

New Faculty in the College of Arts and Sciences: Fall 2016

Biological Sciences

Dr. Karina Alvina, Assistant Professor: Dr. Alvina is a neurobiologist who is interested in understanding how brain cells, or neurons, communicate with each other in order to orchestrate the different functions of the central nervous system. In particular, she is studying neuronal mechanisms underlying learning and memory formation, both in normal conditions and in response to detrimental environmental factors known to critically affect brain function. Her studies are conducted using rodents and combining in vitro electrophysiology with a variety of animal behavior tasks. Dr. Alvina received her PhD in Biological Sciences from the Pontifical Catholic University of Chile. Before joining TTU she was a Postdoctoral Fellow in the Department of Neuroscience at Columbia University, and later in the Department of Neuroscience at the Albert Einstein College of Medicine (New York)

Recent Scholarship: Alvina, K., Lutz, S. and Castillo, P.E. Postsynaptic calcium dynamics associated with bidirectional plasticity of NMDA receptor-mediated transmission in the hippocampus. Society for Neuroscience, Annual meeting, San Diego, CA 2016.

Dr. Amanda Brown, Assistant Professor: Dr. Brown studies microbial metagenomics, characterizing the function of communities of microbes in various environments. Her focal question is how host-associated microbes interact, forming stable or opportunistic mutualisms that may facilitate or limit ecological processes such as species invasions, biomass production, or disease outbreak. She uses field and lab experiments, shotgun metagenomics, transcriptomics, microscopy, and advanced computational tools. Dr. Brown received her PhD in Molecular Ecology and Evolution from the University of British Columbia. She completed postdoctoral studies in Population and Comparative Genomics at the University of Montana and Oregon State University, receiving an AAUW Postdoctoral Fellowship.

Recent Scholarship: Brown, A.M.V., Howe, D.K., Wasala, S.K., Peetz, A.B., Zasada, I.A., Denver, D.R. (2015) Comparative genomics of a plant-parasitic nematode endosymbiont suggest a role in nutritional symbiosis. *Genome Biology & Evolution* 7(9):2727-2746.

Dr. Catherine Wakeman, Assistant Professor: Dr. Wakeman is a microbiologist investigating the effect of environment and interspecies interactions on microbial physiology. In particular, she is interested in studying the development of polymicrobial communities at the host-pathogen interface and the mechanisms by which microbial interactions can influence disease persistence and severity. To conduct these studies, she employs a variety of methodologies ranging from biochemistry and molecular biology to genetics and animal infection models. Dr. Wakeman received her PhD in Molecular Microbiology from the University of Texas Southwestern Medical Center in Dallas, TX. Prior to joining TTU, she was a Postdoctoral Fellow in the Department of Pathology, Microbiology, and Immunology at Vanderbilt University in Nashville, TN.

Recent Scholarship: Wakeman, C.A., Moore, J.L., Noto, M.J., Zhang, Y., Singleton, M.D., Prentice, B.M., Gilston, B.A., Doster, R.S., Gaddy, J.A., Chazin, W.J., Caprioli, R.M., and Skaar, E.P. (2016) The innate immune protein calprotectin promotes *Pseudomonas aeruginosa* and *Staphylococcus aureus* interaction. *Nature Communications*.

Dr. Zemfira Karamysheva, Research Assistant Professor: Dr. Karamysheva studies the roles of exocomes in the pathogenesis of Leishmania parasites. She will also work on identification of sphingosine kinase important for survival and virulence of protozoan parasites. Dr. Karamysheva received her PhD in Molecular Biology from Moscow State University in Russia. She performed her postdoctoral studies on protein translation termination in the Department of Tumor Biology, University of Tokyo, Japan. During her postdoctoral training at Texas A&M University she discovered that ciliated protozoan *Euplotes crassus* achieves a developmental switch in the telomerase catalytic subunit through programmed gene elimination (Cell, 2003). Before joining TTU Dr. Karamysheva was a Research Faculty at UT Southwestern Medical

Center where she studied the role of amino acid transporter SLC6A14 in inflammation, infection and pathogenesis of cystic fibrosis disease. She also participated in the teamwork on the project that led to the discovery of a novel pathway where aberrant protein expression leads to the elimination of its own mRNA template.

Recent Scholarship: **Karamysheva Z**, Díaz-Martínez LA, Warrington R, Yu H. 2015. Graded requirement for the spliceosome in cell cycle progression. *Cell Cycle*. 14(12): 1873-1883.

Department of Chemistry and Biochemistry

Dr. Jurgan Eckert, Research Professor: Dr. Jurgan examines molecular level characterization of active sites, guest-host interactions, and reactions in catalysts by combined application of computational methods, neutron scattering spectroscopy and other experimental methods to heterogeneous catalysis, coordination compounds, geologic and hydrogen storage materials.

Recent Scholarship: Eckert, Jürgen, Schüpbach, Ruth, Merkt, Frédéric, Meier, Beat H., Quack, Martin, Seyfang, Georg, Albert, Sieghard, Bolotova, Irina, Chen, Ziqiu, Fábri, Csaba, Horný, L'uboš and Hollenstein, Urs. XVIIth International Workshop on Quantum Atomic and Molecular Tunneling in Solids and other Phases. Hotel Dorint – Blüemlisalp, Beatenberg/Interlaken, Switzerland May 31 – June 3, 2015. ETH-Zürich (2015). <http://dx.doi.org/10.3929/ethz-a-010565081>

Dr. Praveen Kumar, Research Assistant Professor: Dr. Kumar conducts theoretical investigations of the structure and dynamics of molecules. He is interested in the dynamical motion of nuclei and electrons in molecules using optimal control theory to study the effect of different types of system and environmental noise on the control of molecular dynamics. His specialties include: energy and charge transfer dynamics in condensed phase biological systems, Line shape theory, Quantum Master equations, Optimal Control theory, Numerical methods, Gaussian, Programming in MPI, Fortran 90/95. Dr. Kumar received his PhD from Panjab University Chandigarh and was a Visiting Fellow at Bristol University before coming to TTU.

Recent Scholarship: Jacek Klos, Millard H. Alexander, **Praveen Kumar**, Bill Poirier, Bin Jiang, and H. Guo, New ab initio potential energy surfaces and bound state calculations for the singlet ground X^1A_1 and excited $C^1B_2(2^1A')$ states of SO_2 , *J. Chem. Phys.* 144, 174301 (2016).

Dr. Subha Pratihar, Research Assistant Professor: Dr. Pratihar's current research interests are to study the atomistic details of several processes such as: 1) Dynamics of soft landing of peptide ions on organic surfaces, 2) Dynamics of energy exchange in turbulent flows, 3) Dynamics of poly aromatic hydrocarbon (PAH) aggregation and dissociation related to soot formation, 4) Dynamics of chemical reactions in the gas phase and 5) Dynamics of collision induced dissociation of peptide ions. Dr. Pratihar applies advanced computational tools like: full quantum chemical calculations, chemical dynamics simulations, classical, QM+MM or QM/MM computer simulations etc. to delineate the structures, mechanisms and energetics of the above mentioned processes. Dr. Pratihar received his PhD in Computational Physical Chemistry from the Indian Institute of Technology- Kanpur, India. Dr. Pratihar did postdoctoral studies with Dr. William L. Hase at the Department of Chemistry and Biochemistry of Texas Tech University.

Recent Scholarship: **S. Pratihar**, G. L. Barnes, and W. L. Hase, (2016) Chemical Dynamics Simulations of Energy Transfer, Surface-Induced Dissociation, Soft-Landing, and Reactive-Landing in Collisions of Protonated Peptide Ions with Organic Surfaces”, *Chem. Soc. Rev.* DOI: 10.1039/C5CS00482A [Impact factor: 33.38] (Accepted for cover page)

Dr. Lucas Veillon, Research Assistant Professor: Dr. Veillon is a biochemist pursuing the development of analytical methodologies and their application to the field of glycobiology in the context of understanding the role of glycosylation in human health and disease. In his investigations, biochemistry,

molecular biology and molecular mass spectrometric techniques are utilized to advance the fields of glycomics, glycoproteomics and glycolipidomics. Dr. Veillon received his Ph.D. in Biochemistry from Louisiana State University in 2011, where he was a National Science Foundation CMC-IGERT Fellow. Prior to joining TTU Lucas was a post-doctoral research associate in the analytical services laboratory at the Complex Carbohydrate Research Center, at the University of Georgia, and a research fellow in the Division of Glycopathology at the Tohoku Medical and Pharmaceutical University, Institute of Molecular Biomembrane and Glycobiology, Sendai, Japan.

Recent Scholarship: Veillon, L., Zhou, S., & Mechref, Y. Quantitative Glycomics: A Combined Analytical and Bioinformatics Approach. *Methods in Enzymology -Proteomics in Biology*, Chapter 14. (Book to be published in 2017.)

Dr. Kerry Wooding, Research Assistant Professor: Dr. Wooding is an analytical chemist and biochemist developing analytical methods to better characterize glycoproteins derived from cancerous cell lines. He employs a variety of mass spectrometry and biochemical techniques for various proteomic, glycomic, and glycoproteomic studies. He is currently working with Dr. Yehia Mechref. Dr. Wooding received his PhD in Biological Chemistry from the University of Texas Southwestern Medical Center in Dallas in 2011. Prior to joining TTU, Kerry was a Postdoctoral Scholar in the Departments of Pharmacology and Obstetrics & Gynecology at the University of Colorado Anschutz Medical Campus, and the Department of Chemistry and Biochemistry at Texas A&M University.

Recent Scholarship: **Wooding KM**, Peng W, Mechref Y. Characterization of Pharmaceutical IgG and Biosimilars Using Miniaturized Platforms and LC-MS/MS. *Curr Pharm Biotechnol*. 2016;17(9):788-801.

Dr. Nanaji Yerramsetti, Research Assistant Professor: Dr. Yerramsetti has studied Lewis acid catalyzed S_N2-type ring opening followed by Pd-catalyzed C-N cyclization of activated aziridines for the synthesis of chiral heterocycles of contemporary interest. Those include enantioselective synthesis of tetrahydroquinolines, indolines, benzothiazines, 2-alkyl indoles, Tetrahydrobenzox-azepines and -diazepines, 1,4-Disubstituted Chiral Tetrahydro-β-carbolines via ring opening followed by C- N cyclization of activated aziridines with carbon, nitrogen, oxygen and sulphur nucleophiles. He obtained his M.Sc. from Andhra University, Rajahmundry, India, in 2006 and his Ph.D. degree in 2013 from the Indian Institute of Technology, Kanpur.

Recent Scholarship: Masthanvali Sayyad, Intiyaz Ahmad Wani, Raja Babu, **Yerramsetti Nanaji** and Manas K. Ghorai. 2016. New Synthetic Route to 1,4-Disubstituted Chiral Tetrahydro-β-carbolines via Domino Ring-Opening Cyclization of Activated Aziridines with 2-Vinyl Indoles. Accepted in *The Journal of Organic Chemistry*.

Dr. Wen-Xu Zhou, Research Associate Professor: Dr. Zhou studies sterol metabolism and regulations of a variety of organisms including higher plant, marine algae, pathogenic fungi, parasitic protozoa, and animals. His research focuses on identifying the unique niches of sterol metabolism among different organisms and utilizing them for new chemotherapeutic targets and a new strategy for plant pest control. He has extensive experience in natural product chemistry, chromatography technologies, GC/MS base metabolomics, and enzymology. Dr. Zhou received his PhD in Chemistry from the Texas Tech University. He completed postdoctoral studies in metabolomics and sterol metabolism in Iowa state University and The University of Western Australia.

Recent Scholarship: Lu Y , **Zhou W**, Wei L, Li J, Jia J, Li M, Smith SM, Xu J: Regulation of the cholesterol biosynthetic pathway and its integration with fatty acid biosynthesis in the oleaginous microalga *Nannochloropsis oceanica*. *Biotechnology for Biofuels*. 2014 7(1):81.

Department of Classical and Modern Languages and Literatures

Dr. Alicia Miklos, Assistant Professor. Dr. Miklos studies representations of gender violence and theoretical debates about women's autonomy in contemporary Central America, through the lens of Cultural Studies and Media Studies. She also studies the construction of criminal masculinities in Central American detective and novela negra literature, as well as in investigative journalism from the region. Dr. Miklos received her Ph.D. in Latin American Literatures and Cultures from the Department of Spanish and Portuguese at The Ohio State University. Before joining Texas Tech University, she was a Visiting Assistant Professor in the Department of Modern Languages at Kenyon College, Gambier, Ohio.

Recent Scholarship: Miklos, Alicia. 2016. Desnaturalizar, historizar, transformar: La radio feminista en el programa 'Cuerpos sin-vergüenzas *Carátula* 72.

Department of English

Dr. Kendall Gerdes, Assistant Professor: Dr. Gerdes studies rhetorical theory, feminist and queer theory, **Dr. Rachel Wolford, Assistant Professor:** Dr. Wolford studies ethnographic material rhetorics, exploring intersections among the narratives of research participants, the environment, feminist methodologies, rhetorical theory, and technical communication. Her research focuses on how people in their particular environments employ rhetorical strategies to improve their circumstances and how these strategies impact those places. Dr. Wolford's current projects center on women's roles in various forms of agriculture, New Materialist versus discursive accounts of agricultural accidents, and the heterotopic public spaces of geocaching. Prior to coming to TTU, Dr. Wolford was an assistant professor at the University of Minnesota Duluth. She received her PhD in Rhetoric and Professional Communication from Iowa State University in 2011.

Recent Scholarship: Wolford, R. (2016). When a woman owns the farm: A case for diachronic and synchronic rhetorical agency. *Enculturation: A Journal of Rhetoric, Writing, and Culture* (22). <http://enculturation.net/when-a-woman-owns-the-farm>

Department of Environmental Toxicology

Dr. Jordan Crago, Assistant Professor: Dr. Crago's research focuses on combining molecular indicators, in vitro cell assays, along with traditional toxicological and environmental measurements, to determine the effects of chemicals of emerging concern on fish development and reproductive health. Dr. Crago received his PhD in Biological Sciences from the University of Wisconsin, Milwaukee. Before joining TTU he was a Research Scientist in the School of Freshwater Sciences at the University of Wisconsin, Milwaukee.

Recent Scholarship: Crago, J., Bui, C., Grewal, S., Schlenk, D. 2016. Age-dependent effects in fathead minnows from the anti-diabetic drug metformin. *General and Comparative Endocrinology* 232, 185-190

Department of Geosciences

Dr. Yonggang Wang, Research Assistant Professor: Dr. Wang's research interests focus broadly on the area of regional climate modeling, mesoscale dynamics of precipitating systems, and cloud dynamics. Specifically, he has used the tools of remote sensing and the Weather Forecast and Research model to examine regional impacts of climate change on precipitation patterns, boundary-layer convection and precipitation in the Arctic region, and entrainment processes in cumulus clouds. Dr. Wang received his Ph.D. in Atmospheric Sciences from the University of Wyoming in 2012. Prior to joining TTU, he was a

Postdoctoral Research Associate in the Department of Atmospheric Science at the University of Wyoming.

Recent Scholarship: **Wang, Y.**, B. Geerts, and Y. Chen (2016), Vertical structure of boundary layer convection during cold-air outbreaks at Barrow, Alaska. *J. Geophys. Res. Atmos.*, 121, 399–412.

Dr. Zhe Zhu, Assistant Professor: Dr. Zhu studies how the Earth is changing at large scales based on satellite observations. He uses remote sensing as the tool to study land cover and land use change and their impacts to climate change. Dr. Zhu received his PhD in Geography from the Department of Geography and Environment, Boston University and was a Post-Doctoral Associate with Department of Earth and Environment, Boston University. Before joining TTU he was a Research Scientist in InuTeq at the Earth Resources Observation and Science (EROS) Center, U.S. Geological Survey.

Recent Scholarship: **Zhu, Zhe**, Yingchun Fu, Curtis E. Woodcock, Pontus Olofsson, James E. Vogelmann, Christopher Holden, Min Wang, Shu Dai, and Yang Yu., Including land cover change in analysis of greenness trends using all available Landsat 5, 7, and 8 images: A case study from Guangzhou, China (2000–2014), *Remote Sensing of Environment* (2016).

Department of Kinesiology and Sports Management

Dr. Yonghwan Chang, Assistant Professor: Dr. Chang studies sport consumers' associative and propositional processes of attitudes, cognitive appraisals of emotional responses, and quality, value and risk perceptions, in addition to their psychological characteristics, such as personality, need, and motivation. These lines of research have been extended to a variety of segments in the sport and related industries, such as sponsorship, endorsement, sport branding, luxury service, social media, and spectator sports. From the methodological and statistical points of view, Dr. Chang employs a combination of machine learning and Bayesian optimization techniques to examine sports spectators' emotional reactions manifested in social media. Dr. Chang also investigates innovative applications of an integrative analysis with propensity score methods and structural equation modeling to sport consumer behavior research. Dr. Chang received his PhD in Sport Management from the Department of Tourism, Recreation, and Sport Management, University of Florida, and was a Financial Investment Consultant at the Kumho Asiana Group in South Korea.

Recent Scholarship: Chang, Y., & Ko, Y. J. (in press). Reconsidering the role of fit in celebrity endorsement: Associative-propositional evaluation (APE) accounts of endorsement effectiveness. *Psychology & Marketing*.

Dr. Emily Dhurandhar, Assistant Professor: Dr. Dhurandhar studies the psychosocial, environmental, and dietary factors that influence human energy balance and obesity. She studies the role of breakfast and dietary protein in weight loss and appetite control, and also performs real-world weight control interventions to better inform public policy about obesity. She also studies the role of adversity and food insecurity in weight gain. Dr. Dhurandhar received her PhD in Human Nutrition from the Department of Human Ecology, Louisiana State University and did a postdoctoral fellowship with the Nutrition Obesity Research Center at the University of Alabama at Birmingham. Before joining TTU she was an Assistant Professor in the Department of Health Behavior, University of Alabama at Birmingham.

Recent Scholarship: **Dhurandhar EJ.** 2016. The food-insecurity obesity paradox: A resource scarcity hypothesis. *Physiol Behav.* 162:88-92.

Dr. Matt Huml, Assistant Professor: Dr. Huml focuses on the academic experience of student-athletes. These topics include athletic identity, balance between academics and athletics, athletes performing

community service, and many others. Originally from the Chicagoland area, Dr. Huml received his PhD in Educational Leadership & Organizational Development (Sport Administration Emphasis) from the University of Louisville. He also previously earned his M.Ed. and B.S. from Grand Valley State University in Allendale, MI. Before joining TTU he was an Assistant Director of Undergraduate Services in the College of Education and Human Development, University of Louisville.

Recent Scholarship: **Huml, M. R.**, & Moorman, A. M. 2016. Student-athlete educational records? The involvement of FERPA within recent NCAA Division I academic scandals. To Appear in *Journal of Legal Aspects of Sport*.

Dr. Ty Palmer, Assistant Professor: Dr. Palmer studies the effects of aging, fall-history, and athletic status on muscle stiffness, strength, postural balance, and other performance-based outcomes in young and elderly adults. He also studies age-related differences in anatomical muscle characteristics, including measurements of muscle size and quality. Dr. Palmer received his PhD in Exercise Science from Oklahoma State University. Before joining TTU, he was an Assistant Professor at Kent State University in the School of Health Sciences.

Recent Scholarship: **Palmer, T.B.** and Thompson, B.J. 2016. Influence of age on passive stiffness and size, quality, and strength characteristics. *Muscle & Nerve*, [Epub: ahead of print].

Dr. Grant Tinsley, Assistant Professor: Dr. Tinsley studies the impact of alterations in energy intake, exercise and dietary supplementation on human body composition, energy expenditure, athletic performance and health markers. One of his particular research interests is evaluating intermittent fasting programs as a method to reduce energy intake and improve body composition. Additionally, he is interested in the examination of the utility of longstanding and novel methods of body composition assessment. Dr. Tinsley earned his Ph.D. in Kinesiology and Exercise Nutrition at Baylor University in 2016 and previously received degrees in physiology, nutrition, and biomedical sciences.

Recent Scholarship: Tinsley GM, Forsse JS, Butler NK, Bane AA, La Bounty PM, Morgan GB, Grandjean PW. 2016. (Epub ahead of print). Time-Restricted Feeding in Young Men Performing Resistance Training: A Randomized Controlled Trial. *European Journal of Sports Science*. <http://dx.doi.org/10.1080/17461391.2016.1223173>

Department of Mathematics and Statistics

Department of Physics

Dr. Denija Crnojevic, Research Assistant Professor: Dr. Crnojevic is an observational astronomer who investigates the life and death of galaxies. By analyzing the stellar content of the closest galaxies with state-of-the-art telescopes, she investigates their properties, such as luminosity, distance, chemical content, host environment and mutual interactions, with the goal of understanding their evolution throughout the Universe's life. Dr. Crnojevic received her PhD in Astronomy from the University of Heidelberg, Germany in 2010. Before joining TTU she was a Postdoctoral Research Fellow at the University of Edinburgh, UK, and she was subsequently a Postdoctoral Research Associate at TTU.

Recent Scholarship: **D. Crnojevic**, Sand, D.J.; Spekkens, K.; Caldwell, N.; Guhathakurta, P.; McLeod, B.; Seth, A.; Simon, J. D.; Strader, J.; Toloba, E. 20126. The Extended Halo of Centaurus A: Uncovering Satellites, Streams, and Substructures. *The Astrophysical Journal (in Press)*

Department of Political Science

Dr. Iñaki Sagarzazu, Assistant Professor: Dr. Sagarzazu's current research focuses on understanding what shapes political communications and what are its consequences. In particular, what is the effect that

institutions have on the dynamics of issue politics, and how do these dynamics affect individual voters? Other research projects involve developing and using content analysis techniques for understanding different political problems (such as issue attention in political speeches, court decisions, etc) and understanding Venezuelan Politics. Dr. Sagarzazu received his PhD in Political Science from the University of Houston. Before joining TTU he was a Lecturer (Assistant Professor) at the University of Glasgow in Scotland (UK).

Recent Scholarship: **Sagarzazu, Iñaki**, and Klüver, Heike Coalition Governments and Party Competition: Political Communication Strategies of Coalition Parties, to appear in *Political Science Research and Methods*.

Department of Psychological Sciences

Dr. Matthew Cribbet, Assistant Professor: Dr. Cribbet is a Clinical Health Psychologist who studies how poor sleep, stress and emotion dysregulation are associated with cardiovascular disease risk. He also examines how close personal relationships such as marriage provide a context for studying the ways in which stress and poor sleep influence cardiovascular health. Dr. Cribbet's research integrates methods from health psychology, sleep medicine and psychophysiology. Dr. Cribbet received his PhD in Clinical Health Psychology from the University of Utah in 2013. Prior to joining Texas Tech University Matthew was an NIH Postdoctoral Fellow in Translational Research Training in Sleep Medicine at the University of Pittsburgh.

Recent Scholarship: Barger, S.D. & **Cribbet, M.R.** (2016). Social support sources matter: Increased cellular aging among adults with unsupportive spouses. *Biological Psychology*, 115, 43-49.

Dr. Jenny M. Cundiff, Assistant Professor: Dr. Cundiff examines interpersonal and physiological mechanisms linking socioeconomic position and close social relationships (e.g., couples) to cardiometabolic health. She has particularly focused on how social hierarchy may shape social interactions so as to be cardiotoxic to those lower in the social hierarchy. She also researches marital dynamics as they relate to marital quality and cardiovascular health, and has merged these lines of work to examine whether positive close relationships, such as marriage, can buffer the otherwise negative impact of lower socioeconomic position. Dr. Cundiff received her PhD in Clinical Psychology with an emphasis in Health Psychology from the University of Utah, and then completed T32 postdoctoral training in Cardiovascular Behavioral Medicine at the University of Pittsburgh Medical Center before joining TTU.

Recent Scholarship: **Cundiff, J.M.**, Kamarck, T.W., & Manuck, S.B. (*in press*). Daily interpersonal experience partially accounts for the association between social rank and physical health. *Annals of Behavioral Medicine*.

Dr. Eric Greenlee

I conduct research using neurological and physiological measures to gain additional understanding about how people are affected by challenging, attention-demanding tasks. I am especially interested in tasks that require extreme vigilance, or sustained attentional focus, such as air traffic control, cyber network defense, and driving. My lab's applied neuroscience approach provides objective estimates of task-related stress, workload, and fatigue, which can be used in concert with subjective and performance measures to assess and improve the mental state and performance of individuals and teams as they are actively engaged in various real-world tasks.

Dr. Lindsay Greenlee, Research Assistant Professor: Dr. Greenlee's research is concentrated in two main areas: gender stereotyping and the use of online media. Her most recent research has examined the processing of gender role stereotype information and how this affects our perceptions of other people. In addition to research on gender, she also has interest in examining methods of social influence used on the

Internet. Dr. Greenlee received her PhD in experimental psychology from The University of Alabama, and before joining TTU, she was an assistant professor at The Citadel in Charleston, South Carolina.

Recent scholarship: **Rice, L.** & Barth, J.M. 201). Hiring decisions: The effect of evaluator gender and gender stereotype characteristics on the evaluation of job candidates. *Gender Issues*, 33(1), 1-21.

Dr. Shin Ye Kim, Assistant Professor: Dr. Kim studies the intersections of gender, culture, health, and psychological well-being in both domestic and international populations, with a specific interest in work and career. Current research topics include the work-family interface from a men and masculinity perspective, the efficacy of multicultural counseling training, and the psychological intervention for chronic pain. Dr. Kim received her PhD in Counseling Psychology from the University of Wisconsin-Milwaukee and a master's degree in Prevention Science and Practice from Harvard University.

Recent Scholarship: **Kim, S.**, Ahn, T.Y., & Fouad, N.A. (2015). Family Influence on Korean Students' Career Decisions: A Social Cognitive Perspective. *Journal of Career Assessment*.

Dr. Adam Schmidt, Assistant Professor: Dr. Schmidt studies factors contributing to resilience in high-risk youth populations. He is particularly interested in how neurobiology, cognition, personality, and social environment interact to promote resilience and facilitate treatment within justice-involved youth and adolescents experiencing traumatic brain injuries. He uses a variety of methodological approaches and is very open to interdisciplinary collaboration. Dr. Schmidt received his Ph.D. from the clinical psychology program at the University of Minnesota and completed postdoctoral fellowships at Johns Hopkins University and Baylor College of Medicine. Prior to joining the TTU faculty he was an Assistant Professor in the clinical psychology doctoral program at Sam Houston State University.

Recent scholarship: Mattos, L. A., **Schmidt, A. T.**, Henderson, C. E., & Hogue, A. T. Therapeutic alliance and treatment outcome in the outpatient treatment of urban adolescents: The role of callous-unemotional traits. Manuscript forthcoming in *Psychotherapy*.

Department of Sociology, Anthropology and Social Work

Dr. Pamela Dubyak, Research Assistant Professor: Dr. Dubyak studies ways of improving weight loss programs. In the past, she has studied ways of helping people reduce their substance use, insomnia, and chronic pain. Dr. Dubyak received her PhD in Psychology from the University of Florida's Department of Clinical and Health Psychology. Before joining TTU, she was a Lecturer in the Psychology Department at The Pennsylvania State University.

Recent Scholarship: Nackers L.M., **Dubyak P.J.**, Lu X., Anton S.D., Dutton G.R., & Perri M.G. 2015. Group dynamics are associated with weight loss in the behavioral treatment of obesity. *Obesity*, 23, 1563-1569.

Dr. Andrew Rose, Assistant Professor: Dr. Rose's research focus is on family resilience with a particular interest in the role of religiosity in family processes. He is interested in the way that religiosity impacts resilience and mental health among the general populace and within minority families. He is also interested in factors that strengthen couple relationships and in the role and impact of fathers. Dr. Rose received his Ph.D. in Human Development and Family Studies with an emphasis in Marriage and Family Therapy from the University of Connecticut.

Recent Scholarship: Hatch, T. G., Alghafli, Z., Marks, L. D., **Rose, A. H.**, Rose, J. R., Hardy, B. P., Lambert, N. M. (under review). Prayer in Muslim families: A qualitative exploration. *Journal of Religion & Spirituality in Social Work*.

Dr. Brandon Wagner, Assistant Professor: Dr. Wagner studies how health is both a cause and consequence of family experiences across the life course. In addition to incorporating emerging complexity in family forms, his work employs both causal analytical methods (e.g., instrumental

variables, twin study design, and natural experiments) and biomarkers as measures of latent health status. Dr. Wagner received his PhD in Sociology from the University of North Carolina, Chapel Hill. Before joining Texas Tech University, he was a postdoctoral researcher at Princeton University's Office of Population Research.

Recent Scholarship: McFarland, Michael J., **Brandon Wagner**, and Scarlett Merklin. 2016. Does Knowledge Really Create Power? Education and Sense of Control using a Natural Experiment. *Socius*

New Faculty in the College of Human Sciences: Fall 2016

Department of Community, Family, and Addiction Sciences

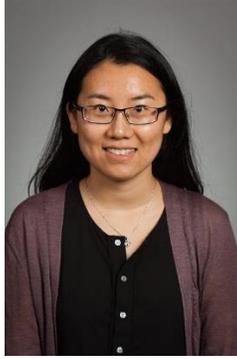


Dr. Eugene W. Wang, Associate Professor: Dr. Wang studies risk and protective factors of adolescent and adult aggression and violence, as well as prevention and intervention approaches to mental health. Dr. Wang received his PhD from Texas A&M-Commerce.

Recent Scholarship: Bradshaw, S. D., Shumway, S. T., **Wang, E. W.**, Harris, K. S., & Smith, D. (2016). Family functioning and readiness in family recovery from addiction. *Journal of Groups in Addiction & Recovery*, 11(1), 21-41.

Department of Human Development and Family Studies

Recent Scholarship: **Martin, M. J.**, Conger, R. D., Sitnick, S. L., Masarik, A. S., Forbes, E. E., & Shaw, D. S. (2015). Reducing risk for substance use by economically disadvantaged young men: Positive family environments and pathways to educational attainment. *Child Development*, 86, 1719-1737.



Dr. Zhe Wang, Assistant Professor: Dr. Wang studies individual differences in the development of socio-emotional outcomes, cognitive abilities, and educational attainments in children and young adolescents, and parenting behaviors in adults. Her research incorporates genetic, physiological, and behavioral approaches and examines how these factors interact with the environment (e.g., socioeconomic backgrounds, chaotic households, and harsh parenting) to produce diverse developmental trajectories. Dr. Wang received her PhD from Virginia Tech and postdoctoral training from The Ohio State University.

Recent scholarship: Lukowski, S. L., Ditrapani, J. B., Jeon, M., **Wang, Z.**, Schenker, V. J., Doran, M. M., & Petrill, S. A. (in press). (2016) Multidimensionality in the measurement of mathematical anxiety and its relationship with mathematical skills. *Learning and Individual Differences*.

Department of Nutritional Sciences



Dr. Lei Hao, Research Assistant Professor: Dr. Hao is interested in investigating the development of classical brown adipocytes and developing nutritional therapies for obesity and cardiovascular diseases by using nanotechnology. Dr. Hao received his doctoral degree from the Pennsylvania State University (2013) and post-doctoral training at Massachusetts General Hospital and Harvard Medical School.

Recent Scholarship: **Hao L**, Huang, K.H., Ito, K., Sae-Tan, S., Lambert, J.D., Ross, A.C. (2016) Fibroblast Growth Factor (Fgf)-21 gene expression is elevated in the liver of mice fed a high-carbohydrate liquid diet and attenuated by lipid emulsion, but is not upregulated in liver of mice fed a high-fat obesogenic diet. *Journal of Nutrition*, 146(2):184-90.

Department of Hospitality and Retail Management



Dr. David Rivera, Jr., Co-Associate Department Chairperson: Dr. Rivera studies diversity/cultural intelligence, technology acceptance, servicescape, and consumer behavior within various aspects of the hospitality and tourism industries. His focus is on cultural intelligence and diversity awareness within hospitality education. Dr. Rivera, Jr. received his PhD from Texas Tech University.

Recent Scholarship: Rivera, Jr., D. (2016). A pre/post course analysis of distance education student's attitude toward and perceptions of diversity and multicultural issues. *Journal of Hospitality and Tourism Education*, 28(2), 60-70.



Dr. Donna J. Fickes, Visiting Assistant Professor: Dr. Fickes studies online learning in the hospitality field, specifically as it relates to culinary education. Her focus is creating mindful, online learning environments that allow distance culinarians to complete their degrees in order to advance in their chosen professions. Dr. Fickes has developed a number of online courses, in conjunction with TTU Worldwide eLearning, and is researching the differences between student satisfaction and student learning outcomes in online versus face-to-face classes. Dr. Fickes received her PhD from Texas Tech University.

Department of Personal Financial Planning



Dr. Donald Lacombe, Associate Professor: Dr. Lacombe's main areas of research are spatial econometrics, Bayesian econometrics, and hierarchical linear modeling of all areas of research in financial planning, economics, and finance. Dr. Lacombe received his PhD from Florida State University.

Recent Scholarship: Lacombe, L., & Flores, M. (in press). A Hierarchical SLX Model Application to Violent Crime in Mexico. *The Annals of Regional Science*.



Dr. Sarah D. Asebedo, Assistant Professor: Dr. Asebedo's work attempts to connect basic research and financial planning practice, with a focus on the relationship between psychological attributes, financial conflicts, and financial behavior. She earned her PhD from Kansas State University.

Recent Scholarship: Asebedo, S. D., & Seay, M. C. (2015). From functioning to flourishing: Applying positive psychology to financial planning. *Journal of Financial Planning*, 28(11), 50-58. (Recipient of the 2016 Montgomery-Warschauer Award).