeffrey Wright: The Journal of Undergraduate International Studies
Artur Oliveira: Private Military Corporations and International Politics
Phueng Cha: INTEGRATING EDUCATIONAL STRATEGIES INTO PATIENT CARE: OBSERVATIONAL STUDY OF OUTPATIENT PHARMACISTS
Seve Ponce de Leon: THE HARD FACTS BEHIND SOFT DRINKS

**Tripp Commons, 2nd Floor**
Grant Teply: PREDICTED NEUTRINO FLUXES IN THE ICECUBE NEUTRINO OBSERVATORY FROM COSMIC RAY SOURCES
Brian Cole: DEVELOPMENT OF A PLASMID OVER-REPLICATION-BASED ANTIMICROBIAL SCREEN
Jerrod Walker: WRITING ETHICALLY
Patrick Mende: Ultrasonic Measurements in the Daya Bay Antineutrino Experiment
Francesca Norante, Mohamed Nasereldin: SPINAL CORD INJURY AND NEUROPATHIC PAIN RESEARCH: ANTIHYPERALGESIC EFFECTS OF CANNABINOIDS AGONISTS

**Beefeaters Room, 3rd Floor**
Michael Rogers, Ari Eisenstat, Eric Sitman: Ethical Dilemmas in Family Businesses
Nicholas Burton: The role of PSTPIP1 in podosome formation and PAPA syndrome
Maxwell Eva, Victoria Vasys, Kristen Roewer: THE U.S.-MEXICO BORDER AS A MICROCOSM FOR ENVIRONMENTAL JUSTICE ISSUES
Stefanie Jones: EPIGENETIC MODIFICATION OF PAX6 GENES IN NEUROEPITHELIA INDUCTION FROM HUMAN EMBRYONIC STEM CELLS
Posters

Posters will be displayed in Great Hall, Class of 1924 Reception Room, Langdon Room, Capitol View Room and Main Lounge

Session I, 10:00 a.m. – 11:30 a.m.

Student(s), Title, (Poster Number)

Kimberly Peters: IMPACT OF A HEART ATTACK ON THE LIVES OF YOUNGER-AGED WOMEN (4)
HyunKyung (Chloe) Lee: EFFECT OF CONTROLLED RELEASE FERTILIZATION ON NITROGEN LEACHING AND MORPHOLOGY IN RED PINE SEEDLINGS (7)
Sara Krizan: DEGRADATION OF PATHOGENIC PRION PROTEIN IN LANDFILL LEACHATE USING ALKALINE BURIAL MATERIALS (18)
Carlos Gil del Alcazar: FUNCTION OF FOXQ1 IN THE PROCESSES OF LEARNING AND MEMORY (22)
Xinwei Luo: THE BIOCHEMICAL CHARACTERIZATION OF A TRANSLATIONAL REPRESSOR (24)
Brooke Moungey: Kv11.1 and MiRP1 are Transported to the Cell Surface in Distinct Pathways (25)
Matthew King: EVALUATION OF AN ELECTRONIC AMMONIA-REMOVAL DEVICE TO REPLACE BIOFILTERS IN HOME AQUARIUMS (26)
Erin Goodchild: CONNECTING FAMILIES AND THEIR BUSINESSES: FAMILY MEETINGS (27)
Amanda Turek: COPPER(II)-CATALYZED INTRAMOLECULAR C–H AMIDATION OF OXAZIRIDINES (28)
Kittikhun Wangkanont: MULTIVALENT GLYCOMIMETIC INHIBITORS FOR PROBING THE FUNCTION OF DC-SIGN (29)
Joshua Moon: THE UNEXPECTED ROLE OF ACTION IN INFANT WORLD LEARNING (31)
Raman Kutty: EVOLUTION OF SPURGE FLOWERING STRUCTURES (34)
Emily Nuss: ASSOCIATIONS BETWEEN SLEEP QUALITY: BODY SIZE AND EATING BEHAVIOR IN COLLEGE STUDENTS (35)
Colby Cantu: Exploring the role of Medicago truncatula CASTOR in legume nodulation and endomycorrhization (36)
Caitlin Gilbert: YOUNG WOMEN'S PSYCHOLOGICAL RESPONSE TO ABORTING A FIRST PREGNANCY (37)
Blenda Chiu: THE USE OF IMMANENT JUSTICE AND BELIEF IN A JUST WORLD PRINCIPLES IN POVERTY SITUATIONS (38)
Kyle Dropp: WHEN DO CANDIDATES GO NEGATIVE? (39)
Elizabeth Chen: A THIRD CONSCIOUSNESS: THE IMPACT OF CHINESE CULTURE ON CUBAN LITERATURE AND ART (40)
Matt Pesko: INCREASING ECONOMIC OPPORTUNITIES FOR INDIVIDUALS WITH DISABILITIES IN NORTHWEST: RURAL WISCONSIN (42)
Kathryn Silberzahn: The Effectiveness of an HIV/AIDS Curriculum in Grade Four in Mozambique: Africa (47)
Jasmine Timmons: Adolescents' Decision Making about Disclosure to Parents (49)
Meghan Reppen: THE INTERACTION OF TAT BINDING PROTEIN 1 AND THYROID HORMONE RECEPTOR (53)
Sarah Maria Donohue: CONVERSATIONS IN ADULTS WITH TRAUMATIC BRAIN INJURY (54)
Jesse Bauwens: Embryonic Signal Directed Differentiation of Ep-CAM+ Mouse Endoderm Progenitor Cells (56)
David Baumann: Rapid Action of Estrogen (E2) in Primate Luteinizing Hormone Releasing Hormone (LHRH) Neurons (71)
Samantha Hoffman: THE MANY STREAMS OF THE MAGELLANIC STREAM (73)
Christa Pittner: EFFECTS OF IRON DEFICIENCY AND ERYTHROPOIETIN ON TRANSFERRIN RECEPTOR CONCENTRATION IN RAT DUODENUM (77)
Agnes Patenaude: DEPRESSION AND STIGMA IMPACT ON EARLY TREATMENT ACCEPTANCE IN YOUNG KENYA WOMEN DIAGNOSED WITH HIV (80)
Sarah Schmid: SCREENING OF S. SUIS ISOLATES BY PCR FOR THE PRESENCE OF PAI ASSOCIATED WITH HIGH VIRULENCE (81)
Alice McCarthy: ZEBRA MUSSELS VS. QUAGGA MUSSELS: DIFFERENCES OF SUBSTRATE ATTACHMENT IN FLOW (83)
Ya Lin: INFLAMMATORY RESPONSE AND COLLAGEN TURNOVER FOLLOWING PULSED DYE LASER TREATMENT OF VOCAL FOLDS (91)
Ashley Kemnitz: EXAMINING RELATIONSHIPS BETWEEN MEASURES OF SPIRITUALITY AND PHYSICAL HEALTH (92)
Philip Thomas: The Effect of Weather on Ground Level Ozone at Coastal and Inland Midwestern Sites (94)
Sachi Horibata: THE ROLE OF MUC16’S TANDEM REGIONS IN MESOTHELIN BINDING AND SPREAD OF EPITHELIAL OVARIAN CANCER (97)
Garrett Lee: James Thomson: Ka Yi Ling: Srikumar Sengupta: STUDYING THE EVOLUTION OF STEM CELLS USING THE MODEL ORGANISM TRICHOPLAX ADHAERENS (100)
Pam Legare: Lori Bills: The Galactic "Rain": High-velocity clouds around the Milky Way (103)
James Birrell: Progress toward the total synthesis of spicamycin via a ring-closing metathesis strategy (109)
Michael Line: Morphology and Velocity Structure of the Lunar Sodium Tail (111)
Pamela LeGare: Lori Bills: Tobin Morrison: Occupational Therapy Space Remodel (114)
Rebecca Gilsdorf: EDUCATION IN POST-APARTHEID SOUTH AFRICA: GENDER AND RACE DISPARITIES AS A VIOLATION OF HUMAN RIGHTS (116)
Ashley Jacobsen: ELECTRONIC PERTURBATION OF THE COPPER(II)-CATALYZED AMINOXYDROXYLATION OF ALKENES (122)
Diane O'Brien: EFFECTS OF TRENBOLONE ON FINAL OOCYTE MATURATION IN FATHEAD MINNOWS (125)
Jason Huberty: Kinetics study on phase transformation from titania polymorph brookite to rutile (127)
Rashid Dar: Designing Centers of Expertise for Academic Learning Through Video Games (128)
Jacob Cychosz: VALIDATION OF MICROWAVE RADIOMETER MEASUREMENTS OF ATMOSPHERIC TEMPERATURE AND WATER VAPOR (132)
Gao Yang: Hannah McDougall: MATERNAL DEPRESSION AND SLEEP CONSISTENCY IN PRETERM AND LOW BIRTHWEIGHT INFANTS (138)
Serge Margovsky: GEOPOLITICAL IMPACTS OF THE BRONZE NIGHT IN ESTONIA (139)
Keri Drake: Molly Sauerbray: EFFECTS OF IRON DEFICIENCY ON RENAL DEVELOPMENT IN EARLY LIFE (148)
Jason Habeck: EFFECTS OF A UTERINE RESTRICTION MODEL ON FETAL KIDNEY DEVELOPMENT IN SHEEP (153)
John Beirne: GENETIC ANALYSIS OF SECA1 and SECA2 FUNCTION IN ARABIDOPSIS THALIANA (161)
Sally Merckx: Marco Spada: Differences in Family Owned and Corporate Restaurants (163)
Deanna Downs: INVESTIGATING THE CELLULAR ROLE OF THE YJGF PROTEIN BY ANALYSIS OF SUPPRESSOR MUTATIONS (165)
Xiao Yang: Flame Tube (168)
Sami Kirzner: REPEATED READING INTERVENTION (169)
Dennis Fournogerakis: HOST-GUEST CHEMISTRY WITH CUCURBITURIL (175)
Matthew Iodice: Andrew Jacobs: Jordan Schneider: A FIRST HAND LOOK AT NON-FAMILY CEOS IN FAMILY BUSINESSES (176)
Janie Yang: Identification of candidate distal-less target genes using microarray expression analysis (178)
Ian Hanson: Improving characteristics of concrete using nanoparticle coating techniques (189)
Chen Xiyang: Towards Systematic Classification of Genetic Mutations in Arabidopsis thaliana (190)
Zina Knox: META-ANALYSIS STUDY ON CAREER EDUCATION AND ACADEMIC PERFORMANCE (192)
Mitchell Dyer: VAV-CRE TRANSGENIC MICE: MAPPING THE CRE INSERT GENE TO CHROMOSOME 12 (193)
Steven Schumacher: SIBLING MICROCHIMERISM (198)
Ashish Verma: Validation of the Solid Modeling Process: Creating Models from CT Data (200)
Jacob Naughton: ACTION IN SUDAN (201)
Session II: 12:00 p.m. – 1:30 p.m.

Student(s): Title: (Poster Number)

Katharine Sappey: SIBLING START-UP'S: CREATING A BUSINESS WHILE PRESERVING THE RELATIONSHIP (1)
Robert Kneeland: Slow Activation of hERG Channels (3)
Michael Dreis: The Effect of Essential Gene Knockouts on Chemotaxis and Decision Making in E. coli. (5)
Michael O'Halleran: SEASONAL AND VEGETATIVE EFFECTS ON EARTHWORMS IN LAWNS OF MADISON: WI (6)
Nghia Le: Huyen Hoang: Anh Duong: Anthony Austin: STEREOTYPE THREAT AND WOMEN'S MATH PERFORMANCE: GENDER IDENTIFICATION AND LOCUS OF CONTROL (9)
Samantha Ziman: Jamie Burak: Natasha Fritsch: WHAT DO FAMILY BUSINESSES DO IN TIMES OF CRISIS? (10)
James Campbell: Lobbying and Lawmaking in the Wisconsin Legislature (14)
Nicholas D. Young: Convergent Measurement and Ability Modeling of Absolute Pitch Processors (15)
Jennifer Czarny: Melissa Mellum: AN EXPLORATORY STUDY OF THE MATERNAL EXPERIENCE OF PERINATAL LOSS IN MULTIPLE BIRTH (16)
Nicholas Rego: MILTON AND THE SELF: SUBJECTIVITY IN PARADISE LOST (17)
Alyce Marsh: UW MADISON PRE-MEDICAL STUDENTS UNAWARE OF OPPORTUNITIES IN CLINICAL RESEARCH: A CASE STUDY (19)
Melissa MacDonald: EFFECT OF GENETICALLY RAISING N-3 FATTY ACID LEVELS IN PORK ON LIPID OXIDATION DURING FROZEN STORAGE (23)
Kathryn Hall: MEXICAN AMERICAN DEMOCRATS IN TEXAS 1960 - 1975 (33)
Derek Lump: Zach Pflum: The Kindling Model of Epilepsy (43)
Rachel Roirand: SYMPTOM CLUSTERS IN OLDER BREAST CANCER SURVIVORS (44)
Yi Han Ng: SECOND SPHERE EFFECTS OF OXYGEN ACTIVATION IN STEAROYL-ACYL CARRIER PROTEIN &delta;9 DESATURASE (48)
Sarah Sanders ACTIVITY-DEPENDENT HIPPOCAMPAL PLASTICITY & EPILEPSY (55)
Kayla Menard: Isolation and Purification of an Antimicrobial Agent from Enterobacter gergoviae (58)
Jay Luther: ETHYLENE STIMULATED NUTATIONAL ANALYSIS IN ARABADOPSIS MUTANTS (68)
Diana Dovorany: HOW INFANTS LEARN WORDS: THE ACQUISITION OF STRESS PATTERNS IN DISYLLABIC NONSENSE WORDS (70)
Jacqueline Blank: Conversion of Biomass to 5-Hydroxymethylfurfural and Related Compounds (74)
Mallory Huber: Amie Ziegel: Kathryn Connors: Sasha Williams: PERSONALITY: TEMPERAMENT AND COLLEGE STUDENTS' CHOICE OF LIVING ARRANGEMENTS (75)
Alyce Marsh: UW MADISON PRE-MEDICAL STUDENTS UNAWARE OF OPPORTUNITIES IN CLINICAL RESEARCH: A CASE STUDY (76)
Muthukumar Ramanathan: PREVENTION OF TYPE 1 DIABETES IN THE NOD MOUSE USING A VITAMIN D ANALOG (82)
Ismail Boukahil: THE ROLE OF DOPAMINE IN THE REINFORCEMENT OF AGGRESSIVE BEHAVIOR IN PEROMYSCUS CALIFORNICUS MICE (84)
Dirk Pearson: Alison Andreoff: ANALYSIS OF ESTATE PLANNING: BEST PRACTICES AND TOOLS REGARDING ESTATE PLANNING (85)
Emily Roth: A SEASONAL STUDY OF BIOCHEMICAL OXYGEN DEMAND IN WILLOW CREEK AS AN INDICATION OF WATER QUALITY (87)
Alex Antell: Interaction Between CAR-1 and the Endoplasmic Reticulum in C. elegans (90)
Lisa Daniels: THE EFFECTS OF GENETICALLY MODIFIED AND CHEMICALLY ALTERED FOOD ON PHYSICAL ACTIVITY LEVELS IN MICE (95)
Sona Son: IDENTIFYING BINDING PARTNERS FOR DROSOPHILA DGRIP79 (96)
Ali Bramson: STABILITY OF PALLADIUM NANOPARTICLES UNDER SIMULATED ENVIRONMENTAL CONDITIONS (101)
Brian Ray: THE ROLE OF HYPSPECTRAL PHOTONICS IN COMBUSTION ENGING EFFICIENCY (102)
Natalya Libo: PATERNAL BEHAVIOR INFLUENCES OFFSPRING ACROSS MULTIPLE GENERATIONS IN MALE CALIFORNIA MOUSE (108)
Lorenzo Zemella: Project to Create a Place Ontology for Wisconsin (110)
Casmir Turnquist: Mesenchymal stem cell therapy and its application to cerebral ischemia (112)
Anne Gottwald: NON-DESTRUCTIVE ESTIMATION OF NET PRIMARY PRODUCTIVITY FOR NINETEEN PRAIRIE SPECIES (119)
Elizabeth Elsmo: EFFECT OF RECREATIONAL TRAILS ON SONGBIRD BREEDING SUCCESS IN WISCONSIN FORESTS (121)
Ariel DeBroux: THE EFFECTS OF LAND MANAGEMENT ON NATIVE AND INVASIVE SPECIES DENSITIES IN THE LAKESHORE PRESERVE (126)
Peter Olesen: FAMILY-CONTROLLED PUBLIC COMPANIES: GOOD OR BAD NEWS FOR INVESTORS? (129)
Hannah Yang: TESTOSTERONE ADMINISTRATION IN POSTMENOPAUSAL WOMEN (130)
Mitchell Brey: THE ROLE OF TACC PROTEINS IN MITOTIC SPINDLE ASSEMBLY (133)
Alexandra Schulp: Julie Auerbach: WAYS TO AVOID THE EVIL SIDE OF NEPOTISM (136)
Jeremy Zimmerman: Maksim Stayetski: John Chao: An Analysis of Marketing and Public Relations Strategies and their Effects on Family Businesses (137)
Sophie Rupp: COMMUNICATION AND CONFLICT IN FAMILY BUSINESS BETWEEN FIRST AND SECOND GENERATION FAMILY MEMBERS (143)
Derek Powell: MATERNAL AGGRESSION AND BEHAVIORS OF DAMS STRESSED IN UTERO (145)
Maurice Demus: SCULPTURES REPRESENTING BLACK AFRICANS IN EARLY MODERN VENICE (147)
Nick Leaf: A FAST VOLTAGE PULSE GENERATOR FOR THE MEASUREMENT OF QUANTUM COHERENCE TIMES (150)
Tuyetnga Vo: The Infrastructure of Stem Cell Research in Singapore (155)
Sarah Tyree-Francis: Miller Lauren: Anna Clauser: Jen Hopper: PARENTAL CONFLICT: DIVORCE: AND ADULT CHILD INTIMATE RELATIONSHIPS (156)
Anthony Austin: STEREOTYPE THREAT AND WOMEN'S MATH PERFORMANCE: GENDER IDENTIFICATION AND LOCUS OF CONTROL BELIEFS (157)
Jonathan Rath: UNIFYING AND STRENGTHENING AMERICAN INDIAN STUDENTS AT UW-MADISON (164)
Ashley Gramza: THE EFFECT OF EDUCATION ON KNOWLEDGE AND ATTITUDE ABOUT SNAKES IN SAN ISIDRO: COSTA RICA (173)
Mallory Barnes: Jackie Martin: Melanie Mossing: HUMAN IMPACTS ON SEA TURTLES IN WESTERN MEXICO: CONSERVATION IMPLICATIONS (174)
Maria Kaltcheva: Characterization of Tau Phosphorylation during the Differentiation of Human Embryonic Stem Cells (180)
Nguyet-Minh Tran: TESTING CHAN-LAM COUPLING REACTION'S METHODOLOGY EXTENSION USING ALKYL AND ALKYNYL BORONIC ACIDS (184)
Alexis Guzman: FORMANDO LAZOS: EMPOWERMENT OF LATINO IMMIGRANTS THROUGH A COMMUNITY PROGRAM (186)
Rachael Colpaert: IMPACT OF DIET ON INTESTINAL MORPHOLOGY OF DEVELOPING ZEBRA FINCH NESTLINGS (187)
Angela Dunz: CAN MICRO FINANCE HELP THE ENVIRONMENT WHILE IMPACTING LIVES AND PRESERVING CULTURE? (188)
Huyen Hoang: Nghia Le: PROJECT PLAYROOMS – KEY TO INCREASING DEVELOPMENT (191)
Dorian Leafman: Grace Thornton: Douachong Lee: Sarrah AbuLughod: FACTORS ASSOCIATED WITH DIVERSITY-RELATED ATTITUDES IN COLLEGE STUDENTS (194)
Hao Li: A SLOW RECA PROTEIN (196)
Margo Sendelbach: BIOMECHANICS OF LANDINGS FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: ASSESSMENT OF KNEE FUN (206)
Meghan Nechrebecki: THE EGFR AND SRC FAMILY KINASES COOPERATE IN ACQUIRED RESISTANCE TO CETUXIMAB (207)
Kevin Campbell: MHC CLASS I SEQUENCE IDENTIFICATION AND EVOLUTIONARY IMPLICATIONS IN THE FILIPINO CYNOMOLGUS MACAQUE (208)
Lacy Hanson-George: THE INTERSECTION OF RACE AND GENDER IN POLITICAL REPRESENTATION (209)
Jared Mason: MASON BROTHERS' RED OWL: A PAST, PRESENT, AND FUTURE LOOK AT A FAMILY BUSINESS (212)
Hannah Jurowicz: ETHNIC IDENTITY NEGOTIATION: A STUDY OF ADULT TRANSRACIAL ADOPTEES FROM KOREA (211)
Kristina Braun: The Role of PGC-1α in Adipocyte Differentiation and Fat Mobilization (215)

Session III: 2:00 p.m. – 3:30 p.m.
Student(s): Title: (Poster Number)
Amanda Amodeo: Dynamin and RHO-1 play an important role during cytokinesis in C. elegans (2)
Ryan Fox: TISSUE-ENGINEERING THE VOCAL FOLD EXTRACELLULAR MATRIX (8)
Natalya Libo: Elizabeth Becker: PATERNAL BEHAVIOR INFLUENCES OFFSPRING ACROSS MULTIPLE GENERATIONS IN MALE CALIFORNIA MOUSE (11)
Robert Korom: IMPROVING FAMILY HEALTH THROUGH A PARTNERSHIP WITH YMCA'S KIDZFIT AND HARAMBEE HEALTH HOUR (12)
Stephanie Pedersen: CHARACTERIZATION OF WILD TYPE AND TSP1-/- LUNG ENDOThelial CELLS (13)
Nicholas Schafer: INVESTIGATION OF NEW NUMERICAL METHODS FOR MOLECULAR DYNAMICS SIMULATION (20)
Pajin Ntaub Vang: EFFECTS OF GUM CHEWING ON ENERGY INTAKE AND EXPENDITURE (21)
Tanjina Shabu: Physiological Role of MUC 16 in Ovarian Cancer (30)
Adam Maus: Training Sparse Single Layer Feed-forward Neural Networks on Chaotic Data (32)
Xuejiao Tian: THE EFFECT OF TRENBOLONE ON FATHEAD MINNOW EMBRYONIC DEVELOPMENT (41)
Tu Anh Vo: EVALUATING COMPUTER PROGRAMMING LANGUAGES FOR CHILDREN (45)
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