



TRAVIS RESEARCH INSTITUTE

Excellence in Research and Scholarship

November 2009

TRI Annual Report

2008-2009



**Lee Edward Travis Research
Institute**

Graduate School of Psychology
Fuller Theological Seminary
180 N. Oakland Ave.
Pasadena, CA 91101
Phone: (626) 584-5544
Fax: (626) 584-9630
www.fuller.edu/travis
www.travisinstitute.org



Greetings from the Director

Dr. Warren S. Brown

We are delighted to present the Annual Report of The Lee Edward Travis Research Institute for the academic year 2008-2009. We hope that this report gives a clear and exciting picture of the important achievements and significant progress made in the psychological research at Fuller this past year.

The Travis Research Institute (TRI) is committed to fostering interdisciplinary research into the relationship between social systems, environmental situations, personality, mental and affective states, cognitive processes, neurobiological functions, and spiritual and religious states and practices. TRI exists within the Graduate School of Psychology of Fuller Theological Seminary in order to support faculty and students in regular and ongoing research activities. An important role of TRI is the establishment and maintenance of a research infrastructure that encourages large-scale collaborative research and facilitates obtaining research funding for the various Centers and Projects.

TRI is organized into four Research Centers, constituting the major foci of large-scale collaborative work ongoing within the Institute:

- Center for Biopsychosocial Research (CBR)
- Center for Research in Child and Adolescent Development (CRCAD)
- Center for the Study of Stress, Trauma and Adjustment (CSSTA)
- Center for Research in Psychotherapy and Religion (CPR)

The Travis Research Institute is now entering its eleventh year of existence in its current form. While our ability to fund new projects has been affected by the downturn the U.S. economy, we are still very proud of the progress we have made as an institute and continue to be able to encourage scholarship amongst the faculty and students in the School of Psychology.

This coming year we are excited to welcome Dr. Seong-Hyeon Kim to TRI! Dr. Kim is a graduate of Seoul National University and received his PhD at University of Texas, Austin. Before coming to Fuller, Dr. Kim taught at the University of Texas at Austin. He comes to Fuller with a passion for statistics, psychometrics and Asian American psychology. He will be teaching Statistics classes as well as Psychopathology. We look forward to his contributions and presence with the Travis Research Institute.

A noteworthy accomplishment was the securing of an additional \$200,000 grant awarded for the continuing study of neuroscience and virtue. Besides continuing laboratory research, an exciting part of the grant is plans to joint-host a multi-day conference on the neuroscience of virtue including public events at both Fuller and Caltech. This grant is funded by the Science and Transcendence Advanced Research Series (STARS) program at the Center for Theology and Natural Sciences. The research team includes scholars from South Dakota State University, Azusa Pacific University, California Institute of Technology, and Scripps College. In November, we hosted a day-long

consultation of philosophers and theologians at the American Association of Religion regarding the implications of our research plans and outcomes.

Two exciting new projects funded by the Thrive Foundation for Youth have started in the past year under the umbrella of the Center for Research for Child and Adolescent Development. One is spearheaded by Dr. Linda Wagener and it looks at “Thriving and resilience in emerging adults of the Asia Silk road” while the second one “The thriving conversation project” is lead by Dr. James Furrow with the primary goal of assessing the potential use of thriving principles in a therapeutic setting with at-risk youth.

Dr. Scott Garrels, Fuller Research Professor and School of Psychology alumnus, continues to move forward with his work on Mimetic Theory. This past year he held the final project symposium, in a series of three, drawing together a distinguished core of mimetic theorists, anthropologists, psychiatrists, and psychologists. I have had the privilege of attending these symposiums and am excited about the direction taken by this group of researchers. I am also proud of the caliber of work done by one of our own alumni!

TRI is now on Facebook! We have been working hard to develop a better online presence that is dynamic and exposes faculty and student research to the public. It is our hope that through the TRI website (travisinstitute.org) and through our Facebook presence, we can best interact with students, researchers, and the general public who are interested in the work of TRI.

I invite you into the excitement I have for the direction of the Travis Research Institute as you read the following, more detailed, report of the significant scholarly activities of the faculty and students that work within TRI. As director, I am proud of the work that my colleagues and their students have done this past year, and will continue to build upon in the coming years.

Warren S. Brown, Ph.D.

A handwritten signature in black ink, appearing to read "Warren S. Brown". The signature is fluid and cursive, with a long horizontal stroke at the end.

Director, Travis Research Institute



Research in the School of Psychology takes place within the context of the Travis Research Institute (TRI) named after Dr. Lee Edward Travis, the school's founding Dean. Dr. Travis was a brilliant pioneering experimental physiological psychologist, speech pathologist, and clinical psychologist. TRI strives to embody Travis' legacy of empirical research and scholarship in psychology today.

TRI is committed to fostering interdisciplinary research in the relationships between social systems, environmental situations, personality, mental and affective states, cognitive processes, neurobiological functions, and spiritual and religious states and practices. An important role of TRI is the establishment and maintenance of a research infrastructure that encourages large-scale collaborative research and facilitates obtaining research funding for the various projects.

The institute is organized into several **Research Centers**, constituting the major foci of large-scale collaborative ongoing work. Centers involve both empirical and theoretical scholarship.

- **The Center for Biopsychosocial Research** seeks to understand the interactions between neural and biologic systems and the social, psychological, and spiritual/religious functioning of persons. Major areas of study have involved the cognitive disabilities associated with congenital brain abnormalities, the role of interactions between the two cerebral hemispheres in higher human mental processes, autonomic/affective responses in depression and panic disorder, and health and illness prevention.
- **The Center for the Study of Stress, Trauma, and Adjustment (CSTA)** is committed to innovative research in the areas of acute, chronic, and post-traumatic stress. The center's purpose is to expand the understanding of these variables and to facilitate the application of this knowledge to the development of better methods of identification and treatment of individuals, families, and communities that have been affected by an environment of chronic stress and trauma. One particular area of focus is the research and clinical service directed to the needs of international ministry and humanitarian aid workers. This work is supported by a generous endowment from the Headington family of Dallas, Texas.
- **The Center for Research in Child and Adolescent Development (CRCAD)** has the purpose to further the knowledge of positive development in childhood and adolescence. A specific focus of this research program is the identification of ecological factors that are associated with the promotion of well-being and the prevention of risk among children and youth. Special attention is given to the unique role of community resources and religion in shaping these positive developmental outcomes. An additional focus of the Center includes furthering an understanding of the associations between child outcomes and marital and parent-child relations.
- **The Center for Research in Psychotherapy and Religion (CPR)** is committed to the empirical and theoretical study of psychotherapy and religion and their interaction. The goal is to improve the quality of treatments, the training of therapists, and the mental health delivery system through research and scholarship. CPR focuses on the relationship of psychotherapy process and outcome; the appropriate role of religion in psychotherapy; and the impact of public policy on mental health reform. The center is committed to high caliber clinical outcome and process research that addresses practical issues facing therapists on the front-line of treatment delivery, and CPR aims to be a national resource for information on religiously sensitive therapy and a venue for training graduate students and post-doctoral clinicians. Moreover, the center promotes scholarly research that encourages public policy that is supportive of and sensitive to matters of religion and spirituality.

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Center for Biopsychosocial Research

Center Description and Mission

The Center for Biopsychosocial Research seeks to understand the interactions between neural and biologic systems and the social, psychological, and spiritual/religious functioning of persons. Major areas of study have involved (a) the neuropsychology of cognitive disabilities associated with congenital brain abnormalities, traumatic brain injury, and normal aging, (b) affective and autonomic responses in depression, panic disorder, and religious experiences; and (c) health and illness prevention.

Faculty involved

Co-Directors:

Drs. Warren S. Brown, Alexis Abernethy

Faculty (in alphabetical order):

Drs. Alexis Abernethy, Stacey Amano, Warren S. Brown, Archibald Hart, Sarah DeBoard Marion, and Lynn K. Paul.

Neuropsychology and Neuroscience

Mental and Social Abilities/Disabilities Associated with Congenital Brain Disorder

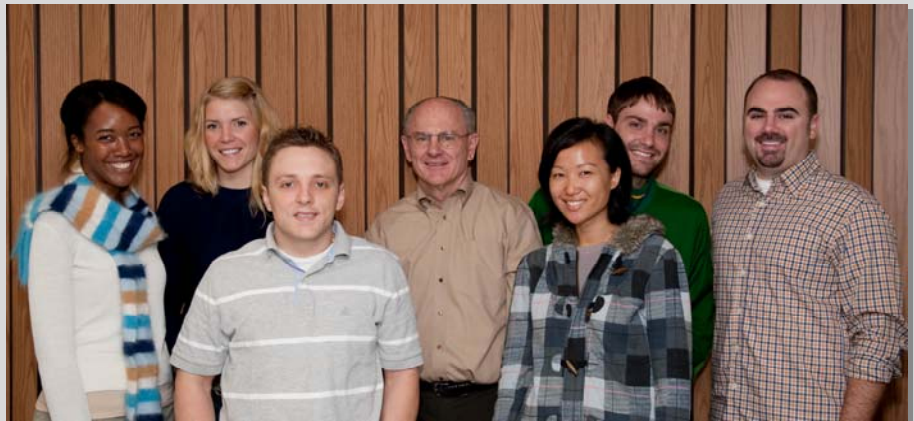


Faculty Investigator: Dr. Warren S. Brown

Co-Investigator: Dr. Lynn K. Paul, Senior Research Fellow, Caltech

The laboratory of Dr. Warren Brown investigates the role of the corpus callosum of the brain in human cognitive and social functioning. The corpus callosum is the large neural pathway, composed of over 200 million axons, that connects the right and left cerebral hemispheres. The primary focus of this research is to understand the cognitive and psychosocial consequences of agenesis of the corpus callosum (ACC). ACC is a brain disorder involving congenital absence of corpus callosum. For many years, Brown's lab has been pursuing a very large project involving extensive neuropsychological study of adults and children with ACC who nevertheless have a normal IQ. This research has shown subtle-to-marked deficits in interhemispheric interactions, basic mental capacities, and social competence in persons with ACC. During 2008-2009, 3 papers were accepted for publication.

Research Team (left-to-right): Shanesha Legardy, Kate Harrell, Jamie Rehmel, Warren Brown, Christina Young, Luke Anderson, and Brandon Birath; *(not pictured)* Jodi Hartman, David Fly, Hana Ibrahimovic, Sarah Longino, and Shawneen Pazienza



Neuroscience and Virtue

Investigators:

Dr. Warren S. Brown, Professor, Fuller Theological Seminary

Dr. Gregory Peterson, Associate Professor, South Dakota State University

Dr. Kevin Reimer, Professor, Azusa Pacific University

Dr. Michael L. Spezio, Asst. Professor, Scripps College & Visiting Scientist, California Institute of Technology

Dr. James A. Van Slyke, Assistant Research Professor, Travis Research Institute, Fuller Theological Seminary

This project is funded by the Center of Theology and the Natural Sciences with the goal of achieving a deeper understanding of the nature of virtue in relation to the transcendent. How is virtue related to rationality, emotions, and concepts of ultimate value? A core question of this project is the degree to which a virtuous person's mental "schemas" (of themselves and of the world) involve a representation of transcendent realities and ultimate values, and the degree to which these are important in their virtuous behavior and character.

In the past academic year, the research team won an intensive competition to procure another \$200,000 in funding in order to continue the empirical research involving analysis of interviews with exemplars of virtue, economic games to detect the virtues of generosity and compassion, and functional magnetic brain imaging. The grant will also involve a multi-day conference, in cooperation with Caltech, exploring these topics. The conference is scheduled for spring of 2011. The research team also hosted a pre-symposium workshop and consultation at the 2009 American Association of Religion meeting, in Montreal Canada, regarding the implications of a science of moral actions and virtue ethics.

Cognitive Profile of Aging Adults

Faculty Investigator: Dr. Sarah DeBoard Marion



A clinical neuropsychologist by training, Dr. Marion's research focuses on understanding the pattern of psychological and neurocognitive deficits associated with various neurological and psychiatric syndromes such as reading disorder, traumatic brain injury (TBI), and epilepsy. Students in her lab are actively engaged in projects investigating the neuropsychological consequences of aging and dementia, traumatic brain injury in children, the consequences of neurosurgical treatments for epilepsy, and the use of virtual assessment techniques. There are a variety of opportunities to conduct clinical neuropsychology research. Students work as a team to complete ongoing and on-site research. They also learn to develop their own research interests either from these projects or in conjunction with other researchers in the Los Angeles area. A new and developing focus for Dr. DeBoard-Marion's research is in the investigation and validation of potential cognitive interventions for both neurodevelopmental disorders (e.g., AD/HD) and dementia (e.g., Alzheimer's Disease).

Research Team (*in alphabetical order*): Kirsty Bortnik, Esther Chin, Ben Coleman, Suzanne Hilleary, Erika Knuth, Joseph Lee, Justin Lee, Stella Panos, Heather Schroeder, Sandra Viggiani, Rodney Wilson, Andrew Wong, and Dahyun Yi.





Spirituality and Health

The Spirituality and Health research program is interested in two primary research questions. What dimensions of spirituality influence preventive health behaviors, disease, and survival? How and through what mechanisms does spirituality influence preventive health behaviors, disease, and survival?

Scientific Understanding of the Role of Worship



Faculty Investigator: Dr. Alexis Abernethy

The three-year project, “Spiritual Experience in Worship: Cultural, Theological, and Psychological Perspectives” sought to deepen our scientific understanding of the worship experiences of laity with specific interest in worship experiences that are transformational (e.g., change) and the potential health-related effects of worship. The specific aims were as follows: to understand how worship is experienced on a subjective level within and across ethnic and denominational groups; to identify key antecedent and facilitating conditions that contribute to worship experiences; and to assess whether certain types of worship experiences are associated with behavioral and health-related outcomes. This project has been funded in two phases: first phase \$110,000 in part by the Calvin Institute of Christian Worship, Grand Rapids, Michigan (with funds provided by Lily Endowment Inc.) and Fuller Theological Seminary (Graduate School of Psychology, the Provost’s office, and the Brehm Center for Worship, Theology, and the Arts) and a second phase \$163,430 from The Templeton Foundation. The book, *Worship that changes lives: Multidisciplinary and congregational perspectives on spiritual transformation*, summarizes some of the key findings from this study. The research team is continuing to analyze data from this study and is preparing grant applications for future studies of the effect of worship music on health-related outcomes.

Research Team: Mitzen Black, John Guthrie, Mike Uh, Karlin Albindo, Laura Rold, Brittany Rice, Stephen McGee

Spirituality and Health in Women of African Descent

Faculty Investigator: Dr. Alexis Abernethy

This project examines the relationship between spirituality and health in women of African descent. Foci include the relationship between spirituality, overeating, and depression in African American clergy. This research team also includes dissertation proposals that are examining self-objectification, eating disturbance, body image and spirituality in ethnically diverse populations.

Research Team: Lauren King, Tara Nyasio, Anna Craycraft, Chris Keiper

Cultural Factors in Cancer Screening

Faculty Investigator: Dr. Alexis Abernethy

This study involves African American men and identifying religiously based illness perceptions of cancer screening including relationships among religious factors, fatalism, illness perceptions, and colorectal and prostate cancer screening behavior. Long-term goals include the development of culturally competent interventions for different ethnic groups that target cultural factors and perspectives.

Dr. Abernethy and her students conducted the study, “Understanding Cultural Factors in Cancer Screening,” that was funded by the National Cancer Institute (\$206,397). The study involves a two-phased exploration into the cultural factors among African American men that facilitate and impede colorectal and prostate cancer screening.

The qualitative phase involved focus groups of clergy and interviews of African American men to identify key themes related to religious attributions about cancer.

The second phase examined the relationship between religious and fatalistic attributions regarding cancer and cancer screening behavior and attitudes in 450 African American men. Abernethy’s research makes an important contribution by focusing on cultural factors, religiousness, and fatalism that have been examined more frequently in African American women than African American men. This study is in a data analytic phase and papers are being prepared for publication.

Long-term goals are to conduct research guided by theoretical frameworks that incorporate cultural perspectives, identify culturally relevant factors related to health behavior in different ethnic groups, understand what mechanisms explain these associations, and develop culturally competent interventions.

Research Team: Dione Johnson and Ramona Rebeck



Autonomic Psychophysiology and Behavior



Faculty Investigator: Dr. Archibald Hart

Dr. Archibald Hart and his students have been studying psychophysiological indices of emotional states. Using measures of skin conductance, facial muscles responses (smile and frown reflexes), and heart rate, they are exploring a variety of emotional conditions that have clinical relevance. Several studies have explored the phenomenon of anhedonia in normal and depressed children with a view to establishing a psychophysiological tool for diagnosing childhood depression. This approach to evaluating emotional states is also being used collaboratively with Dr. Brown’s students in studies that explore the emotional consequences of congenital absence of the corpus callosum (called “Agenesis of the Corpus Callosum”).

Second, the Hart laboratory has been investigating variability in heart rate (also called “cardiac coherence”) in high stress states. The goal is to develop a psychophysiological tool for assessing stress non-invasively by measuring the push-pull of the sympathetic / parasympathetic systems. Several studies comparing panic anxiety disordered subjects with normal controls have already demonstrated the viability of this approach.

Finally, Hart’s lab has been testing the viability of using psychophysiological measures to assess levels of spirituality. Using measures of skin conductance and facial muscle responses to visual and auditory stimuli that have significant spiritual / religious content, it is anticipated that a measure of the intensity of spiritual experience will be possible. At this stage appropriate visual stimuli have been identified and normalized for a population of seminary students, and the next stage will be to assess these pictures in a non-religious population to determine their ability to discriminate persons who are and are not religious.



CBR Publications and Presentations

Papers in Peer-Reviewed Journals

Abernethy, A. D., Houston, T. R., Bjorck, J. P., Gorsuch, R. L., & Arnold, H. (2009). Religiousness and prostate cancer screening in African American men. *Journal of Psychosocial Oncology*, 27 (3), pp.316-331.

Books, Book Chapters and Other Publications

Jeeves, M. A. & Brown, W. S. (2009). *Neuroscience, psychology and religion: Illusions, delusions, and realities about human nature*. Radnor, PA: Templeton Press.

Marion, S. D. & Brown, W. S. (2009). Attachment, spiritual formation, and Wesleyan communities. In T. J. Oord (Ed.). *Divine grace and emerging creation: Wesleyan forays in science and theology of creation*. Eugene, OR: Pickwick Publications.

Presentations at Professional/Scientific Meetings and Published Abstracts

Brown, W. (2008, July). *Agenesis of the Corpus Callosum: The basics*. National Organization of Disorders of the Corpus Callosum, Philadelphia, PA.

Brown, W. (2009, February). *Agenesis of the Corpus Callosum: Autism-Like Social Disabilities*. Neuroscience Consortium, Claremont Colleges, Claremont, CA.

Harrell, K. M., Marco, E., Paul, L. K., Sherr, E., & Brown, W. S. (2009, February). *Proverb comprehension in individuals with Agenesis of the Corpus Callosum*. International Neuropsychological Society, Atlanta, GA.

Kang, K. H., Paul, L. K., Castelli, F., & Brown, W. S. (2009, February). *Theory of Mind in Agenesis of the Corpus Callosum compared to high functioning autism*. International Neuropsychological Society, Atlanta, GA.

Legardy, S. N., Paul, L. K., & Brown, W. S. (2009, February). *Longitudinal case study of Agenesis of the Corpus Callosum: Child to adult*. International Neuropsychological Society, Atlanta, GA.

Erickson, R. L., Paul, L. K., & Brown, W. S. (2009, February). *CVLT-II list learning in agenesis of the corpus callosum*. International Neuropsychological Society, Atlanta, GA.

Papers, Presentations, Books, Book Chapters Accepted/In Press

Mueller, K.O., Marion, S. D., Paul, L.K., & Brown, W.S. (in press). Bimanual motor coordination in Agenesis of the Corpus Callosum. *Behavioral Neuroscience*.

Symington, S. H., Brown, W. S., Symington, M., Ono, M., & Paul, L. K. (in press). Theory of mind in individuals with Agenesis of the Corpus Callosum. *Social Neuroscience*.

- Turk, A., Brown, W. S., Symington, M., & Paul, L. K. (in press). Social narratives in agenesis of the corpus callosum: Linguistic analysis of the Thematic Apperception Test. *Neuropsychologia*.
- Brown, A. B., Abernethy, A., Gorsuch, R., & Dueck, A. (accepted). Sacred violations, perceptions of injustice, and anger in Muslims. *Journal of Applied Social Psychology*.
- Counselman, E. F., & Abernethy, A. D. (accepted). Powerful supervisory reactions: A neglected aspect of supervision. *International Journal of Group Psychotherapy*.
- Hay, J., Harris, J., Ellington, L., Waters, E., Clayton, M., & Abernethy, A. (accepted) Personal communication in primary and secondary cancer prevention: Evolving discussions, emerging challenges. *Journal of Health Communication*.



Center for Research in Child and Adolescent Development

Center Description and Mission

The primary purpose of the CRCAD is to further the knowledge of positive development in childhood and adolescence. A specific focus of this research program is the identification of ecological factors that are associated with the promotion of well-being and the prevention of risk among children and youth. Special attention is given to the unique role of community resources and religion in shaping these positive developmental outcomes. An additional focus of the Center includes furthering an understanding of the associations between child outcomes and marital and parent-child relations.

Faculty involved

Co- Directors:

Drs. Linda Wagener, James Furrow

Faculty (in alphabetical order): Drs. Mari Clements, James Furrow, Pamela Ebstyne King, Sofia Herrera Maldonado, Lisseth Rojas-Flores and Linda Wagener

Positive Youth Development

Thriving and Resilience in Emerging Adults of the Asia Silk road



Faculty Investigator: Dr. Linda Mans Wagener

This is one of the most recent projects lead by Dr. Wagener and funded by the Thrive Foundation for Youth. The aim is to examine thriving under diverse cultural conditions in order to contribute to the development of assessment tools that are culture fair and sensitive to cultural differences. Very little is known about conditions of thriving in youth outside of the North American context (Lerner & Galambos, 1998). This project will have significant implications for the development of thriving assessment tools that are globally useful.

Fuller Youth Initiative (FYI)

Faculty Investigator: Dr. Linda Mans Wagener

Co-Investigators: Drs. James Furrow, Lisseth Rojas-Flores, Sofia Herrera Maldonado, David Foy, and Warren Brown

This multi-year project, funded by award #2002-JN-FX-K002 from the United States Department of Justice, Office of Juvenile Justice and Delinquency Prevention (OJJDP), was completed in the summer of 2007. The data is currently being used for multiple student master's projects and dissertations.

The FYI project was a three-community project exploring a positive youth development (PYD) approach to violence prevention among adolescents. The program followed three strategies to study PYD assumptions and youth violence: (a) a randomized phone survey of adolescents from each community, (b) an in-depth interview with a smaller group of youth, nominated based on being known for their exceptional prosocial behavior and caring for others, and (c) a survey of youth programs in each community.

The FYI program surveyed over 1400 youth. Over 70 youth have participated in the in depth interview. Ten programs received program evaluation including specific feedback on their adherence to best practice standards and implementation of positive youth development practices.

Dissertations and Master's projects in process/completed using FYI data:

- Mentoring At-Risk Urban Youth: A Best Practices and Positive Youth Development Evaluation of a Youth Violence Prevention Program (*Vanessa Enoch*).
- A Community-based Peer Mentoring Program for At-Risk Urban Youth: A Best Practices and PYD Evaluation of a Youth Violence Prevention Program (*Lauren Mueller*).
- Parental Self-Enhancing Values and Adolescents' Association with Deviant Friends (*Elaine Hess*).
- Barriers to the Implementation of Best Practices in Youth Violence Prevention: A Mixed Methods Approach (*Hana Carmona*).
- Adult Support as a Mediator between Exposure to Violence and Academic Functioning among Adolescents (*Kayla Davidson*).
- Self-Transcendent Values, Civic Engagement, and Moral Identity in Adolescence (*Lara Sando*)
- Religious Influences on Adolescent Aggressive Beliefs (*Emily Andrews*).

The Thriving Conversation Project/Children of the Night



Faculty Investigator: Dr. Jim Furrow

The primary goal of the Thriving Conversation Project is to assess the potential use of thriving principles in a therapeutic setting with at-risk youth. The project is based on the Thriving Conversation™ tool that was adapted into a 9-session therapeutic intervention program. A multi-level evaluation procedure will provide a preliminary assessment of the program's effectiveness with youth formally involved in street prostitution. Findings from this evaluation will be used to inform similar programs using Thriving principles in interventions with at-risk youth.

Research Team (*in alphabetical order*): Emily Andrews and Courtney Foltz

Exemplars of Spiritual Thriving in Adolescence

Exemplars of Spiritual Thriving in Adolescence: An Exploratory Study



Faculty Investigator: Dr. Pamela Ebstyn King

This study is a joint effort between the Center for Spiritual Development in Childhood and Adolescence at Search Institute and the Center for Research in Child and Adolescent Development in the Graduate School of Psychology at Fuller Theological Seminary and is funded by the Sir John Templeton Foundation. The study aims to identify core principles of spiritual development that are found in youth recognized in their culture for being spiritual. The study involves in depth interviews of 25 youth nominated for living with a profound sense of spirituality in Peru, Kenya, India, Jordan, Great Britain, and the United States. The sample

includes atheist, Buddhist, Catholic, Hindu, Jewish, Muslim, and Protestant youth.

Research Team (*in alphabetical order*): Ciprian Boitor, Drew Carr, Casey Clardy (project manager), Christina Kabiri, Brian Lee, Rashida Mosley, and Jenel Ramos.



Measuring Spiritual Development among Diverse Youth

Faculty Investigator: Dr. Pamela Ebstyne King

As part of the larger Child Well-Being Indicators Project at World Vision International and co-jointly with the Fuller Youth Institute, this study will develop a measurement tool for assessing spiritual development among spiritually diverse adolescents. Although the tool is intended for use among broad populations of young people, this original pilot test will be conducted with World Vision partner’s in Tijuana, Mexico.

Research Team (*in alphabetical order*): Casey Clardy (project manager), Brian Lee, and Dan Zomerlie.



CRCAD Publications and Presentations

Books, Book Chapters, and Other Publications

Foy, D., Furrow, J., & McManus, S. (2008). Violence exposure and PTSD among juvenile delinquents. In V. Ardino (Ed.), *Posttraumatic syndromes in childhood and adolescence*. Hoboken, NJ: J. Wiley & Sons.

King, P. E., & Roeser, R., (2009). Religion & spirituality in adolescent development. In R. M. Lerner & L. Steinberg (Eds.) *Handbook of Adolescent Psychology, 3rd Edition, Volume 1: Development, Relationships and Research Methods*. Hoboken, NJ: John Wiley & Sons.

King, P. E., (2008). Spirituality as fertile ground for positive youth development. In R. M. Lerner, R. Roeser, and E. Phelps (Eds.). *Positive Youth Development and Spirituality: From Theory to Research*. West Conshohocken, PA: Templeton Foundation Press.

Presentations at Professional/Scientific Meetings and Published Abstracts

Benson, P. L., & King, P. E. (2008, August). *Contexts of spiritual development among diverse adolescents*. Chairs of Symposium to be presented at the American Psychological Association, Boston, MA.

- Furrow, J. F., & King, P. E. (2008, August). *Religious engagement, social support, and thriving among urban youth*. Paper presented at the American Psychological Association, Boston, MA.
- King, P. E. (2009, April). *Youth spiritual exemplars: The study of extraordinary spirituality in everyday lives*. Keynote address at the Spiritual Development Pre-session at the Biennial Meeting of the Society for Research on Child Development, Denver, CO.
- King, P. E., Ramos, J., & Clardy, C. (2008). *Adolescent spiritual exemplars: An exploratory study of spiritual thriving*. Paper presented at the Biannual Meeting of the International Society for the Study of Behavioral Development, Wurtzburg, Germany.
- Semsa, A., & King, P. E. (2009, April). *Adolescents' religious-spiritual development: Role of spiritual activities with parents and peers across diverse samples*. Paper presented at a paper symposium at the Biennial Meeting of the Society for Child Development, Denver, CO.

Papers, Books, Book Chapters Accepted/In Press

- Bundick, M. J., Yeager, D. S., King, P. E., & Damon, W., (in press). Thriving across the life span. In W. F. Overton (Ed.) *Handbook of Life Span Development, 3rd Edition, Volume 1: Methods, Biology, Neuroscience, & Cognitive Development*. Hoboken, NJ: John Wiley & Sons.
- King, P. E., Clardy, C. E., & Ramos, J. S. (in press). Religion & spirituality in diverse adolescents. In M. B. Spencer & D. Swanson (Eds.), *Adolescent Development*. Amsterdam, Netherlands: Elsevier Press.
- King, P. E., Ramos, J. S., & Clardy, C. E. (accepted). Searching for the sacred: Religious and spiritual development among adolescents. In K. I. Pargament, J. Exline, & J. Jones (Eds.), *APA Handbook of Psychology, Religion and Spirituality*, Washington D.C.: American Psychological Association.



Center for Study of Stress Trauma and Adjustment

Center Description and Mission

The Center for the Study of Stress, Trauma, and Adjustment (CSSTA) represents a collaboration of faculty committed to innovative research in the areas of acute, chronic, and post-traumatic stress with the purpose to expand the understanding of these variables and to facilitate the application of this knowledge to the development of better methods of identification and treatment of individuals, families, and communities that have been affected by an environment of chronic stress and trauma. One particular area of focus for CSSTA is the work of the Headington Program in International Trauma. The Headington family of Dallas, Texas gave a generous endowment to support research and consultation directed to the needs of international ministry and humanitarian aid workers

Faculty involved

Director: Dr. Cynthia Eriksson

Faculty (in alphabetical order): Drs. Alexis Abernethy, Jeff Bjorck, Cynthia Eriksson, David Foy, Sofia Herrera Maldonado, Katharine Meese Putman and Lisseth Rojas-Flores



The Headington Laboratory

Stress in Humanitarian Aid Workers: Center for Disease Control and Prevention and Antares Foundation Collaboration. The Longitudinal Study of Stress in Humanitarian Aid Workers

Faculty Investigator: Dr. Cynthia Eriksson

Co-Investigator: Dr. David Foy, Professor of Psychology, Pepperdine University

The purpose of the longitudinal research project is to find out how stress affects the lives of international humanitarian aid workers and which factors contribute to this stress during 3 points of the deployment experience: pre-deployment, immediately post-deployment, and 3 to 6 months following return from deployment. Objectives of the research include:

1. To identify aspects of work associated with elevated risk of poor mental health and burnout in aid workers.
2. To identify the risk and resilience factors moderating the impact of such stressors on mental health.

3. To provide recommendations for selection, training, and management of aid workers, and effective intervention for stressed individuals.

The outcomes of the research will be used to make recommendations to non-governmental organizations (NGOs) on how to best prevent stress-related illness in their staff, to improve retention and productivity of aid workers, and to enhance the well-being of humanitarian aid workers around the world. *Project is funded by the CDC, Atlanta.*

The Cross-Sectional Studies of Stress in National Humanitarian Aid Workers

Faculty Investigator: Dr. Cynthia Eriksson

It is generally agreed that 90% of all aid work is performed by individuals working in their own home setting. Therefore, in addition to the longitudinal study, the Antares research team has prioritized understanding the stresses inherent in the experience of aid workers employed or volunteering in their own national context. During the 2008-2009 academic year, the Headington Program faculty and students collaborated on national staff surveys in Amman, Jordan, and Gulu, Uganda.

Participating institutions are the Centers for Disease Control and Prevention (CDC), Atlanta, USA; University of Amsterdam, Amsterdam, Netherlands; Fuller Theological Seminary, Pasadena, USA, Tulane University School of Public Health and Tropical Medicine, New Orleans, USA, and the Antares Foundation, Diemen, Netherlands.

Research Team (*in alphabetical order*): Jeffrey Ansloos, Thomas Duke, Kimberly Michael, and Ann Yeh

Post Election Violence in Nairobi, Kenya



Faculty Investigator: Dr. Cynthia Eriksson

The Oasis Counseling Center is founded and run by a Fuller Seminary, School of Psychology alumnus, Dr. Gladys Mwititi. In July 2008, two doctoral students travelled to Nairobi, Kenya to support the process of entering clinical intervention data collected during trainings and reconciliation seminars after the election violence of early 2008. This data will be used to help answer questions about the nature of the relationships between types of trauma exposure and posttraumatic stress symptoms, as well as the ways that Kenyans utilized different types of coping in response to the tragic events.

Research Team (*in alphabetical order*): Hana Shin and Melinda Tomosada.

Stress and Adjustment in Urban Ministry Workers. Risk and Resilience in Urban Ministry Project

Faculty Investigator: Dr. Cynthia Eriksson

The Risk and Resilience in Urban Ministry project is funded by Fuller Youth Institute and it was designed to extend organizational knowledge of current staff needs, experience of stressors, and level of personal functioning. The survey assessing stressors, spirituality, resource utilization and personal functioning was sent to urban ministry organizations in 5 US cities: Los Angeles, Phoenix, Chicago, Memphis, and Philadelphia. Surveys were returned between July 2006 and October 2006. Analysis of this data in the 2008-2009 academic year centered on the experience of chronic stress and burnout in workers who were urban teachers, as compared to non-teaching colleagues. In addition, the relationship between religious coping and early exposure to traumatic events was examined.

Research Team (*in alphabetical order*): Jean Min Chan and Sean Love

Trauma and Spiritual Development in Urban Ministry Workers Project

Faculty Investigator: Dr. Cynthia Eriksson

Dr. Eriksson and the Headington Lab completed a survey of risk and resilience factors in urban ministry workers 3 years ago. As a follow-up and extension of that study, the research team has proposed a study to look more deeply at the ways that traumatic experiences influence one’s development of faith and spirituality, as well as how spirituality may buffer the effects of trauma exposure. The lab used time in 2008-2009 to begin the literature review that will support the project design and data collection in early 2010.

Research Team (*in alphabetical order*): Thomas Duke, Amy Kim, Susan Sheu, and Ann Yeh

Guatemalan Aid Worker Project



Faculty Investigator: Dr. Katharine Meese Putman

Co-Investigator: Dr. David Foy, Professor of Psychology, Pepperdine University

The Guatemalan Aid Worker Project consisted of a survey of 135 aid workers in Guatemala as well as focus groups with several Guatemalan non-governmental organizations. This project assesses risk for direct and indirect trauma exposure and adverse outcomes among Guatemalan aid workers, specifically, community violence exposure, exposure to traumatic loss, complicated grief symptoms, posttraumatic stress symptoms, burnout, and private religious practices. The focus groups also explore culturally specific religious coping among these participants.

Research Team (*in alphabetical order*): Jarrett Ellington, Autumn Gallegos, and Julia Lea

Faith and Coping

Religious Support, Religious Coping, and Illusory Control



Faculty Investigator: Dr. Jeff Bjorck

The Faith and Coping research program of Jeff Bjorck and his students has continued focusing in two major areas during the past year, and returned to focusing on a third. One involves the study of religious support among adults of various ethnocultural groups and faiths. The other involves the assessment of religious support and religious coping among Christian adolescents. The work on religious support continues to build on earlier work with the Religious Support Scale (Fiala, Bjorck, & Gorsuch, 2002), a measure originally normed on Christian adults. Research has involved the ongoing development of three major new psychometric measures. Finally, the adult religious coping research has resumed.

Faith Universal Religious Support

Faculty Investigator: Dr. Jeff Bjorck

Dr. Bjorck and his students are studying the effects of religious support perceived from: a) one’s God concept, b) one’s religious leaders, and c) one’s fellow participants. A Faith-Universal Religious Support Scale (FURSS) has been developed. Thus far, this measure has been used to assess the following samples obtained in the Southern-

California area: a) 64 Korean Buddhists, b) 65 English-speaking Muslim university students, and c) 295 Korean Christians. In addition, a web-based survey assessed 697 English-speaking Muslim adult women from around the world, including 304 converts to Islam residing in the USA. All five of these studies have consistently shown that perceived religious support is related to better psychological functioning, above and beyond the effects of general social support. Most recently, a data collection is being pursued in India among Hindus. During 2008-2009, a publication related to the Muslim data (focused on reasons for conversion) was published. Two articles, focused on religious support among short-term missionaries and international relief workers, respectively, are also now in press. Several articles are in preparation.

Research Team (*in alphabetical order*):
 Katrina Gayles,
 Audrey Maslim,
 Chris Waters, and
 Gu-Hwa Yi



Religious Support among Adolescents

Faculty Investigator: Dr. Jeff Bjorck

This project involves modifying the original Religious Support Scale for adults in two ways. First, the measure enables faith-universal assessment, and second, its wording targets adolescent populations. In both the pilot study, with 62 church youth group attendees, and the first formal study, with 500 Christian school students, the measure showed excellent psychometric properties. In addition, religious support was consistently related to better psychological functioning. During 2008-2009, one dissertation was completed, and one publication is in preparation.

Research Team (*in alphabetical order*): Robert Braese, David Gilliland, Grace Kim, and Joey Tadie

Religious Coping among Adolescents

Faculty Investigator: Dr. Jeff Bjorck

Whereas a growing literature addresses religious coping in adults, virtually none has focused systematically on adolescents. Development of this new measure by Dr. Bjorck and his students involved the same two samples of 62 and 500 mentioned above. Preliminary findings showed that adolescents use both avoidant and approach religious coping. In addition, their strategies can be classified as active versus passive. Seven subscales were developed: (a) God Focused Coping, (b) Deferring to God, (c) Seeking Religious Support, (d) Constructive Distraction, (e) Questioning, (f) Avoidance, and (g) Denial. Preliminary findings suggest that some strategies are generally associated with better functioning (e.g., God Focused and Seeking Religious Support) whereas others are generally linked with poorer functioning (e.g., Questioning and Avoidance). Currently, a longitudinal study on adolescent religious coping is beginning. During 2008 – 2009, one major two-study article is now in press in connection with this research. One dissertation is also in progress. One dissertation and one master's are in progress.

Research Team (*in alphabetical order*): Robert Braese, David Gilliland, and Joey Tadie

Religious Coping among Adults

Faculty Investigator: Dr. Jeff Bjorck

One study assessing adult coping, including religious coping, and its relationship to stress-related growth was completed this year. This research also provided the basis for a completed master’s project and a related publication that is in progress. Two new projects are also underway, both of which will provide the bases for master’s projects and related publications. The first focuses on the impact of religious coping on the use of cyberporn among college male Christians. The second focuses on religious coping among married couples.

Research Team (*in alphabetical order*): Katie Byron, Eric Nelson, and Briana Van Scoy

Community Violence and Trauma

Community Violence and Trauma in El Salvador: Supporting Teachers to Cope with Traumatic Stress

Faculty Investigators: Dr. Kathy Putman and Dr. Lisseth Rojas-Flores

Co-Investigators: Dr. Sofia Herrera and Dr. David Foy

The Community Violence and Trauma in El Salvador study is a collaborative undertaking with the Episcopal Dioceses of El Salvador, the Salvadorian Minister of Education, and Fuller Theological Seminary. The purpose of the project is to document levels of community violence and post-traumatic stress symptoms as well as to identify potential buffers of stress and trauma for teachers in El Salvador. A survey was given to 190 teachers in El Salvador. Measures include religious coping, forgiveness, fatalism, posttraumatic stress symptoms, depression, burnout, and community violence exposure. Results will be reported to the Bishop and Minister of Education in El Salvador. Additionally, manuscripts will be prepared for submission to academic journals for publication and will contribute to our understanding of risk and resilience for caregivers in Central America.

Research Team (*in alphabetical order*): Clara Aparicio, Robin Blair, Monica Felix, Alexandra Linscott, and Amy Potts

LAPD Curriculum Change Evaluation Project

Faculty Investigator: Dr. Katharine Meese Putman

Co-Investigator: Dr. Luann Pannell

The LAPD Curriculum Change Evaluation Project is a collaborative effort between the LAPD Training Division, the State of California’s Peace Officer Standards and Training Division, and Fuller’s School of Psychology. The aim of the project is to evaluate the impact of a change in curriculum at the Los Angeles Police Academy on officers’ perceptions of preparedness for the job and their performance in the field. Specifically, officers will be evaluated on their problem solving skills, community orientation, professionalism/ethics, tactics, and communication skills.

Research Team (*in alphabetical order*): Tim Arentsen, Megan Gomez, Adrienne Meier, Lee Perry, Stephanie Salo, Tyler Wasson, and Jenna Wierenga





CSSTA Publications and Presentations

Papers in Peer Reviewed Journals

- Maslim, A. A., & Bjorck, J. P. (2009). Reasons for conversion to Islam among women in the United States. *Psychology of Religion and Spirituality, 1*, 97-111.
- Putman, K. M., Lantz, J. I., Potts, A. A., Gallegos, A., Hererra, S., Eriksson, C., Steenwyk, M., & Foy, D. W., (2008). Cultural understandings of child sexual abuse from aid workers and parents at the Guatemala City dump community. *Journal of Child and Adolescent Trauma 1*. 349-364.
- Putman, K. M., Lantz, J. I., Townsend, C. L., Gallegos, A., Potts, A., Roberts, R., Cree, E., de Villagran, M., Eriksson, C. B., & Foy, D. W., (2009). Exposure to violence, support needs, adjustment, and motivators among Guatemalan humanitarian aid workers. *American Journal of Community Psychology, 44*, 109-115.
- Putman, K. M., Townsend, C., Lantz, J., Roberts, R., Gallegos, A., Potts, A., Eriksson, C. B., & Foy, D. W. (2009). Reports of community violence exposure, traumatic loss, Posttraumatic Stress Disorder and Complicated Grief among Guatemalan aid workers. *Journal of Traumatology, 15*, 40-47.

Presentations at Professional/Scientific Meetings and Published Abstracts

- Cree, E., Roberts, R., Meese Putman, K., & Eriksson, C. B. (2008, November). *Language of secondary traumatic stress found in nonprofit, national workers in Guatemala*. Poster presented at the 24th Annual Meeting of the International Society for Traumatic Stress Studies, Chicago, IL.
- Lyons, J. A., Eriksson, C. B., Drescher, K. D., & Foy, D. W., (2008, November). *Integrating spirituality in training and care*. Panel discussion presented at the 24th Annual Meeting of the International Society for Traumatic Stress Studies, Chicago, IL.
- Tilahun, B., Lee, H., Love, S., & Eriksson, C. B., (2008, November). *Chronic stress and burnout among urban workers*. Poster presented at the 24th Annual Meeting of the International Society for Traumatic Stress Studies, Chicago, IL.
- Maslim, A. A., & Bjorck, J. P. (2008). *Conversion to Islam among Women in the United States*. Poster presented at the 116th Annual Convention of the American Psychological Association, Boston, MA.
- Roberts, R. C., Cree, E., Gallegos, A., Potts, A. A., Putman, K. M., & Foy, D. W. (2008, November). *Vicarious trauma exposure, community violence exposure, and PTSD among Guatemalan aid workers*. Poster presented at the 24th Annual Meeting of the International Society for Traumatic Stress Studies, Chicago, IL.

Papers, Books, Book Chapters Accepted/In Press

- Bjorck, J. P., Braese, R. W., Tadie, J. T., & Gililand, D. D. (in press). The Adolescent Religious Coping Scale: Development, validation, and cross-validation. *Journal of Child and Family Studies*.
- Bjorck, J. P., & Kim, J. W. (in press). Religious coping, religious support, and psychological functioning among short-term missionaries. *Mental Health, Religion, and Culture*.
- Eriksson, C. B., Bjorck, J., Larson, L., Walling, S., Trice, G., Fawcett, J., Abernethy, A., & Foy, D. (in press). Social support, organizational support and religious support in relation to burnout in expatriate humanitarian aid workers. *Journal of Mental Health, Religion, and Culture*.

Center for Research in Psychotherapy and Religion

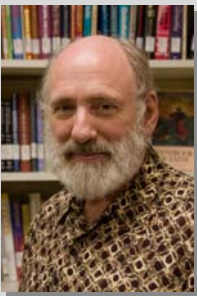
Center Description and Mission

The Center for Psychotherapy and Religion (CPR) is the newest TRI research center, initiated in the Fall 2004. CPR is committed to the empirical and theoretical study of psychotherapy and religion and their interaction. Our goal is to improve the quality of treatments, the training of therapists, and the mental health delivery system through research and scholarship. CPR focuses on the relationship between psychotherapy process and outcome; the appropriate role of religion in psychotherapy; and the impact of public policy on mental health reform. The Center is committed to high caliber clinical outcome and process research that addresses practical issues facing therapists on the front-line of treatment delivery, and CPR aims to be a national resource for information on religiously sensitive therapy and a venue for training graduate students and post-doctoral clinicians. Moreover, we promote scholarly research that encourages public policy that is supportive of and sensitive to matters of religion and spirituality.

Faculty involved

Faculty (in alphabetical order): Drs. Al Dueck, Scott Garrels, Winston Gooden, and Siang-Yang Tan

Spirituality, Language and Behavioral Transformation



Faculty Investigator: Dr. Alvin Dueck

Dr. Dueck's research laboratory has several foci: reported religious/spiritual experiences by moral exemplars from different religious traditions, theoretical and theological reflections on psychotherapy, scale construction of communal spirituality, and international perspectives on psychotherapy.

Articles and presentations of this lab are available at: <http://www.fuller.edu/academics/school-of-psychology/integration-publication-by-chair.aspx>

Spiritual Transformation in Three Religious Groups: Christianity, Judaism and Islam.

This project interviewed moral exemplars from three religious groups: Christianity, Judaism, and Islam. Participants were asked to describe their experience of spirituality and spiritual transformation. Interviews are analyzed using current computational linguistic programs. The research was funded by a grant from the Metanexus Institute and preliminary results have been reported at various conferences.

Theoretical and Theological Reflections on Psychotherapy

This research group focuses on the intersection of philosophical/social issues with religion accommodating psychotherapy. Dissertations have been written on feminism and therapy, relational psychoanalysis and religious discourse, Jewish resources for therapy, and Augustinian perspectives on psychoanalysis.

Scale Construction of Communal Spirituality

Many of the current instruments assessing spirituality assume it is an individual experience. However, there are religious traditions and cultures that emphasize communal spirituality. The scale has been tested and further studies in validity and reliability are being conducted.

International Perspectives on Psychotherapy

The pattern over the past century has been to export Western psychology to countries developing psychological departments of study. In many parts of the world, these departments now resemble Western approaches to research and therapy. This group explores the nature of indigenous approaches to therapy in religious and non-religious cultures.

Research Team (*in alphabetical order*): Sabrina Abney, David Choi, Neil Cortez, Lisa Finlay, Adam Ghali, David Goodman, Scott Grover, Steven Huett, Istvan Kasco, Julia Langdal, Sabrina Lee, Robert Turnbull, Elizabeth Welsh, Christopher Nahumck, and Dr. Scott Garrels

Imitation, Mimetic Theory, and Religious and Cultural Evolution



Faculty Investigator: Dr. Scott Garrels

Awarded to help further scientific understanding of the relationship between human motivation, culture, and religion, this grant project is a Templeton Advanced Research program sponsored by the Metanexus Institute on Religion and Science and Imitatio: Integrating the Human Sciences. The overall objective of this project is to pioneer interdisciplinary collaboration between scholars of René Girard's mimetic theory of culture and religion and imitation researchers from the empirical sciences.

During the last century of immense scientific progress, the pervasive and foundational role of imitation in human life was either largely ignored or misunderstood by empirical researchers. This is no longer the case. Recent and revolutionary research from developmental psychology, cognitive neuroscience, neurophysiology, and comparative psychology has revealed that imitation is not only a distinct human ability, but also one that is foundational to the emergence and continued functioning of those characteristically human forms of social intelligence, language, rationality and culture. As such, empirical investigations on human imitation are now among the most profound and innovative areas of research contributing to the future of a more unified and coherent understanding of the cognitive and social sciences.

What is more, several decades before empirical research prompted a surge of interest in imitation, the French cultural theorist René Girard had already articulated his Mimetic Theory. Early on Girard identified the generative role of imitation on human motivation, including a profound understanding of human violence and its resulting implications for the study of



human culture and religion. Since his initial discoveries, Girard's work has only gained increased respectability, spawning diverse applications across a wide range of disciplines and methodological domains.

Yet remarkably, despite the enormous success and inherent overlap between these two fields, there have been no substantial inquiries concerning the critical question of human imitation, which have applied and synthesized recent empirical research with Girard's mimetic theory of culture and religion. The purpose of this project is to do just that: to commence a research program that will pioneer interdisciplinary collaboration between *mimetic scholars* and *empirical researchers* concerning the core mechanisms of imitation and their powerful implications for the study of the human mind, culture and religion. It is our hope that this project will be used for the commencement of a more long-term initiative in helping us to better understand and appreciate the incredible nature of human life, culture, and religion: an appreciation that is essential for transforming human relationships through infinitely more imaginative and non-violent ways of relating.

The third of three project symposiums took place, in Paris, France on December 6-8, 2008. Attending this second meeting were several mimetic scholars and members of the Colloquium on Violence and Religion (COV&R), including cultural theorist and pioneer of the mimetic theory René Girard (Stanford University), social and political philosopher Jean-Pierre Dupuy (Stanford University), philosopher Paul Dumouchel (Ritsumeikan University, Japan), anthropologist Mark Anspach (École Polytechnique, Paris), pastor and theologian Robert Hamerton-Kelly (Stanford University), and psychiatrist Jean-Michel Oughourlian (University of Paris).



Andrew Meltzoff (University of Washington), developmental psychologist and the internationally recognized expert on infant imitation was also present, as well as neurophysiologist Vittorio Gallese (University of Parma, Italy), one of the pioneering discoverers of mirror neurons, and developmental psychologist Ann Kruger (University of Georgia). In addition, several prominent interdisciplinary scholars and researchers also participated in the weekend's events, including physician and biological anthropologist Melvin Konner (Emory University), including physician and bio-ethicist William Hurlbut (Stanford University) and neuroscientist Warren Brown (Fuller Graduate School of Psychology).

The primary goals and activities of this and the following symposium are a) to present and discuss the latest advances on imitation research from developmental psychology, cognitive neuroscience, neurophysiology, evolutionary theory, and related disciplines in the humanities and social sciences represented by mimetic scholars, b) to develop various core research topics to be investigated by each participant that will be reviewed and integrated as chapters and published as an edited book, and c) to develop additional research questions, methodologies, and grant proposals for continued collaborative work between scholars and institutions.

For more information about this grant project visit: <http://www.mimetictheory.org>



CPR Publications and Presentations

Papers in Peer Reviewed Journals

- Dueck, A., Langdal, J., Goodman, D., & Ghali, A. (2009). Prophetic words for psychologists: Particularity, ethics and peace, *Pastoral Psychology*, 58: 289–301
- Dueck, A., Reimer, K., & Finlay, L. (2008). Secularity, psychology and the Mennonite university. *Direction*, 37, 38-49.
- Ghali, A., & Dueck, A. (2008). Lost in translation: Response to Watson, *Edification: Journal of the Society for Christian Psychology*, 2, 25-27.
- Tan, S.-Y. (2008). Faith in psychology and counseling: Being Spirit-filled servants of Jesus Christ. *Edification: Journal of the Society for Christian Psychology*, 2(1), 63-68.
- Tan, S.-Y. (2009). Developing integration skills: The role of clinical supervision. *Journal of Psychology and Theology*, 37, 54-61.

Books, Book Chapters, and Other Publications

- Dueck, A., & Reimer, K. (2009). *A peaceable psychology*, Grand Rapids: MI: Brazos Press.
- Dueck, A. (2008). Worship as transformed lives, in A. Abernethy (Ed). *Worship that changes lives: Multidisciplinary and congregational perspectives on spiritual transformation* (pp. 348-368). Grand Rapids, MI: Baker Books.
- Dueck, A., Reimer, K., Morgan, J., & Brown, S. (2009). Let peace flourish: Descriptive and applied research from the Conflict Transformation Study. In M. Abu-Nimer & D. Augsburg (Eds.), *Peace-building by, between, and beyond Muslims and Evangelical Christians* (pp. 233-254). Lanham, MD: Lexington Books.
- Reimer, K. S., Dueck, A., Adelchanow, L., & Muto, J. D. (2009). Developing spiritual identity: Retrospective accounts from Muslim, Jewish, and Christian exemplars. In M. de Souza et al. (Eds.), *International handbook of education for spirituality, care and wellbeing* (pp. 507-523), International Handbooks of Religion and Education vol. 3. New York: Springer.
- Reimer, K., Dueck, A., Morgan, J., & Kessel, D. (2008). A peaceable common: Collective wisdom from exemplar Muslim and Christian peacemakers. In A. Day (Ed.). *Religion and the individual* (pp. 79-94). Aldershot, United Kingdom: Ashgate.
- Shenk, W., & Dueck, A. (2009). Social location and Christian identity: Some historical perspectives. In M. Abu-Nimer & D. Augsburg (Eds.), *Peace-building by, between, and beyond Muslims and Evangelical Christians* (pp. 115-128). Lanham, MD: Lexington Books.
- Tan, S.-Y. (2009). The primacy of servanthood. In E.O. Jacobsen (Ed.), *The three tasks of leadership* (pp. 77-90). Grand Rapids, MI: Eerdmans.

Presentations at Professional/Scientific Meetings and Published Abstracts

- Dueck, A. (2008, October). *The integration of spiritual issues in therapy: A professional consultation for Christian clinicians, hub and spokes counseling program*. Presented in Hong Kong, China. Sponsored by Gerald T. Lui.
- Dueck, A. (2008, September). *Levinas and Girard on violence*. Lecture given to the American Psychological Association.



- Dueck, A. (2008, September). *Religion, community mental health and disaster relief*. Lecture at Western China Hospital, Chengdu, China.
- Dueck, A. (2009, March). *Case analysis of a male stalker*, Human resources, counselors from SMIC.
- Dueck, A. (2009, March). *Community mental health and disaster*. Lecture at the Chengdu Psychology of Religion Conference, and Fudan University, Chengdu, China.
- Dueck, A. (2009, March). *Levels of pastoral care in the congregation*. Lecture at Guangzhou Seminary, Chengdu Seminary, and Wuhan Seminary, China.
- Dueck, A., & Huett, S. (2008, September). *Healing in international contexts: Indigenous, homogenous, and/or Christian?* Presented at the Health Care Missions Conference, Pasadena, CA.
- Dueck, A., & Ting, S.-K. (2008, October). *Indigenization and psychotherapy: Why cultural identity matters*. Presented at the World Congress of Psychotherapy, Beijing, China.
- Garrels, S. (Organizer) (2008 December). *Imitation, mimetic theory, and religious & cultural evolution*. Symposium sponsored by Metanexus and Imitatio, Paris, France.
- Goodman, D., Dueck, A., & Finlay, L. (2008, August). *The vulnerable other as sacred: The role of enactment in psychoanalytic psychotherapy*. Presented to the North American Levinas Society, Seattle, WA.
- Knuth, E. C., & Dueck, A. (2008, October) *Body image satisfaction in Spanish, American, and Chinese college students: Implications for treating eating disorders across cultures*. Presented at the World Congress of Psychotherapy, Beijing, China.
- Liu, E., Dueck, A., & Augsburg, D. (2008, October). *"Blessed Are Those Who Mourn, For They Will Be Comforted": Reflection and envision of grieving approach to Chinese bereavement*. Presented at the World Congress of Psychotherapy, Beijing, China.
- Ramos, J. S. C., & Dueck, A. (2008, October). *Finding peace in Acceptance and Commitment Therapy: Reflections on the integration of Taoist philosophy and psychotherapy*. Presented at the World Congress of Psychotherapy, Beijing, China.
- Tan, S.-Y. (2008, July). *Putting positive psychology into practice: A Christian perspective*. Workshop presented at the Conference on Wholistic Christian Counseling in Asia 2008, Singapore.
- Tan, S.-Y. (2008, July). *Experiencing God through Christian counseling: Implicit and explicit integration*. Plenary Addresses at the Conference on Wholistic Christian Counseling in Asia 2008, Singapore.
- Tan, S.-Y. (2008, August). *Integrating religious and spiritual interventions in psychological treatment*. 7 hr. Workshop presented with Ed Shafranske at the 116th Annual Convention of APA, Boston, MA.
- Tan, S.-Y. (2008, September). *Freedom in Christ: Spiritual disciplines and authentic disciplines*. Plenary Addresses at the Conference on Authentic Spirituality, Vancouver, BC, Canada.
- Tan, S.-Y. (2008, October). *Suffering and stress-related growth: Authentic disciplines and spiritual disciplines*. Plenary Address at the AACC West National Conference, Dallas, TX.
- Tan, S.-Y. (2008, October). *Spiritually oriented cognitive-behavioral therapy: A Christian approach*. Workshop presented at the AACC West National Conference, Dallas, TX.
- Teller, C., & Dueck, A. (2008, October). *On shame and shaming: Reintegrative shame in family therapy with Asian families*. Presented at the World Congress of Psychotherapy, Beijing, China.

Papers, Books, Book Chapters Accepted/In Press

- Tan, S.-Y. (in press, 2009). My integration journey: Reflections of a Christian psychologist and pastor. In G.L. Moriarty (Ed.), *Integration journeys*, Downers Grove, IL: InterVarsity Press.

Other TRI Research

Marriage and Family

Conflict Resolution in Families:



Faculty Investigator: Dr. Mari Clements

This project examines the effect of marital conflict on individual and parent-child functioning in intact families with four-year-old children. Of particular interest are a) the relations between parental marital conflict and children's emerging self-regulation of emotion and behavior and b) gender differences in parenting in the presence of marital conflict. Results have generally supported links between marital conflict and children's dysregulation of behavior and emotion. Further, support has been found for mediated models of fathering in which marital conflict appears to negatively impact fathers' perceptions of their own parenting and of their

relationship with their children. These more negative evaluations of the father-child relationship, in turn, are related to observed father-child interactions.

Research team (*in alphabetical order*): Amanda Cassil, Becky DeWaay, Kelly Goehring, Terry Hong, Lisa Liu, Lydia Mariam, Rebeca Marin, Jessica Plumley, Niveen Soliman, Martha Wang, and Matthew Williams



Dr. Clements' Publications and Presentations

Presentations at Professional/Scientific Meetings and Published Abstracts

- Wang, M. J., Clements, M., Mogil, C., Dillon, A. R., Frankel, F., & Laugeson, E. A. (2009, May). *Adaptive functioning as a predictor of treatment success in the UCLA PEERS program*. Poster presented at the International Meeting for Autism Research, Chicago, IL.
- Clardy, C. E., Mariam, L. C., & Clements, M. L., (2008, November). *Self-efficacy as a predictor of demand-withdraw pattern in couples' communication*. Poster presented at the annual convention of the Association for Behavioral and Cognitive Therapies, Orlando, FL.
- Mariam, L. C., Soliman, N. N., Evangelatos, C., & Clements, M. L., (2008, November). *The development of the Conflict Resolution Strategies Scale Short Form (CRSS-SF)*. Poster presented at the annual convention of the Association for Behavioral and Cognitive Therapies, Orlando, FL.

Parenting in Context: Research with Immigrant and Minority Parents



Faculty Investigator: Dr. Lisseth Rojas-Flores

These research projects aim to learn about some of the culturally and contextually unique challenges faced by immigrant families in raising their children in the United States. The purpose of the *Child-rearing values and practices of Salvadoran parents living in the US and El Salvador* study is to explore the impact of community violence exposure on parenting practices and values of Central American parents. Focus groups explore the role that spirituality and the church play in buffering some of the ill effects of community violence and trauma. The impact of immigration and acculturation is also explored with surveys and focus groups. Two other studies aim to advance the limited research on Asian immigrant families by identifying factors that contribute to the quality of parent-child relationships among Asian immigrant parents and their children. As parent-child relationships have been demonstrated to have an especially strong impact on children’s adjustment and outcomes, one qualitative study sought to explore immigrant Asian parents’ perspective on parenting in the US. Another, quantitative study examines the associations between the parent-child acculturative gap, quality of communication, and quality of parent-child relationships in a sample of Asian American adolescents ($N = 141$). Our ultimate goal is to design culturally-sensitive parenting programs that can be helpful to immigrant and minority families.



Research Team (*in alphabetical order*): Marisol De Jesus, Emily Hong, Rebecca Kulzer, Elizabeth Lin, Sarah Moon, Jenel Ramos, Jennifer Clark, and Tyson Grubb

Dr. Rojas-Flores’ Publications and Presentations

Presentations at Professional/Scientific Meetings and Published Abstracts

- Ramos, Z., Rojas-Flores, L., Herrera, S., & De Jesus, M. (February, 2009). *Community violence exposure and parental self-efficacy: A comparison of Salvadorians parents residing in the US and in El Salvador*. Poster presented at the International Conference on Parenting and Parent Education, Daton, TX.
- Carmona, H., Rojas-Flores, L., & Furrow, J. (April, 2009). *Youth violence prevention from the perspective of community-based programs: A qualitative look at barriers to best practices*. Poster presented at the Society for Research in Child Development (SRCD). Biennial Meeting in Denver, CO.
- Lin, E., Siswanto, N., Hong, E., Paik, S., & Rojas-Flores, L. (May, 2009). *Parent-child relationships in Asian immigrant families*. Poster presented at the Society for Prevention Research in Washington, DC.
- Potts, A., Putman, K., Rojas-Flores, L., Herrera, S., & Foy, D. (November, 2009). *Community violence, forgiveness, & posttraumatic stress disorder among Salvadoran teachers*. Poster presented at the International Society for Traumatic Stress Studies, Atlanta, GA.

Effectiveness of the Restoration Model in Intensive Marital Therapy Faculty



Faculty Investigator: Dr. Terry Hargrave

Efforts have recently been made in adapting integrative marital therapy within the intensive context, which most often consists of sequestering two to five couples to participate in group therapy for three to five days. One of these models of integrative therapy used in an intensive format is restoration therapy (RT). This research program is intended to study the effectiveness of the RT approach in couple therapy in an intensive format.

The first part of the study is to analyze data on relationship satisfaction, depression, and conflict resolution. Data on these factors was gathered before the intensive intervention with the study group and has been followed up with a three to six month post-intensive measurement and will also be followed by a six-month post-intensive measurement. The results of this part of the study will show the effectiveness of the marital intensive model on improving relationship satisfaction and lowering depression.

The second part of the study will recruit the therapists who practice the restoration model in an intensive format and at least 8 individual participants who attended an intensive. Therapists and participants will answer a series of questions to help identify the salient factors in the RT model. Answers of therapists and participants will be analyzed for content and consistency with the RT model. The intent of this aspect of the project is to move toward identifying the essential factors of the RT model from those who practice the approach and those who experience the approach in therapy.

Research Team (*in alphabetical order*): Vanessa Klessert and Andrew Sonnekalb.

Emotionally Focused Couple Therapy: Process and Training Research



Faculty Investigator: Dr. Jim Furrow

Couple distress is the single most common reason for seeking therapy. It undermines family functioning and is strongly associated with depression, anxiety disorders, and alcoholism. Emotionally Focused Therapy for Couples (EFT) offers a comprehensive theory of adult love and attachment, as well as a process for healing distressed relationships.

This research program includes a series of process research studies on the use of Emotionally Focused Couples Therapy (EFT) in facilitating key change events in the EFT model.

The first study is of the blamer softening event based on the study of practitioners trained in EFT. This follow-up study provides a "field-based" analysis of softening events facilitated by second and third generation EFT therapists. The study recruited 10 clinical examples of a blamer softening events that are being analyzed using task analysis. Results from the study promise to confirm and inform the mini-theory as initially proposed.

The second study examines therapist interventions and client responses in successful and unsuccessful softening events. Specifically, the study tests the assumption that client emotional experiencing is important to a successful softening event and that the level of therapist emotional engagement is essential in facilitating a productive softening event. Five transcripts and in-session examples are being compared using measure of experiencing and vocal quality for the therapist and client alike.

Research Team (*in alphabetical order*): Shenelle Edwards, Kyle Isaacson, and Kelly Muhonen

Dr. Furrow’s Publications and Presentations

Books, Book Chapters, and Other Publications

Furrow, J. L. (2008). Trading bonds for bargains: Inside the practice of emotionally focused couple therapy. *The Los Angeles Psychologist*, 22, 6-7.

Furrow, J. L., & Edwards, S. A (2009). Brief problem focused therapy: The mental research institute approach. In B. Bradley (Ed.), *Reviewing our common body of knowledge: MFT license exam preparation manual, fourth edition*. Texas Association for Marriage and Family Therapy: Austin, TX.

Presentations at Professional/Scientific Meetings and Published Abstracts

Furrow, J. (2008) *Reaching inside and in-between: An EFT approach to stuck patterns in couple relationships*. Seminar presentation at the annual convention of the Los Angeles Psychological Association, Los Angeles, CA.

Klacsman, A., & Furrow, J. (2008, November). Rebuilding broken bonds. In R. Marin (Chair), *Infidelity and couple therapy: Exploring rates, risks, and recovery from affairs*. Symposium conducted at the annual meeting of the Association of Behavioral and Cognitive Therapies, Orlando, FL.

Papers, Books, Book Chapters Accepted/In Press

Steenwyck, S. A., Doeden, M. A., Furrow, J. L., & Atkins, D. C. (in press). Relational disorders., In P. Sturmey & M. Hersen (Eds.), *Handbook of evidence-based practice in clinical psychology*. Hoboken: NJ: J. Wiley & Sons



Student Mentoring and Support

The TRI research centers have been able to support student research in various ways not only by creating research assistantship and fellowships opportunities but also by financially supporting the students' attendance and presentation at professional conferences.

During the academic year 2008-2009, a total of 16 students have been presented with research fellowships and additional 19 held research assistantships for a total amount of \$238,470 in funding.

TRI Research Fellows

Kathryn Harrell

SOP Research Fellows

(in alphabetical order)

Emily Andrews (Thrive fellow)

Kathryn Byron

Francisco Chaves (Tranzow fellow)

Casey Clardy (Thrive fellow)

Roger Erickson

Andrew Geddert (Thrive fellow)

Adam Ghali

Scott Grover

Curtis Lehman

Elizabeth Lin

Lydia Mariam

Shawneen Pazienza

Amy Potts

Stella Panos

TRI Research Assistants

(in alphabetical order)

Brandon Birath

David Blakey

Kayla Davidson

Wes Dorsett

Shenelle Edwards

Roger Erickson

Kyle Isaacson

Jean Min

Kelly Muhonen

Joe Muto

Jenel Ramos

Heather Schroeder

Andrew Sonnekalb

Chloe Teller

Julie Way

Christopher Waters

Ann Yeh

Dahyun Yi

Christina Young

One of the most critical areas of work in TRI is mentoring students in their graduate training and research. Students have always been encouraged by their faculty mentors to attend and present to national and international professional conferences. In the past year, TRI was able to provide financial support of approximately \$3,900 to 18 students for participation to meetings including International Neuropsychological Society, Association of Behavioral and Cognitive Therapies, 5th World Conference for Psychotherapy, the Society for Students of Psychology and Wesleyan Theology, the Society of Prevention Research, the Christian Association of Psychological Study, etc. The amount includes only funding provided by TRI for students that do not have access to grant money.



Research Grants and Funding

2008-2009

Total funding: \$410,309

Federal government and/or state funding	\$6,784
Institutes and other agencies	\$369,685
Private foundations grants and endowments rev	\$102,006
Other sources	\$33,840

Funding was provided by the following: Center for Theology and Natural Sciences, Institute for Christian Unity, Headington Institute, Search Institute, University of Oxford, the Thrive Foundation for Youth, John Templeton Foundation, Cal State University, etc.

Research Output

During the past year, 2008 through 2009, the scholarly output of the TRI faculty indicates significant progress and impact within the research domains represented.

TRI Center	Peer Reviewed publications	Books, Book Chapters, Other publications	Presentations at professional meetings	In-press Publications
Center for Biopsychosocial Research	1	2	6	6
Center for Research in Child and Adolescent Development	0	3	5	3
Center for the Study of Stress, Trauma and Adjustment	4	0	5	3
Center for Research in Psychotherapy and Religion	5	7	20	1
Other TRI Research	0	2	9	1
Total (2008-2009)	10	14	45	14

TRI Events

Books Publicity and Celebration

February 2009

Books Signing and Celebration

The Book Signing and Celebration was an opportunity to celebrate and promote three recent publications, two of which were co-authored by Dr. Warren Brown, *Did My Neurons Make Me Do It?* with Dr. Nancy Murphy and *Neuroscience, Psychology and Religion*, with Malcolm Jeeves. The event brought many School of Psychology alumni/ae together with current students and faculty as we celebrated the publishing of seminal works on the integration of neuropsychology and religion.

Symposium

April 2009

Imitation, Mimetic Theory, and Religious & Cultural Evolution.

An international and interdisciplinary symposium organized by Scott Garrels as part of his Templeton Advanced Research Program (TARP) sponsored by Metanexus and Imitatio. Among others, participants included Rene Girard (Stanford University), Andrew Meltzoff (University of Washington), Vitorrio Gallese (University of Parma, Italy), and Warren Brown (Fuller). This meeting was held at the Ecole Polytechnique Paris, France.

Research Colloquia

Fall 2008

Margaret Gatz, Ph.D., Professor of Psychology, Gerontology and Preventive Medicine, Department of Psychology, University of Southern California
Dementia in Swedish twins: Risk and protective factors for Alzheimer's Disease

Steven R. Quartz, Ph.D., Associate Professor of Philosophy, Division of the Humanities and Social Sciences, California Institute of Technology
The right and the good: The neural basis of distributive justice

Winter 2009

Marleen Wong, Ph.D., LCSW, Assistant Dean and Clinical Professor, School of Social Work, University of Southern California
Invisible wounds: The impact of community violence on children and Youth: A brief history of trauma and trauma treatment at home and abroad

Sandra Graham, Ph.D. Professor and Chair, Department of Education, University of California, Los Angeles
The psychological benefits and challenges of ethnics' diversity in urban schools

Joel Wong, Ph.D., Assistant Professor, Department of Counseling and Educational Psychology, Indiana University
New directions in theory and research on culture and mental health: Applications to Asian Americans



Spring 2009

Wei-Chin Hwang, Ph.D., Assistant Professor of Psychology, Claremont McKenna College

How do you adapt psychotherapy for Ethnic Minorities? An example of a bottom-up and top-down approach with depressed Chinese Americans

George Vaillant, M.D., Professor of Psychiatry at Harvard Medical School, Director of Research, Dept. of Psychiatry, Brigham and Women’s Hospital, Boston.

Why are the positive emotions of faith, hope and love so hard for clinicians to keep in mind?

Elizabeth Zelinski, Ph.D., Rita and Edward Polusky Chair in Education and Aging, Professor of Gerontology and Psychology, University of Southern California

Aging and brain plasticity: Principles of effective cognitive training for transfer

Fuller Travis Institute Student Research Colloquium

- Casey Clardy, Jenel Ramos (Dr. Pamela King) - *Adolescent spiritual exemplars: An exploratory study of spirituality in youth*
- Lydia Mariam (Dr. Mari Clements) - *Three paths to marital happiness: Conflict resolution in maritally satisfied couples*
- Scott Grover (Dr. Al Dueck) - *Conceptions of God across Muslim, Jewish, and Christian traditions: An empirical approach using the five factor model of personality*
- Roger Erickson (Dr. Warren Brown) - *Learning and memory in Agenesis of the Corpus Callosum*
- John Lee (Dr. John Martin) - *Examining pastoral consumption of cyberporn*
- Curtis Lehmann (Dr. Richard Gorsuch) - *A multivariate model of adolescent spiritual well-being, God concept, religious motivation, and religious coping*
- Andrew Geddert (Dr. Linda Wagener) - *Thriving across cultures: A comparison of a Ukrainian and Western views*
- Christopher Waters (Dr. Jeff Bjorck) - *The Beck Depression Inventory II: Psychometric assessment for a Korean language version*





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Excellence in Research and Scholarship