2010-2011
College of Health Sciences
Annual Report – Research
(July 1, 2010 - June 30, 2011)

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I. College Research Mission and 2010-2011 Highlights

The mission of the College of Health Sciences (CHS) is to promote excellence in health and human services through university teaching, research, and service with special emphasis on rural populations. As outlined in this annual report, the CHS continued its efforts to foster excellence in education and research during 2010-2011. Members of the college are committed to academic excellence and to the attainment of regional, national, and international recognition for the quality of the college’s educational, research, and service activities. Guided by the University of Wyoming Challenge for Excellence to become a preeminent research university, the CHS research mission focuses on three broad objectives:

1. Provide instruction of the highest quality in health care disciplines for the education and preparation of medical, pharmacy, nursing, and other health care professional students. Emphasis is placed on the fundamental principles necessary for life-long learning and the essential knowledge required for rational and effective health care.

2. Provide high quality research, educational, and other scholarly experiences for the training of future biomedical scientists who can provide and advance biomedical education and research.

3. Provide high quality service to Laramie and the surrounding region, the state of Wyoming, and the nation.

The CHS offers the following education programs:

1. Challenging degree programs in the fields of pharmacy, nursing, medicine, social work, kinesiology and health, communication disorders, and allied health sciences.

2. An interdisciplinary minor in health sciences, a program with extended opportunities in hospital administration, pre-professional preparation in physical and occupational therapy, biomedical and research technology, and clinical and lab sciences.

3. A solid base for students who plan to attend medical, dental, or other professional schools.

New Faculty Members in CHS (Primary Appointments)

- **Padmamalini Baskaran, M. Pharm., Ph.D. (Karl-Franzens University of Graz, Austria). Temporary Assistant Professor**, School of Pharmacy. Dr. Baskaran's academic interests are cardiovascular pharmacology, obesity, and diabetes. Her research interests include structure function analysis and post translational modifications of soluble Guanylyl Cyclase (sGC- Nitric Oxide receptor), role of redox stress in ischemia and neurodegeneration, and anti micro thrombic agents for myocardial infarction.

- **Mark Guiberson, Ph.D. (Colorado State University), Assistant Professor**, Division of Communication Disorders. Dr. Guiberson's main research interests are screening, assessment, and intervention practices with families of young linguistically diverse children. Dr. Guiberson has examined the use of parent and teacher surveys to screen Spanish-speaking toddlers and preschool age children. His research has also described language trajectories in preschool age Spanish-speaking children and language and programming for culturally and linguistically diverse children with disabilities. Dr. Guiberson’s research is clinically focused, involving families, care providers, and preschool teachers.
Karen Lux, Ph.D. (University of Georgia), Assistant Professor, Division of Kinesiology and Health: Dr. Lux's research interests involve the socio-political factors influencing the work lives of physical education teachers. More specifically, Dr. Lux investigates the low status and marginalization of physical education as a subject matter in schools, how physical education teachers navigate these obstacles in their working environment, and how teaching a low status subject impacts the nature of physical education teachers' work.

Baskaran Thyagarajan, M. Pharm., Ph.D. (Karl-Franzens University of Graz, Austria), Assistant Professor, School of Pharmacy: Dr. Thyagarajan’s professional interests include pharmaceutics, nanoparticles in drug development, metabolic diseases, neuropharmacology, and toxicology. His research interests are analysis of the role of transient receptor potential proteins in the physiology and pathophysiology of metabolic and neurodegenerative diseases.

Lanae Salveson, Pharm. D. (University of Wyoming), Clinical Assistant Professor, School of Pharmacy: After receiving her Pharm.D., Dr. Salveson, completed a PGY1 residency at the Community Health Center of Central Wyoming in Casper. Dr. Salveson's practice setting is the Wyoming Medical Center in Casper where she teaches Introduction to Pharmacokinetics and Therapeutics II. Her research interest areas include medication therapy management and family medicine.

(Carole) Susan Christman, MSN (University of Wyoming), Assistant Lecturer of Nursing, Fay W. Whitney School of Nursing. She received her BSN from UW-Casper College in 1991 and her MS in Rural Health Nursing (Community Health Clinical Nurse Specialist track) from the University of Wyoming in 2002.

Elizabeth Goodwin, MSN (University of New Mexico), Assistant Lecturer of Nursing, Fay W. Whitney School of Nursing. She received her BSN from Creighton University.

Barbara (Robinson) Philips, MSN, Ph.D. (CU Denver), Assistant Professor of Nursing, Fay W. Whitney School of Nursing. Dr. Robinson’s research interests focus on access to health care and use of informatics among the rural elderly.

Kim Raska, MS, FNP (University of Wyoming), Assistant Lecturer of Nursing, Fay W. Whitney School of Nursing.

Candy Stidolph, MSN, (University of Wyoming), RN, FNP-BC, Assistant Lecturer of Nursing, Fay W. Whitney School of Nursing.

Rachel Thomas, MS (Walden University), Assistant Lecturer of Nursing, Fay W. Whitney School of Nursing.

Terri Wolff, MSN, (University of Wyoming), PHCNS-BC, RN Senior Lecturer of Nursing, Fay W. Whitney School of Nursing.

Program Highlights

Commencement: On May 6, 2011, 229 CHS graduates began looking forward to their rewarding careers in the helping professions of health and social services. Pete Williams, a
Casper native and NBC News reporter, gave the commencement address. CHS recognized its outstanding faculty and staff: Sandy Root-Elledge, Wyoming Institute for Disabilities - Meritorious Service Award; Michelle Jarman, Wyoming Institute for Disabilities - Outstanding Teacher Award; Doug Petersen, Communication Disorder – Outstanding New Investigator Award; Jun Ren, School of Pharmacy – Outstanding Research Award; Kelly “Colleen” Hubbell, WWAMI, Interprofessional Award: Linda Gore Martin, School of Pharmacy- College of Health Sciences Outstanding Career Achievement Award; Nancy Holman, Dean’s Office, - Outstanding Staff Awards.

- **Mueller/Bresnahan Endowed Graduate Assistantship:** Research and creative professional activity are vital to the growth and success of CHS. The Mueller/Bresnahan Endowed Graduate Assistantship (GA) was established in 2009 to enhance the college's competitiveness for the health care and social welfare of citizens in Wyoming and the Rocky Mountain area. The GA will benefit the firsthand research experience working with junior graduate student researchers. (Kinesiology & Health holds the first Mueller/Bresnahan Graduate Assistantship.)

- **Communication Disorders:** The faculty in the Division of Communication Disorders (ComDis) had a productive year. ComDis faculty have been engaged in many collaborative research projects. Doug Petersen, Ph.D., Assistant Professor, received the CHS New Investigator Award.

- **CRHRE:** The Center for Rural Health Research and Education (CRHRE) is the primary source of expertise in the college, university, and state for the use of technology in health care. Its primary activity in 2010-2011 has been the development of the Wyoming Network for Telehealth (WyNETTE). Through grants from the Federal Communications Commission, HRSA, and the Wyoming Department of Health, a 37-site network of hospitals, clinics, and mental health centers has been constructed in Wyoming. In addition to managing the contract for this project, CRHRE staff are actively engaged in providing outreach and training for the providers and administrators at the participating sites to encourage the use of the network for health-related applications such as telemedicine and education.

- **Kinesiology and Health (K&H):** D. Paul Thomas, Ph.D., received a Distinguished Visiting Professor Award from the Medical Research Council of South Africa in fall 2010. Dr. Thomas is a visiting professor at the Hatter Cardiovascular Research Institute, a component of the Christian Barnard Cape Heart Center of the University of Cape Town Medical School in South Africa. The award included an honorarium of 22,800 Rand (~$3,000). Marci Smith, MS, and Gary Werhonig, MS, were recognized by the University of Wyoming Cap and Gown Chapter of Mortar Board as “Distinguished University Faculty Member” for their exceptional contributions to UW and inspiration to students (Fall 2010). Christine Porter, Ph.D., was selected as a participant of the Dannon Institute’s 2011 Nutrition Leadership Institute for “outstanding nutritional scientists at an early stage of their careers.” The leadership conference for nutrition was held June 4-9, 2011, at the Wye River Institute, Queenstown, Maryland.

- **INBRE:** The Wyoming INBRE program concluded the first year of a second 5-year NIH award. Over the past year, INBRE has generated more than 40 peer-reviewed publications and more than 25 national/international presentations. INBRE supported 12 post-doctoral/doctoral students and 30 undergraduate students for biomedical professional activities. INBRE also provided support to purchase new equipment such as a state-of-the-art confocal microscope and attracted faculty with start-up support.

- **Nursing:** The Fay W. Whitney School of Nursing (FWWSON) has had a successful year. It hired 1 new assistant professor and 6 academic professionals. The faculty had a number of refereed publications and presentations at national meetings. Several major grant projects are in progress, including two HRSA funded grants, two Robert Wood Johnson Foundation grants, two Department of Justice grants, and an NIH grant.
• Pharmacy & the Center for Cardiovascular Research and Alternative Medicine (CRAM): Faculty and staff from pharmacy survived the major renovation work in the building during spring/summer 2011. C-CRAM experienced another successful year. Members published 40+ articles in peer-reviewed journals.

• Social Work: This academic year, the division received reaffirmation for 8 years from the Council on Social Work Education (CSWE); the site visit was held in October of 2010, and the vote for reaffirmation arrived in February of 2011. The competency-based curriculum mandated by CSWE in 2008 will be fully implemented this fall, 2011. Faculty, staff, students, and community members helped make the site visit a success. Joanne Theoibald, Assistant Lecturer, traveled with the CHS Health Brigade to Honduras in March of 2011, assisting the students, faculty, and community with her skills in both social work and Spanish. Diane Kempson, Associate Professor, traveled to Kenya and initiated connections with universities there.

• Wyoming Institute for Disabilities (WIND) WIND is Wyoming’s University Center for Excellence in Developmental Disabilities. WIND faculty and staff conduct research, provide community-based training and technical assistance, disseminate information, and contribute to the educational mission of the university. WIND's various projects are supported by externally-funded, short-term, and renewable grants and contracts that totaled $2.7 million during this reporting period.

• Update on New Biomedical Sciences (BMS) Ph.D. Program: This is the first ever interdisciplinary doctoral program based mainly in the CHS with faculty mentors from the College of Agriculture and the College of Engineering participating. The BMS program is designed to meet the needs and interests of students and to address important workforce demands for doctorate level biomedical research expertise. The new program is designed to position graduates for long-term competitive success in the rapidly changing and multifaceted health-related arena in the 21st century. It is a comprehensive, interdisciplinary program, making connections between various disciplines to gain new insights, discover and apply new knowledge, and promote self-directed, life-long learning. Areas of BMS Ph.D. candidates’ focus may include but are not limited to cardiac health, nutrition, reproductive biology, toxicology, diagnostic and imaging, and medical engineering. Students are expected to conduct original, innovative research leading to publishable dissertations and to be involved in teaching. The program of study is designed according to student learning goals and research opportunities, and it promotes student competency in a series of outlined student learning outcomes. The program provides a unique array of formal courses and informal discovery experiences focused on ensuring aptitudes, behaviors, and skills necessary for leadership and competitive success in the biomedical science arena. Each student works directly with an adviser in his/her area of interest. The program enrolled 10 Ph.D. candidates in its first year, four of whom are Ph.D. candidates in the School of Pharmacy. The director of the BMS Program is Don Roth, Ph.D., Professor of Molecular Biology, Associate Director of the School of Energy Resources, and Director of the K12 Science Posse. Dr. Jun Ren serves as the Interim Director during Dr. Roth’s sabbatical.

II. Faculty Research Descriptions (Primary and Joint)  
Center for Rural Health Research and Education (CRHRE):  
Rex Gantenbein, Ph.D. (University of Iowa): Director and Professor of Medical Education and Public Health. Dr. Gantenbein’s main research interests are health information technology, including telehealth/telemedicine, health information exchange, and electronic health records; biomedical and health informatics, including cluster computing and information management for
biomedical research support; and security and privacy in computers and telecommunications, including education and policy development to ensure the protection of private health information.

**Division of Communication Disorders:**

**Mary Hardin-Jones, Ph.D. (University of Iowa):** Professor. Dr. Hardin-Jones’ main research interests include factors that influence treatment outcomes for children with cleft palate. In recent years, her research examined the impact of cleft palate on early vocal development in toddlers. She is also interested in surgical management issues that influence speech outcomes and has studied outcomes associated with both type and timing of palatal operations.

**David L. Jones, Ph.D. (University of Iowa):** Professor and CHS Associate Dean for Academic Affairs. Dr. Jones’ primary research interests include the physiology of velopharyngeal function and velopharyngeal dysfunction and the production-perception of normal and disordered nasalization. These areas relate directly to the speech outcomes of primary surgical management and secondary surgical and nonsurgical management of individuals with cleft palate. His expertise includes aerodynamic assessment of the velopharyngeal system and imaging of the velopharyngeal and laryngeal mechanisms.

**Teresa A. Ukrainetz, Ph.D. (University of Texas at Austin):** Division Director and Professor. Dr. Ukrainetz’s main research interests are the interaction of context and skills in language intervention for school-age children. She has examined assessment practices; treatment scheduling; narrative, phonemic awareness; and intervention frameworks. This work is both conceptual and empirical in nature and has employed a variety of research methodologies such as single subject experimental, group experimental, qualitative, and linguistic.

**Michael A. Primus, Ph.D. (University of Washington):** Associate Professor. Dr. Primus’ main research interests include audiometric techniques with infants and newborn hearing screening.

**Roger Steeve, Ph.D. (University of Washington):** Assistant Professor. Dr. Steeve’s main research interests focus on the interaction between emerging motor control for speech and language abilities. Dr. Steeve is currently conducting an investigation of differences in motor control between English and Spanish speakers and studying how measures of language ability may correlate with an individual’s degree of motor stability. This investigation also studies the continuum of emerging motor gestures for speech within each language group.

**Melissa M. Allen, Ph.D. (University of Oregon):** Assistant Professor. Dr. Allen’s main research interests include response to intervention, early literacy, and treatment intensity. Her current research investigates the impact of treatment intensity on a phonological intervention. The purpose of this research is to inform professionals and parents who must decide how much treatment a child with a phonological disorder should receive.

**Doug Petersen, Ph.D., (Utah State University):** Assistant Professor. Dr. Petersen’s research interest is assessment of and intervention for language-learning disabilities. He has several publications in the areas of narrative language intervention and early identification of reading difficulties.

**Academic Professionals**

**LUCY C. CARTER, B.S. (University of Wyoming)** Associate Lecturer. Ms Carter teaches American Sign Language (ASL). She has a particular interest in increasing the quality and standardization of instruction in the state.
TODD L. CORBETT, M.A. (Lewis & Clark College) Associate Lecturer. Mr. Corbett specializes in instruction in ASL and deaf culture.

LYNDA D. COYLE, M.S. (University of Wisconsin-Eau Claire) Senior Lecturer. Ms Coyle is director of the speech clinic and clinical instructor in speech-language pathology. Her clinical interests primarily focus on acquired disorders.

CHRISTIANE DECHERT, M.A. (University of Arizona), M.A. (Washington State University) Associate Lecturer. Ms Dechert is a clinical instructor in speech-language pathology. She specializes in child language disorders.

TERESA J. GARCIA, M.S. (University of Wyoming), Associate Lecturer. Ms Garcia is director of the hearing clinic and a clinical instructor in audiology.

CATHERINE L. ROSS, M.S. (University of Wyoming), Assistant Lecturer. Ms. Ross is a clinical instructor in speech-language pathology. She specializes in school-age language disorders.

AMY M. WEAVER, M.S. (University of Wyoming), Associate Lecturer. Ms Weaverer is a clinical instructor in audiology with a specialization in balance assessment.

Division of Kinesiology and Health
Tami Benham Deal, P.E.D. (Indiana University): Associate Professor. Dr. Benham Deal has two main research foci: (1) youth physical activity, including a description of physical activity patterns and an explanation of factors that influence it, and (2) promoting health literacy in 21st century schools.

Mark Byra, Ph.D. (University of Pittsburgh): Professor and Division Director. Dr. Byra's main research interests focus on the examination of learner behavior in physical education classes as influenced by different styles/models of teaching.

Jayne M. Jenkins, Ph.D. (University of North Carolina, Greensboro): Associate Professor. Dr. Jenkins' research interests revolve around curriculum and instruction. Investigations include pre-service teacher development (e.g., pedagogical content knowledge) particularly in terms of observation and peer coaching, as well as curriculum design, development, models, and instructional models. Additional research concerns focus on university conceptual physical education courses in regard to outcomes, cohesion, and exercise adherence.

Christine M. Porter, Ph.D. (Cornell University): Assistant Professor. Dr. Porter conducts community-based participatory research on community food systems for obesity and hunger prevention, as well as equitable economic development and ecological sustainability. She is also interested in public health ethics.

R. Tucker Readdy, Ph.D. (Oregon State University): Assistant Professor. Dr. Readdy’s research interests include self-perceptions, the relationship between exercise and mental health, and the representation of athletes and exercisers in popular culture. Dr. Readdy explores these themes in response to compelling recent and future trends in sport, exercise, and physical activity.
Derek T. Smith, Ph.D. (University of Colorado, Denver): Associate Professor. Dr. Smith's main research interest is the development, testing, and dissemination of lifestyle physical activity interventions and assessing their cardio-protective effects. Dr. Smith's work aims to translate effective lifestyle physical activity interventions for greater public access using validated behavior change approaches combined with contemporary technologies, specifically internet-/mobile-platforms and pedometers.

D. Paul Thomas, Ph.D. (Temple University): Professor, CHS Associate Dean for Planning and Development, and Adjunct Professor, Department of Animal Science and Department of Zoology/Physiology. Dr. Thomas' main research interest is cardiac adaptations to physiological and pathological stresses. Dr. Thomas' research interests relate to identification of cardiac structural and functional adaptations to both physiological and pathological stresses.

Tristan Wallhead, Ph.D. (Ohio State University): Associate Professor. Dr. Wallhead's main research interest is sport-based physical education curricular models. He is interested in examining student learning and physical activity participation in the Sport Education Model and the Tactical Games Approach.

Qin (Arthur) Zhu, Ph.D. (Indiana University): Assistant Professor. Dr. Zhu's main research interest is the study of perceptual-motor skills (i.e., the skills we use daily or in sport settings). Dr. Zhu examines how perception and action are intertwined in forming perceptual-motor skills and how maximum efficiency could be achieved in sensorimotor control.

Division of Medical Education (Family Medicine Residency Program & WWAMI)

Matthew D. McEchron, Ph.D. (University of Miami): Associate Professor and Director of the WWAMI Medical Education Program. Dr. McEchron's laboratory focuses on how neuronal networks process and store information during learning. He also studies how nutritional components (e.g., iron, lipids, folate, DHA, PUFAs) affect the physiological development of these networks and how neuronal networks within the hippocampus and related structures encode learned information.

Frederick J. Dreiling, Ph.D. (University of North Carolina, Chapel Hill): Clinical Assistant Professor. Dr. Dreiling's research currently focuses on digital processing of anatomical and histological specimens.

Fay W. Whitney School of Nursing (FWWSON)

Mary E. Burman, Ph.D. (University of Michigan): Professor and Dean of FWWSON. Dr. Burman's research interests focus on advanced practice nursing models of care, outcomes of care, clinical education models in nursing, and rural health care.

Pamela N. Clarke, Ph.D. (Wayne State University): Professor. Dr. Clarke's research interests focus on health behavior and health promotion in vulnerable populations, including homeless populations and battered women; qualitative methods derived from nursing theory; access to care and care delivery to at-risk populations in the community; evaluation of outcomes across settings; development and testing of new service models; and nursing and public health workforce issues.
Pamala D. Larsen, Ph.D., (University of Northern Colorado): Professor and FWWSON Associate Dean for Academic Affairs. Dr. Larsen studies the psychosocial aspects of chronic illness in the older adult.

Susan H. Steiner, Ph.D. (University of Wyoming): Clinical Associate Professor and FWWSON Associate Dean for Clinical and Community Affairs. Dr. Steiner’s research interests are women’s reproductive health and evaluation of methods for improving nursing education.

Anne Bowen, Ph.D. (West Virginia University): Professor. Dr. Bowen studies HIV prevention among high risk urban, rural, and Tanzanian populations.

Ann Marie Hart, Ph.D. (University of Colorado Health Sciences Center): Associate Professor. Dr. Hart’s research interests focus on nurse practitioner education, incorporating evidence-based practice into primary care, barriers to using evidence-based practice in primary care, and advanced practice nursing faculty practice.

Barbara (Robinson) Philips, Ph.D. (CU Denver): Assistant Professor. Dr. Philips research centers on access to health care and use of informatics among the rural elderly.

Mary Ann Purtzer, Ph.D. (University of Wyoming): Assistant Professor. Dr. Purtzer’s research focuses on processes inherent in mammography-screening decisions of rarely or never-screened women; the interface of critical reflection, personality styles, and affect in mammography and Pap test screening decisions; the interface of critical reflection and personality styles in nursing students’ learning needs; and personal health information management and self-monitoring behaviors of cancer survivors.

Jennifer Thomas, Ph.D. (Colorado State University): Assistant Professor. Dr. Thomas studies social cognition and health, psychosocial factors and illness behavior, risk perception, and type 2 diabetes.

Academic Professional Lecturers

Carrie Deselms, MSN (University of Northern Colorado): Associate Lecturer. Ms. Deselms studies acute care medical-surgical nursing; emergency nursing; family and geriatric nursing, leadership, and management; rural health nursing; and Wyoming community assessment.

Elizabeth Goodwin, MS (University of Wyoming): Associate Lecturer. Ms Goodwin studies pediatrics and cancer disparities in vulnerable populations.

Connie Diaz Swearingen, MSN (University of Northern Colorado): Assistant Lecturer. Ms. Swearingen studies public health competency development; nursing workforce development, including systems and factors that facilitate formal nursing education, rural health issues, and community health promotion.

Dana Murphy-Parker, MS (University of Colorado Health Sciences Center): Assistant Lecturer. Ms. Murphy-Parker studies role acquisition and role development of advanced practice nurses in the area of screening and assessing for substance-related disorders, prevention and treatment of co-occurring mental health and substance abuse disorders, identification and treatment of impaired nursing professionals, and the utilization of Sister Callista Roy’s Adaptation Model for development of patient care.
Deb Retz, MS (University of Wyoming): Assistant Lecturer. Ms. Retz studies acute care in cardiac diagnosis and treatment and the prevention of heart disease in women.

Holly Miller, MS (University of Wyoming): Assistant Lecturer and Director of the Clinical Simulation Center. Ms. Miller focuses on medical-surgical nursing, teaching and evaluating clinical psychomotor skills, and all levels of simulation.

Janet Somlyay, MSN (University of Wyoming): Assistant Lecturer. Ms. Somlyay studies child and adolescent mental illness.

Janice E. Stephens, Ph.D. (University of Wyoming): Adjunct Nursing Faculty. Ms. Stephens studies health professions and general public education and health promotions with a focus on wholistic health self-leadership and management with the aim of helping the public move toward longer, healthier lives.


Kristy Nielson, MSN (St. Joseph's College of Maine): Assistant Lecturer. Ms. Nielson's areas of interest are patient safety, development of new ideas and ways to conduct acute care clinical experiences, active teaching/learning techniques in distance education in nursing and health care reform.

Laura Ann Mallett, MSN (Pittsburgh State University): Assistant Lecturer. Ms. Mallett focuses on teaching strategies, test development, critical thinking, genetics in nursing, and acute care (ER, ICU).

Linda Johnson, MS (University of Wyoming): Assistant Lecturer. Ms. Johnson specializes in mental health, preventative and acute health care, and care of at-risk and indigent populations.

Linda Williams, MS (University of Wyoming): Assistant Lecturer. Ms. Williams specializes in nursing leadership and management, community health/public health nursing, health promotion, and generational differences in the workplace.

Margaret Cashen, Ph.D. (University of California, San Francisco): Assistant Lecturer. Dr. Cashen focuses on getting health messages to vulnerable and underserved populations, including rural, inner city, and persons with HIV/AIDS; health messages and people with low health literacy; and nursing students, specifically 1) how nursing students form an opinion concerning the competency of nurse educators, 2) aside from memorization, how nursing students learn what they need to know to be knowledgeable care-providers, and 3) factors leading to "burn-out" in nursing students.

Penelope Caldwell, MS (SUNY at Stony Brook): Assistant Lecturer. Ms. Caldwell focuses on international/global health care, teaching life-saving skills to local midwives in developing countries, and reforming homebirth/midwifery legislation in Wyoming.

Susan Hager, MS (University of Wyoming): Associate Lecturer. Ms. Hager focuses on women’s health, rural health, professional nursing education, and community health.
Susan Christman, MS (University of Wyoming): Associate Lecturer. Ms. Christman focuses on public/community health, epidemiology, rural health issues, and health promotion; national and global health issues and assessment; and research and evidence-based nursing practice.

Terri Wolff, MSN (University of New Mexico): Adjunct Nursing Faculty. Ms. Wolff focuses on maternal-family nursing, public health nursing and community assessment, and curriculum development for the RENEW project.

Rachel Thomas, MSN (Walden University): Assistant Lecturer. Ms. Thomas focuses on critical care and emergency nursing, obstetrics, and acute care nursing.

Candy Stidolph, MSN (University of Wyoming): Assistant Lecturer. Ms. Stidolph focuses on wellness care and reproductive health issues and primary care for HIV-infected individuals in rural health settings.

Kim Raska, MS (University of Wyoming): Assistant Lecturer. Ms Raska focuses on obstetrics and family nursing.

School of Pharmacy (SOP)
Whitney A. Buckley, Pharm.D. (University of Wyoming): Clinical Assistant Professor of Pharmacy Practice. Dr. Buckley’s academic interests center on family medicine, HIV/AIDS, infectious disease, diabetes, hypertension, geriatrics, and health care legislative issues from her practice setting in internal medicine at the UW Family Medicine Residency Program, Cheyenne, Wyoming.

Jessie Burch, Pharm.D., BCPS (Midwestern University): Clinical Assistant Professor of Pharmacy Practice. Dr. Burch’s main research interests include diabetes, anticoagulation, and cardiovascular risk reduction. Her practice setting is Rose Medical Center working with the Rose Family Medicine Residency Program, Denver, CO.

Suzanne Clark, Ph.D. (Duke University): Assistant Professor of Pharmaceutical Sciences. Dr. Clark’s primary lines of research focus on epilepsy and neurotoxicology. Her research in epilepsy centers on animal models of complex partial seizures and the process of epileptogenesis by which these difficult-to-treat seizures develop and the use of these models to study anticonvulsant and anti-epileptogenic drugs. Her research in neurotoxicology centers on the cellular and behavioral toxicities of antagonists of N-methyl-D-aspartate receptors.

E. Kurt Dolence, Ph.D. (University of Kentucky): Associate Professor of Medicinal Chemistry and Adjunct Appointment in the Department of Chemistry. Dr. Dolence’s main research interests focus on organic chemistry (new methodology), bioconjugation chemistry, metabolism, and analytical chemistry.

Michelle L. Hilaire, Pharm.D. (Duquesne University): Clinical Assistant Professor of Pharmacy Practice. Dr. Hilaire’s main research interests are diabetes, cardiovascular risk reduction, medication compliance, and pharmacist-physician relationships. Her primary objective is to find ways to establish collaborative working relationships that provide enhanced patient care and optimized medication-disease outcomes.
Melissa Hunter, PharmD, R.Ph. (University of Wyoming): Director of the Drug Information Center (DIC) in the Division of Pharmacy Practice. The DIC responds to medication-related requests from any citizen in the state of Wyoming, as well as from alumni of the SOP. The DIC responded to 1,084 requests in academic year 2007-2008. Dr. Hunter’s main research interest is dextromethorphan use and abuse in children and adolescents and nurse/pharmacist collaboration and outcomes.

Carol J. H. Kobulnicky, Ph.D. (University of Wisconsin-Madison: Associate Professor. Dr. Kobulnicky conducts research aimed at improving patient advocacy and involvement. This includes efforts to explore and increase shared decision-making and self-management through patient self-monitoring, as well as direct inquiry into pharmacist-provided patient care and information needs of patients at the point of dispensing. She also researches teaching scholarship to improve student ability-outcomes in communications.

Janelle L. Krueger, MS, R.Ph. (University of Kansas): Clinical Assistant Professor of Pharmacy Practice and Director of Experiential Education. Dr. Krueger’s academic interests are experiential education, specifically the development and quality assurance of both introductory and advanced pharmacy practice experiences, service-learning, assessment, leadership, and women’s health.

Kem P. Krueger, Pharm.D. (University of Missouri-Kansas City), Ph.D. (University of Arizona): Associate Professor, Division of Pharmaceutical Sciences. Dr. Krueger’s main research interests focus on pharmacoeconomics and outcomes research, specifically the measure of the clinical and economic impact of pharmacy services, medication adherence, modeling disease interventions, and validating disease state models.

Linda Gore Martin, Pharm.D. (Creighton University): Associate Professor. Dr. Martin’s research interests focus on special populations, including geriatrics, women, and low-income individuals, and on outcomes of pharmacoeconomics, health, and digital literacy.

Jennifer L. Petrie, Pharm.D. (University of New Mexico): Clinical Assistant Professor of Pharmacy Practice. Dr. Petrie’s research interests focus on medication safety, trauma, critical care, asthma, cardiology, and infectious diseases. Her practice setting is the Medical/Surgical Post Trauma at the Medical Center of the Rockies in Loveland, Colorado.

Jun Ren, M.D. (Peking Union/Xinjiang Medical College), Ph.D. (University of Alberta): Professor. Dr. Ren’s main research areas are cardiovascular pathophysiology, neuronal signal transduction, and cell death. The work conducted in his lab includes oxidative stress, apoptosis, protein post-translational modification, cardiac excitation-contraction coupling, gene therapy, and stem cell research in cardiovascular and neurodegenerative diseases. In addition, Dr. Ren studies alternative medicine for treatment of hypertension, congestive heart failure, and neurodegenerative disease.

Robert D. Scalley, Pharm.D. (University of Southern California): Professor of Pharmacy Practice and Associate Dean of SOP. Dr. Scalley’s academic interests are infectious diseases, diabetes mellitus, and family practice. He practices at Poudre Valley Hospital in Fort Collins, Colorado.
Nair Sreejayan, Ph.D. (Mangalore University): Associate Professor of Pharmaceutical Sciences. Dr. Sreejayan’s main research interest is diabetes and cardiovascular diseases. His research focuses on the cellular signal transduction pathways involved in the pathogenesis of type-2 diabetes and cardiovascular diseases. His lab is also interested in developing and characterizing novel pharmacological agents that would potentially help alleviate these diseases.

Kathleen A. Thompson, Pharm. D. (University of Oklahoma Health Sciences Center): Assistant Professor of Pharmacy Practice. Dr. Thompson’s academic interests are critical care, infectious diseases, nutrition, and cardiology. Dr. Thompson’s practice setting is the Swedish Family Medicine Residency Program in Englewood, Colorado. Her research interests include infectious diseases and anticoagulation.

Christy M. Weiland Pharm.D. (University of Washington): Clinical Assistant Professor of Pharmacy Practice. Dr. Weiland’s main research interests are family practice, heart failure, infectious disease, and insulin management. Her practice setting is Poudre Valley Hospital where she works with the Fort Collins Family Medicine Residency Program.

Tonja Woods, Pharm.D. (University of Wyoming): Clinical Assistant Professor of Pharmacy Practice. Dr. Woods’ clinical and research interests include geriatrics/aging, diabetes, anticoagulation, and cardiovascular risk reduction. She currently practices as a clinical pharmacist in an internal medicine outpatient practice.

Division of Social Work
Andrea DeVita, MSW (University of Maryland): Assistant Lecturer and MSW Admissions Coordinator. Ms. DeVita’s areas of expertise include mental health and chronic mental illness.

Elizabeth “Liz” Dole-Izzo, MSW (Colorado State University): Assistant Lecturer and Field Coordinator. Ms Dole-Izzo’s areas of expertise are advocacy, health, and medical social work.

Carolyn Haney, MSW (University of Wyoming): Associate Lecturer and BSW Coordinator. Ms. Haney’s areas of expertise include undergraduate social work education, school social work, and disabilities.

Diane Kempson, Ph.D. (University of South Carolina): Associate Professor. Dr. Kempson’s research interests focus on grief and trauma, complementary and alternative medicine, massage for caregivers, mental health, motivational interviewing, and assessment approaches.

Wook-Jin Kim, Ph.D. (University of Chicago): Assistant Professor. Dr. Kim’s research focuses on the economic development, planning, and organization of underserved communities in the US and Korea.

Kelli Larsen, Ph.D. (University of Maryland): Assistant Professor. Dr. Larsen’s research interest is spirituality in social work practice.

Neely Mahapatra, Ph.D. (University of Texas): Assistant Professor. Dr. Mahapatra’s research focuses on interpersonal violence, violence against minority women and children, and human trafficking.
Kathleen McKinney, Ph.D. (Colorado State University): Assistant Professor. Dr. McKinney’s research interests include stigma in mental health and macro social work practice/community organizing for mental health.

Vicki Murdock, Ph.D. (University of South Carolina): Director and Associate Professor. Dr. Murdock’s research focuses on spirituality, gerontological social work practice, and practice and program evaluation.

Mona C. S. Schatz, DSW (University of Pennsylvania): Professor. Dr. Schatz’s research interests focus on practice and community action research, generalist/advanced generalist social work, social work education, portfolio development research, transnational social work, international family and child practice, foster care and child welfare, juvenile justice, and family and systems theory.

Joanne Theobald, MSW (University of Wyoming): Assistant Lecturer and Assistant BSW Coordinator at UW/CC: Ms. Theobald’s expertise areas include body image and self-esteem and mental health awareness and treatment.

Wyoming Institute for Disabilities (WIND)
Michelle Jarman, Ph.D. (University of Illinois at Chicago): Assistant Professor. Dr. Jarman’s research interests include 20th century U.S. literatures, intersections between feminist theory and disability studies, and cultural representations of disability. Her essays have appeared in journals such as MELUS (Multi-Ethnic Literatures of the United States), Review of Disability Studies, and several literary and disability studies anthologies.

William E. MacLean, Jr., Ph.D. (Peabody College of Vanderbilt University): Director and Professor. Dr. MacLean’s research focuses on the development of stereotyped and self-injurious behavior in young children with developmental disabilities and the relation between stressful social interactions and depression in adults with intellectual disability.

III. Peer-Reviewed Publications
CRHRE:

Division of Communication Disorders: (bold is UW ComDis faculty, * is student)
Peer-Reviewed Publications

Other Publications
4. Ukrainetz, T.A. (2010, October). Evidence based intervention for narrative and expository discourse. 6-hr presentation, Laramie County School District, Cheyenne, WY.

Division of Kinesiology and Health:


**Refereed Book Chapters**


**Medical Education:**

**FWWSON:**


**OTHER PUBLICATIONS**

SOP:
**Division of Social Work:**

**WIND:**

**Book Chapter**

**IV. Meeting Presentations and Abstracts**

**CRHRE:**

**Division of Communication Disorders:** (bold is UW ComDis faculty, * is student)

**Division of Kinesiology and Health:**


Medical Education:

FWWSN:


**SOP:**


4. Ceylan-Isik AF, Kandadi MR, **Ren J, Nair S.** Apelin alleviates high fat diet-induced cardiac remodeling and myocyte contractile dysfunction: Role of miRNA-133a. CHS Grand Round, April 1, 2011.

5. Guo R, **Ren J.** Deficiency in AMP-activated protein kinase attenuates acute ethanol-induced cardiac contractile dysfunction: Role of autophagy. Second Biennial Western Region IDEa Scientific Conference, (featured speaker series), June 6-8, 2011, Reno, NV.

6. Hua Y, **Ren J, Nair S.** Cathepsin-K knockout mitigates high fat diet-induced cardiac dysfunction. CHS Grand Round, April 1, 2011.


12. **Ren J.** "Role of oxidative stress in cardiac aging", Target Meeting on "Molecular targets and mechanism of aging" Webinar, delivered in US on June 25, 2011 (session chair).


14. **Roe ND, Ren J.** iNOS inhibition causes myocardial abnormalities through an AKT dependent pathway. CHS Grand Round, April 1, 2011.


18. **Zhang Y, Ren J.** Overexpression of aldehyde dehydrogenase 2 alleviates aging-induced cardiac remodeling and myocardial contractile dysfunction. CHS Grand Round, April 1, 2011.

19. **Zhang Y, Xia Z, Richmond KL, Bucala R, Ren J.** CD74 Knockout Rescues against Obesity-Induced Cardiac Hypertrophy and Contractile Dysfunction: Role of Autophagy and ER Stress Second Biennial Western Region IDeA Scientific Conference, (featured speaker series), June 6-8, 2011, Reno, NV.

20. **Zhang Y, Li LL, Hua Y, Nunn JM, Dong F, Yanagisawa M, Ren J.** Cardiomyocyte-specific knockout of endothelin A receptor mitigates cold exposure-induced myocardial hypertrophy and contractile dysfunction: Role of TRPV1 and mitochondrial oxidative damage. AHA Winter Conference, Keystone, CO February 2011.

21. **Zhang Y, Nair S.** The role of Endothelin Receptor-1A (ETA) in Obesity Associated Cardiac Dysfunction. CHS Grand Round, April 1, 2011.


23. **Hilaire ML, Gunning K.** Integrating the basic and clinical sciences in a traditionally-structured curriculum, American Pharmacist Association Annual Meeting, March 2011, Seattle, WA.

Division of Social Work:

WIND:
2. Jarman, M. (November 2010). Getting ‘Precious’: To pity the girl or rise up with her. Podium presentation at the National Women’s Studies Association Conference, Denver, CO.

V. Invited Seminars
CHS Research Day/Grand Rounds was held on Friday, April 1, 2011, in the Family Room on the second floor of the Wyoming Union. Paul Thomas, Ph.D., Associate Dean for Planning and Development who organized the event, announced the opening of the venue at 8:50 a.m. David L. Shern, President and CEO, Metal Health America, gave a presentation entitled “Behavioral Health in the Era of Health Reform: Important Opportunities to Improve Health and Contain Costs” while Dr. Pamela Fuller, Staff Psychologist from Wyoming State Hospital, Evanston, WY, spoke on “Mental health issues in Wyoming and the dimensional nature of life’s problems: An overview”. Dr. Brent D. Sherard, M.D., Director and State Health Officer, Wyoming Department of Health, presented on “The State of Mental Health in Wyoming”. Other speakers from the College of Health Sciences included Mary Anne Purtzer of Nursing, Dana Murphy-Parker of Nursing, Diane Kempson and Vicki Murdock from Social Work. In the afternoon poster session, students and faculty showcased more than 30 presentations. At the end of the day, Dr. Thomas announced the winners of internal faculty and student research and travel competitive awards.

Division of Communication Disorders:
4. Ukrainetz, T.A. (2010, October). Evidence based intervention for narrative and expository discourse. 6-hr presentation, Laramie County School District, Cheyenne, WY.
Division of Kinesiology and Health:
2. **Thomas, D.P.** (2011, June). *Extracellular matrix as a modulator of heart function: Contrasting training-induced vs. pathological left ventricular hypertrophy (LVH).* Invited oral paper presented at the School of Sport, Health, and Exercise Sciences, Bangor University, Gwynedd, UK.

**FWWSON:**

**SOP:**
32. **Ren J.** “Tips on biomedical scientific writing and publication”, Zhongshan Hospital, Fudan University, Shanghai, China, May 2011.
33. **Ren J.** ”ALDH2 in cardiovascular diseases: a double-edged sword”, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China, December 2011.
35. **Hilaire ML** Revealing the Cure. Invited Presentation to the 2011 Juvenile Diabetes Research Foundation International Banquet hosted by the Cardinal Key National Honor Society. Laramie, WY, Feb 2011.
36. **Harshberger C.** Oncology – new drug update, Ivinson Memorial Hospital Cancer Committee, May 31, 2011 [Invited Presentation]
38. **Harshberger C, Krueger J.** Student Portfolios: A Tool for Pharmacy Education: UWSOP Preceptor Education, 94th Annual WPhA Convention, June 25, 2011 [Invited Presentation]

**Division of Social Work:**
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4. **Mahapatra, N.** (2010). South Asian Women and Domestic Violence. Presented at the Nightingale Center for Nursing Scholarship, College of Health Sciences, UW at Laramie as a part of NCNS Scholarship Luncheon Series 2010. (Data-based)


**WIND:**


**VI. RESEARCH GRANTS AND CONTRACTS SUBMITTED CRHRE:**

1. Mobile Phone Applications for Effective Communication of Substance Abuse Treatment Plans. Substance Abuse and Mental Health Services Administration. Not funded.

**Division of Communication Disorders:**


**Division of Kinesiology and Health:**

1. **Smith, D.T. [PI] (6/10).** Clinically-compatible technology for behavior change and chronic disease prevention. Wyoming SBIR/STTR Initiative (WSSI) Phase 0 ($5,000)
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FWWSON:
3. Hopper & Bowen (2011-2012) Reducing maternal mortality through hands-on skills training for rural Tanzanian Nurse/Midwives using a mobile High Fidelity Birthing Simulation Lab. USAID & Gates
4. McCoy (Bowen) (2010-2014) HIV/AIDS TESTING and STIGMA in the U.S. VIRGIN ISLANDS (USVI) NIH, NIMH (R01)
5. Williams (Bowen) (2010-2012) Tanzanian AIDS Prevention Project – Stigma and Social Support Study (TAPP – S3 Study) NIH/NIDA (R21)

SOP:
1. Sreejayan, N: Targeting Cathepsin K to Alleviate Pressure Overload-Induced Cardiac Hypertrophy; $357,500; Period: 01/01/2012-12/31/2014; National Institutes of Health, Not funded, priority score 27
2. Ceylan-Isik, A, CoPI: Sreejayan, N: Apelin Attenuates High Fat Diet-Induced Cardiac Dysfunction: Regulation of miR-133a by Apelin; $132,000.00; Period: 7/1/2011-6/30/2013; Agency: American Heart Association, Not funded
4. 2010-11. Clark S, Hermansen-Kobulnicky CJ, Krueger KP, Hunt DM (Multi-PIs). Wyoming Energy and Extractive Industries Health Care Education and Research Project. University of Wyoming School of Energy Resources Matching Grant. $100,000 (funded, but was contingent upon NIOSH grant funding which was not funded).

Division of Social Work:

WIND:
2. Marquart-Westlake, L. Wyoming Department of Health – Community and Public Health Program. $100,000

VII. Research Grants and Contracts in Force

CRHRE:

Division of Communication Disorders:

Division of Kinesiology and Health:
1. Jenkins, J.M. [PI] (2010). Incorporating technology into outreach classes KIN 4099 (spring 2011) and KIN 5012 (summer 2011). University of Wyoming Outreach Credit Program Tie Project (funded $1,550)
2. Porter, C.M. [PI] (10/10-10/12). Community politics and leadership: Community health. Kettering Foundation Learning Contract (funded $5000)
7. Zhu, Q. [PI] (5/10-6/11). Investigating the effect of bimanual transfer of learning on acquisition of a fine and gross motor skill. University of Wyoming, College of Health Sciences, Summer Seed Research Grant, and University of Wyoming Faculty-Grant-In-Aid (funded $15,000)

Medical Education:
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1. **McEchron M.** Iron nutrition and impaired hippocampal development (Current) $170,000/year, Principal Investigator: NIH/NICHD. 1R01 HD050423-01. 7/1/07 – 6/30/12.

2. **McEchron M. (PI), Easton M. (Director)** $70,000/year. Wyoming Area Health Education Center Model States. 8/1/11 – 7/31/12.

**FFWSON:**


2. **Bowen, A.** (2009-2012) Wyoming Addicts Recover with Microfinance (WARM) Program DOJ. $75,000

3. **Bowen, A.** Co-I (2010-2012) Tanzanian Drug Treatment as AIDS Prevention - Reliability and Validity Study (D-TAPP). NIH/NIDA, (R21) $300,000


**SOP:**


**Division of Social Work:**

1. **2011, Mahapatra, N., Kim, W., & McKinney, K.** University students and use of Social Network Sites: Relationship between perceived social support and general well-being. College of Health Sciences’ Grant Award 2011, University of Wyoming; $3,200 research grant.

2. **2011, Mahapatra, N.,** Voices from behind closed doors: Women experiencing domestic violence in India. International Travel Grant, University of Wyoming at Laramie; $2,000; research grant.

3. **2011, Mahapatra, N.** “Pathways to seeking formal/outside help for domestic violence victims of South Asian origin.” Social Justice Research Center Grant, University of Wyoming; $3,000; research grant.


5. **2011, Murdock, V.** (PI) and Dole-Izzo, E. Hartford Practicum Partnership in Aging

6. Education (HPPAE); continuation of funding for one additional year.

7. **2010-2013, Murdock, V.** (PI) and Dole-Izzo, E. Child Welfare Training: National Child

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10. 2011 Haney, C., primary applicant, Kempson, D., & Dole-Izzo, E., team members, 2010-2011 Assessment Academy, Ellbogen Center for Teaching and Learning Center, continuation grant $500

WIND:

2. Marquart-Westlake, L. Wyoming Department of Health – Community and Public Health Program. $100,000

VIII. Student Research (Graduate or Undergraduate)
Division of Communication Disorders:
5. Language Sample Analysis: C-unit versus T-unit project, Ukrainetz & Allen
   Graduate assistants, formal: Abel, Amber; DeGeorge, Christine; Ogilby, Kate; Strate, Julie; Sloan, Samantha
6. Large-Group Narrative Intervention and Autism Narrative Intervention Projects, Petersen
   Graduate assistants, formal & volunteer:
   i. Burns, Lisa (Grad Assist & Lab Coordinator)
   ii. Brown, Catherine (thesis)
   iii. DeGeorge, Christine
   iv. Zebre, Jennifer
   v. Powell, Stacey
   vi. Ogilby, Kate
   b. Undergraduate assistants (independent study & volunteer)
   i. Hough, Kalayla
   ii. Rust, Kraig
   iii. Baltz, Eva
   iv. Straub, Brianna
   v. Chanthonthip, Helen
   vi. Kurth, Diane
   vii. Knotwell, Chelsea
   7. Ogden Utah Dynamic Assessment Project, Petersen & Allen
   Graduate research assistants, volunteer
   i. Lee, Carissa
   ii. Heber, Emily
   iii. Brown, Catherine
   iv. Yourkowski, Eden
   v. Cotherman, Angela
   vi. Roland, Este
   vii. Kavanagh, Carolyn
   viii. Whitaker, Andrea
   ix. Abel, Amber
   x. Marsh, Melanie
   Undergraduate research assistant, volunteer: Smitherman, Katelyn

Division of Kinesiology and Health:
Presentations


Research and Travel Grants
1. Megan Sexton received a 2011 College of Health Sciences Travel Grant Award for $750. She presented a poster titled “Total Energy Intake is Decreased by an Internet-delivered Physical Behavior Change Program” at the annual ACSM Conference in Denver in June 2011.

2. Peggy McCrackin received a 2011 College of Health Sciences Research Grant Award for $1,000. She conducted a study titled “Collaborative Gardening: Testing the Impact of Mini-grants on Generating Project Action,” in July 2011.

Research Fellowships
1. Todd Mirich, undergraduate in the Kinesiology and Health Promotion major, received a College of Health Sciences National Institutes of Health INBRE Undergraduate Research Fellowship Award to complete a research project Summer 2011.

2. Charli Youngberg, undergraduate in the Physical Education Teaching major, received a National Science Foundation EPSCoR Undergraduate Research Fellowship to complete a research project Summer 2011.

M.S. Degree Graduates
1. Kori Black completed her M.S. Degree in Kinesiology and Health in December 2010. The title of her plan B paper project was "Motor Development in Children with Down Syndrome." Her program and paper advisor was Dr. Tristan Wallhead.

2. Ethan Gato completed his M.S. Degree in Kinesiology and Health in May 2011. The title of his plan B paper project was "Hamstring Development for Improved Performance and Injury." His program and paper advisor was Mark Byra.

3. Quincy Howe completed his M.S. Degree in Kinesiology and Health in August 2010. The title of his plan B paper project was "The Horizontal Jumping Events in Track and Field." His program and paper advisor was Mark Byra.

4. Jill Kittinger completed her M.S. Degree in Kinesiology and Health in December 2010. The title of her thesis study was “Correlates of Physical Activity in Young Adolescents: Do Perceptions about Behaviors and Beliefs Matter?” Her committee chair was Dr. Tami Benham Deal.

5. Tobin Korsch completed her M.S. Degree in Kinesiology and Health in August 2010. The title of her plan B paper project was "Dental Sealant as a Means of Caries Prevention." Her program and paper advisor was Mark Byra.

6. Yong Pratt completed her M.S. Degree in Kinesiology and Health in May 2011. The title of his plan B paper project was "Hamstring Development for Improved Performance and Injury." His program and paper advisor were Tami Benham Deal and Mark Byra.

7. Beth Sanchez completed her M.S. Degree in Kinesiology and Health in December 2010. The title of her thesis study was “Correlates of Physical Activity in Young Adolescents: Do Perceptions about Behaviors and Beliefs Matter?” Her committee chair was Dr. Mark Byra.
8. Jamie Scarcliff completed her M.S. Degree in Kinesiology and Health in May 2011. The title of her thesis study was “A Didactic Analysis of Student Learning During the Sport Education Tactical Model.” Her committee chair was Dr. Tristan Wallhead.

9. Megan Sexton completed her M.S. Degree in Kinesiology and Health in May 2011. The title of her thesis study was “Physical Activity Behavior Change: Is it a Gateway to Dietary Change?” Her committee chair was Dr. Derek Smith.

10. Chris Sundberg completed his M.S. Degree in Kinesiology and Health in May 2011. The title of his thesis study was “Differences in Fractional Cumulative Durations of Muscular Activity: A Primary Factor in Determining the Time-course of Muscle Force Impairment.” His committee chair was Dr. Matt Bundle.

11. Ed Waggy completed his M.S. Degree in Kinesiology and Health in May 2011. The title of his thesis study was “Training Modulates the Heart’s Response to Exhaustive Exercise.” His committee chair was Dr. Paul Thomas.

FWWSON:


SOP

1. Sreejayan Nair serves as major advisor for Yinan Hua from Biomedical Graduate Program and Evgeniy Panzhinskiy from Molecular and Cellular Life Sciences

2. BMS PhD student Xihui (Alex) Xu was awarded with a CHS student research grant in 2011.

3. Pacheco B (P1 PharmD candidate), Xu X, Ren J. The role of macrophage migration inhibition factor (MIF) in cardiac hypertrophy. UW Undergraduate Research Day (oral presentation), May 2011,

4. Richmond KL, Ren J, Zhang Y. Influence of CD74 Knockout on Obesity-Induced Cardiac Hypertrophy and Contractile Dysfunction: Role of Autophagy. UW Undergraduate Research Day (oral presentation), May 2011,

5. Xu X. “Role of autophagy in high fat diet-induced obesity and cardiac dysfunction” Suchow University Medical School, Suzhou, China, December 2011 invited talk.

6. Yu X, Kandadi MR, Ren J. Hyperleptinemia induced cardiac contractile dysfunction: Role of autophagy. UW Undergraduate Research Day (oral presentation guided by Machender Kandadi), May, 2011.


Division of Social Work:

1. Cooper, Christa (2011). Wyoming transportation event occupational fatalities and EMS accessibility. Thesis. (Schatz, UW-DOSW, Co-Committee Chair)
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WWAMI:
1. Ashley Breton is a BMS-Reproductive Biology graduate student in the McEchron laboratory. She has two current projects. One project has demonstrated that perinatal nutritional iron deficiency produces permanent alterations in dopaminergic-dependent synaptic plasticity in the hippocampus. Her second project demonstrates that BxD strains of inbred mice with low and high levels of brain iron show respectively impaired and normal dopaminergic synaptic transmission in the hippocampus. She plans to defend her Ph.D. dissertation in the spring of 2012.

WIND:

IX: Other Professional Activities

CRHRE:
1. Dr. Robert Wolverton, CRHRE Research Scientist, continued to serve on the Board of the Northwest Regional Telehealth Resource Center (NRTRC) and was Board President in 2010-11. Dr. Rex Gantenbein, CRHRE director, served on the NRTRC technical subcommittee.
2. Dr. Rex Gantenbein served as conference chair for the International Research and Applied Computing Symposium, held in Miami, FL in October 2001.
3. Hyrum Kurth, an undergraduate intern in the CRHRE, completed an internship during the summer of 2011 with the Wyoming Department of Health.

Division of Communication Disorders:
1. Dr. Mary Hardin-Jones, Professor, and Teresa Garcia, Associate Lecturer serve on the Wyoming State Licensure Board for Speech-Language Pathology and Audiology.
2. Teresa Garcia, Associate Lecturer, participated in the Utah Regional Leadership Education in Neurodevelopmental Disabilities: Cultural and linguistic diversity interdisciplinary training program.
3. Teresa Garcia continues to provide audiological services (and the division contributes facilities) for Pediatric Audiology Clinics, offered by the Wyoming Developmental Disabilities Division and other state agencies. These are held every six weeks in Laramie or Casper for children who fail newborn screenings or who have identified hearing loss.

Division of Kinesiology & Health:
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1. Sydney Ezell, a senior in the undergraduate Kinesiology and Health Promotion program, received the 2011 Willena Stanford Commitment to Diversity Award. This award is given to a University of Wyoming student who has made significant contributions to increase awareness of diversity and the richness it brings to the University of Wyoming community.

2. Dallas Fields and Stephanie Kirby were recognized as the 2010 Wyoming Association for Health, Physical Education, Recreation, and Dance Students of the Year in November.

3. Nicole Strom, senior in the Kinesiology and Health Promotion program, was elected as the Student Representative to the Rocky Mountain Chapter of the American College of Sports Medicine. She began serving her 2-year term in May, 2011.

4. Nicole Strom, senior in the Kinesiology and Health Promotion program, received an American Kinesiology Association Undergraduate Student Scholar Award for 2011.

5. Ed Waggy, graduate student in the Kinesiology and Health M.S. degree program, received an American Kinesiology Association Graduate Student Scholar Award for 2011.

FWWSON:

SOP:
1. The 2010 C-CRAM outstanding research award went to Drs. Megan Yingmei Zhang and Subat Turdi in SoP.


3. Yinan and Alex won the 2011 CHS Grand Round presentation and student research awards.

Division of Social Work:

2. Vicki Murdock serves on the WYGEC steering committee, the UW Mental Health Collaborative, and as a board member of WILR.

3. Mona Schatz serves on the DFS board.

4. Liz Dole-Izzo serves as treasurer of WY NASW.

5. Diane Kempson served on the search committee for the Social Justice Research Center director.

6. Bethany Cutts was awarded the UW/CC Adjunct Faculty of the Year award and Division of Social Work Field Instructor of the Year.

7. Joanne Theobald serves on the Honduras' Health Brigade advisory board.

WIND:
1. Dr. Michelle Jarman received the Outstanding Teacher Award from the College of Health Sciences in May 2011.

2. Dr. Michelle Jarman was selected as a UW Mortar Board "Top Prof," in Fall 2010.

3. Sandy Root-Elledge received the CHS Meritorious Service Award in May 2011.

4. Dr. William MacLean is an associate editor of the Journal of Mental Health Research in Intellectual Disabilities.

5. Dr. William MacLean is a member of the executive committee for the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities.