

Melissa L. M. Henry, Ph.D, FNP, RN

Position: Assistant Professor
School of Nursing
College of Natural and Health Sciences
University of Northern Colorado
Greeley, CO 80639

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Fort Collins, CO 80524

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- **Office:** (970)351-1735
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Education: 2006
PhD
University of Arizona
Nursing
Minor- Physiology

2002
MSN, FNP
University of Arizona
Nursing

1998
BSN
University of Minnesota
Nursing

Work Experience: 2005
University Physicians Healthcare, Tucson AZ
Pima County Juvenile Detention Center
Family Nurse Practitioner
Primary Care provider for detention population

2002-2005
First Correctional Medical, Tucson AZ
Pima County Juvenile Detention Center
Family Nurse Practitioner
Primary care provider for detention population

2002
HuHuKam Hospital and Outpatient Clinics and
Public Health Department- Rural Diabetic Clinics
Gila River Indian Community, Sacaton, AZ
Family Nurse Practitioner Intern
Provided primary and diabetes care to resident community

2001-2002
Casa de los Ninos, Tucson, AZ
Registered Nurse
Provided nursing care to homeless children

2000-2001
University Medical Center, Tucson AZ
Registered Nurse- Float Pool
Provided nursing care to acutely ill patients on various units

1998-2000
Hennepin County Medical Center, Minneapolis, MN
Registered Nurse Surgical/Trauma/Neuroscience Unit

Professional
Academic: Spring 2007- present
University of Northern Colorado, School of Nursing
Assistant Professor

Area of
Specialization: Type 2 Diabetes Physiology and Clinical Management; Stress Physiology;
Biological Methods for Nursing Research; High-Fidelity Simulation Pedagogy;
Nurse Faculty Stress and Job Satisfaction

Research Areas/
Interests: Interest in the physiologic mechanisms underlying the development of obesity and
type 2 diabetes and the role of prevention of these disorders by nurse practitioners
and public health nurses. Also, interested in stress incurred by nursing students
and faculty and its relationship with job satisfaction and retention.

Publications: **Juried Articles:**

(In Review) Brown, C. E., Henry, M. L. M., Barbera, J., & Hyslop, R. M. A
Bridge between Two Cultures: Uncovering the Chemistry Concepts
Relevant to the Nursing Clinical Practice. *The Journal of Chemical
Education*. Manuscript ID: ed-2011-00041x

Henry, M. L., Davidson, L. B., Cohen, Z., McDonagh, P. F., Nolan, P. E.,
& Ritter, L. S. (2009). Whole Blood Aggregation, Coagulation, and
Platelet Markers of Activation in Diet-Induced Diabetic C57BL6/J Mice.
Diabetes Research and Clinical Practice, 84, 11-18.

Henry, M. L.M., Davidson, L. B., Wilson, J. E., McKenna, B., Scott, S., McDonagh, P., & Ritter, L. (2008). Whole Blood Aggregation and Coagulation in *db/db* and *ob/ob* Mouse Models of Type 2 Diabetes. *Blood, Coagulation, and Fibrinolysis*, 19(2), 124-134.

Maes, M., Davidson, L., McDonagh, P. F., & Ritter, L. (2007). Evaluation of Sample Fixation and Comparison of LDS-751 or anti-CD45 for Leukocyte Identification in Mouse Whole Blood using Flow Cytometry. *Journal of Immunological Methods*, 319, 79-86.

Juried Abstracts:

Henry, M. L. M., Davidson, L. B., McDonagh, P. F., & Ritter, L. S. (2009). The effects of insulin resistance and hyperglycemia on neutrophil function in mice. The 69th Scientific Sessions [Abstract 2323-PO], *Diabetes, suppl June 2009*.

Maes, M., Davidson, L., McDonagh, P., & Ritter, L. (2006). Platelet microparticle formation is increased in mice with diet-induced diabetes. [Abstract 419.16]. 2006 Experimental Biology meeting abstracts [on CD-ROM].

Davidson, L., Wilson, J., Maes, M., McDonagh, P., Coull, B., & Ritter, L. (2006). Platelet aggregation is not increased in *db/db* and *ob/ob* diabetic mice. [Abstract 419.5]. 2006 Experimental Biology meeting abstracts [on CD-ROM].

Maes, M., Davidson, L., McDonagh, P., & Ritter, L. (2005). Comparison of cell fixing and use of LDS-751 and CD45 to identify mouse leukocytes and to measure granulocyte function with flow cytometry. [Abstract 52.5]. *The FASEB Journal*, 19(5).

Ritter, L., & Maes, M. (2005). Detection of platelet-leukocyte conjugates in normal and diabetic mice using flow cytometry. [Abstract]. *Biological Research for Nursing*, 6(4), 316-317.

Maes M, Cohen Z, Wilson J, Coull B, McDonagh P, & Ritter L. (2003). Use of flow cytometry to examine inflammatory markers in blood from *db/db* mice. [Abstract A262]. *The FASEB Journal*, 17.

Professional
Presentations:

Juried Presentations:

Poster Sessions:

2010 The balance of work and family in the nurse educator role. Henry, M. L. M., Brown, L., Deters, J., Sampson, J., & Chen, P. Western Institute of Nursing, 43rd Annual Communicating Nursing Research Conference, Research and Information Exchange, Glendale, AZ, April 14-17, 2010.

2009 Demands-Abilities fit as a source of job dissatisfaction and burnout in nurse educators. Henry, M., Brown, L., Sampson, J., & Chen, P. The 8th International Conference on Occupational Stress and Health. San Juan Puerto Rico, November 5-8.

2009 Methodological considerations when measuring stress with salivary cortisol. Henry, M., Dougherty, J., Merrill, A., Wilson, V., Sampson, J., Gardner, P., & Chen, P. The 8th International Conference on Occupational Stress and Health. San Juan Puerto Rico, November 5-8.

2009 Stress, coping, and health in traditional and second-degree nursing students. Dougherty, J., Sampson, J., Merrill, A., Henry, M., Wilson, V., Gardner, P., Sampson, J., Ermann, E., & Chen, P. The 8th International Conference on Occupational Stress and Health. San Juan Puerto Rico, November 5-8.

2009 The impact of faculty social support on nursing student stress. Merrill, A., Henry, M., Dougherty, J., Wilson, V., Gardner, P., Sampson, J., Ermann, E., & Chen, P. The 8th International Conference on Occupational Stress and Health. San Juan Puerto Rico, November 5-8.

2009 Self-esteem as a protective factor to mitigate stress in nursing: a longitudinal study. Wilson, V., Henry, M., Dougherty, J., Merrill, A., Gardner, P., Sampson, J., Ermann, E., & Chen, P. The 8th International Conference on Occupational Stress and Health. San Juan Puerto Rico, November 5-8.

2009 Personality moderators of the relationship between need for recovery and health. Gardner, P. C., Sampson, J. S., Chen, P. Y., Dougherty, J., Henry, M., Merrill, A., & Wilson, V. NIOSH Education and Research Center for Occupational & Environmental Safety Conference, Denver, CO, January, 2009.

2008 An investigation of personality determinants of person-occupation and demand-ability fit. Cigularov, K., Sampson, J. M., Gardner, P. C., Chen, P. Y., Dougherty, J. P., Henry, M., Merrill, A., & Wilson, V. 2008 7th International Conference on Occupational Health and Stress, Washington, DC.

2006 Effects of a high saturated fat diet on blood inflammatory markers in mice. Maes, M., & Ritter, L. Western Institute of Nursing, Communicating Nursing Research Conference, Albuquerque, NM.

2006 Platelet microparticle formation is increased in mice with diet-induced diabetes. Maes, M., Davidson, L., McDonagh, P., & Ritter, L. Experimental Biology Conference, San Francisco, CA.

2005 Diabetes enhances leukocyte accumulation in the cerebral microcirculation after ischemic stroke. Ritter, L., Gorman, G., Maes, M., Davidson, L., & McDonagh, P. A Special Transatlantic Meeting of the Microcirculatory Society, Inc. and The British Microcirculation Society, Durham NH.

2005 Comparison of cell fixing and use of LDS-751 and CD45 to identify mouse leukocytes and to measure granulocyte function with flow cytometry. Maes, M., Davidson, L., McDonagh, P., & Ritter, L. Experimental Biology Conference, San Diego, CA.

2004 Detection of platelet-leukocyte conjugates in normal and diabetic mice using flow cytometry. Ritter, L., & Maes, M. National State of the Science Conference, Washington, DC.

2003 Use of flow cytometry to examine inflammatory markers in blood from db/db mice. Maes, M., Cohen, Z., Wilson, J., Coull, B., McDonagh, P., & Ritter, L. Experimental Biology Conference, San Diego, CA.

Podium Presentations:

2010 General, organic, and biological (GOB) chemistry: What concepts are relevant for the clinical practice of nurses? Brown, C. E., Hyslop, R. E. Henry, M., & Barbara, J. 21st BCCE Conference, University of North Texas, August 1-5, 2010.

Symposia Presentation: Organizer and Presenter

2009 Advanced Biomethods in Nursing Research: Microvascular, Cellular, and Genetic Assays (symposia overview). Henry, M. L. M. 2009 Western Institute of Nursing Communicating Nursing Research Conference, Salt Lake City, UT, April 22-25.

2009 Whole Blood Measures of Platelet Activation, Aggregation, and Coagulation. Henry, M. L. M., & Ritter, L. S. 2009 Western Institute of Nursing Communicating Nursing Research Conference, Salt Lake City, UT, April 22-25.

Non-Juried, Invited Presentations:

2011. Surveys and Scales: Development for use in Nursing Research. Nursing Evidence Based Practice and Nursing Research Committees Educational Series, Poudre Valley Hospital, Fort Collins, CO, February, 19, 2011.

2009 Measurement in Nursing Research... Identifying the Errors. Nursing Evidence Base Practice and Nursing Research Committees Educational Series, Poudre Valley Hospital, Fort Collins, CO, October 12, 2009.

2009 Measuring 'stress' with salivary cortisol. Occupational Health Psychology Brown Bag Series, Colorado State University, Fort Collins, CO, March, 11, 2009.

2008 Conducting Research with Integrity- Protecting Human Subjects. Nursing Research Day, Poudre Valley Hospital, Fort Collins, CO, May 9, 2008.

Non-Juried Poster Presentations:

2010 Teaching with Relevance: Bridging the Cultures of Chemistry and Nursing. Brown, C. E., Henry, M., Strobel, S., Barbara, J., & Hyslop, R. CETL 1st Annual UNC Teaching and Learning Fair. Poster Presentation, April 6, 2010.

2008 Perceived and Physiologic Stress in Traditional and Second-degree Nursing Students. Henry, M., Dougherty, J., Burns, P., Fisher, M., Merrill, A., Wilson, V., Sampson, J., Gardner, P., Cigularov, K., & Chen, P. Western Institute of Nursing, 41st Annual Communicating Nursing Research Conference, Research and Information Exchange, Garden Grove, CA.

2003 Use of flow cytometry to study platelet-leukocyte interactions in mouse whole blood. Maes, M. Center for Injury Mechanisms and Related Response Seminar. Tucson, AZ. Presenter.

Funded Projects: 2007 Research Enhancement Award Program. Project Title: Experiences of Stress and Coping in UNC Nursing Students. \$5,209, Sponsored Projects and Academic Research Center, University of Northern Colorado

2008-2009 Promoting Research Inquiry through Scholarly Mentorship (PRISM) University of Northern Colorado, School of Nursing Internal Research Grant; Project titled: Nursing Faculty Job Satisfaction and Burnout.

2004-2006, National Research Service Award. Project Title: Impact of Diabetic and Insulin Resistant Blood on Stroke. \$75,000, National Institute of Health

Professional Consultation: 2010-2011
Consultant of methods and statistical analysis for nursing journal club. Have consulted on 4 journal clubs for the Nursing Research Committee at Poudre Valley Hospital Systems, Fort Collins, CO. Each journal club is authorized for continuing education credit.

2010
Consultation on research project titled: *The Development of a Risk Assessment Tool to Screen for Potential Aggression and Violence in Patients in the Acute Care Hospital Setting*. Research conducted by Ingrid Tegtman, RN, CNS, Poudre Valley Health Systems, Fort Collins, CO

2009
Elsevier Publishing, St. Louis, MO
Reviewer for current edition of Lewis, et al. *Medical-Surgical Nursing 8th ed.: Integrated Lesson Plans*.

2009
Experimental Gerontology
Invited reviewer of manuscript related to platelet function and insulin resistance, November, 2009.

2008-2009
Western Institute of Nursing Abstract Reviewer

2007
Elsevier Publishing, St. Louis, MO
Reviewer for current edition of Potter, P. A. & Perry. A. G. *Clinical Nursing Skills and Techniques, 7th edition*.

2006
University of Arizona, Tucson, AZ
Consulted on funded grant exploring relationship of diabetes and obesity on myocardial infarction utilizing diabetic/obese mouse model developed during doctoral study.

Professional
Association
Participation:

Membership:

1998-2007	Sigma Theta Tau International Nursing Honor Society
2001-2008	American Academy of Nurse Practitioners
2002-2005	Arizona Nurses Association
2007-2008	Colorado Nurses Association
2002-2009	American Association of Diabetes Educators
2003-2009	American Diabetes Association

Community
Service:

2007-present
Member. Nursing Research Committee. Poudre Valley Hospital.

2007-present
Member. Evidence-Based Nursing Committee. Poudre Valley Hospital. As a committee member, I participate in extensive systematic reviews of current clinical questions and participate in the development of the EBP process and culture at Poudre Valley Health Systems.

Systematic review consultation:

2009 Tracheostomy Cleansing- Best Practice

2010 Urinary Catheter Material Selection

2011 Marijuana Withdrawal Symptom Assessment and Management

2007-present
Volunteer. Greeley Garden Tour. Fundraiser for School of Nursing Scholarships.

2007-2009
Planning committee member and abstract reviewer. Evidence Based Practice Research Conference. Conference located at the University of Northern Colorado University Center in collaboration with North Colorado Medical Center, Greeley, CO, and McKee Medical Center, Loveland, CO.

2007-2008
Member. NCMC Foundation Scholarship Selection Committee.

University Service: **School:**

2008-present

Evaluation Committee- Member. University of Northern Colorado, School of Nursing. Evaluation of undergraduate and graduate program outcomes.

2008-2009;2010

Undergraduate Leadership Team- Member. University of Northern Colorado, School of Nursing. Evaluation of undergraduate student issues

2007-present

Graduate Curriculum Committee- Member. University of Northern Colorado, School of Nursing. Evaluation of graduate curriculum.

2007-2009

Undergraduate Curriculum Committee- Member. University of Northern Colorado, School of Nursing. Evaluation of undergraduate curriculum.

2007-2008;2009

Learning Resource Center Taskforce- Member. University of Northern Colorado, School of Nursing. Evaluation of Learning Resource Center and integration of high-fidelity simulation technology into the undergraduate curriculum.

2007-present

Western Institute of Nursing (WIN)- Conference Coordinator. Coordinate faculty and graduate student presentation at national WIN conference.

Graduate Student
Committees

Doctoral Program:

2010 Tracy Poelvoorde, Comprehensive Exam and Dissertation Committee, Chair

2010 Joanne Pearce, Comprehensive Exam and Dissertation Committee, Committee Member

2010 Nancy Bredencamp, Comprehensive Exam and Dissertation Committee, Committee Member.

2010 Stephanie Butkus, Comprehensive Exam and Dissertation Committee, Chair

2009 Stephanie Witwer, Comprehensive Exam and Dissertation Committee, Chair

2009 Lori Kulju, Comprehensive Exam and Dissertation Committee, Chair

2009 Corina Brown, Department of Chemistry and BioChemistry, Faculty Representative Dissertation Committee Member

2008 Kathy Fitzsimmons. Comprehensive Exam and Dissertation Committee; Dissertation Title: The Existence of Implicit Racial Bias in Nursing Faculty, Committee member. Graduation Dec 2009.

2008 Jacalyn Huse. Comprehensive Exam and Dissertation Committee, Committee Member. Dissertation Title: Comparison of Teaching Strategies on Teaching Drug Dosage Calculation Skills in Fundamental Nursing Students. Graduation May 2010.

2008 Bernice Carmon. Written and Oral Comprehensive Exam, Committee member

2008 Karen Johnson. Written Comprehensive Exam. Committee Member

Masters Programs:

Thesis

2011 Morgana Meader, Committee Member.

Comprehensive Exams

2011 Kari Schwerin, Oral Comprehensive Exam, Chair

2011 Diane Ham, Oral Comprehensive Exam, Title: Medication Non-adherence in the Veteran's Population. Chair

2011 Lillah Grinnel, Oral Comprehensive Exam, Chair

2010 Jennifer VanHorn, Oral Comprehensive Exam, Title: Ovarian Cancer: Health Promotion in Childless Women at Risk. Committee Member

2010 Jennifer Huang, Oral Comprehensive Exam, Title: How to Prevent Fetal Alcohol Spectrum Disorder, Chair

2009 Kate Thompson, Oral Comprehensive Exam, Title: Multiple Sclerosis, Chair

2008 Myka Fisher, Oral Comprehensive Exam, Title: Migraine Headaches, Co-Chair (with Dr. Hessler)

2008 Laurel Lalicker Oral Comprehensive Exam, Title: Healthy on Hemodialysis, Committee Member

2008 Jodi Bobbitt. Oral Comprehensive Exam, Title: Preventing Teen Pregnancy, Committee Member

2008 Donna Call Oral Comprehensive Exam, Title: Community Acquired Pneumonia. Committee Co-Chair (with Dr. Leners)

Teaching:

Spring 2011, Assistant Professor, School of Nursing, University of Northern Colorado

N327 Pharmacology for Nursing Practice (3 cr)

N700 Advanced Nursing Theory (3 cr)

N326 Pathophysiology (3 cr)

Fall 2010, Assistant Professor, School of Nursing, University of Northern Colorado

N374 Episodic Alterations in Adult Health Practicum (1 cr)

N375/376 Episodic Alterations in Adult Health Theory I and II (7 cr)

Second Semester Coordinator (1 cr)

Summer 2010, Assistant Professor, School of Nursing, University of Northern Colorado

N465 Professional Roles with Individuals, Families, and Communities
Acute Care Clinical (4 cr) and Site Visits (3 cr)
N612 Advanced Pharmacology (4 cr)

Spring 2010, Assistant Professor, School of Nursing, University of Northern Colorado

N374 Episodic Alterations in Adult Health Practicum (1 cr)
N700 Advanced Nursing Theory (3 cr)
N326 Pathophysiology (2 cr)

Fall 2009, Assistant Professor, School of Nursing, University of Northern Colorado

N374 Episodic Alterations in Adult Health Practicum (1 cr)
N375/376 Episodic Alterations in Adult Health Theory I and II (7 cr)
Second Semester Coordinator (1 cr)
N326 Pathophysiology (2 cr)

Summer 2009, Assistant Professor, School of Nursing, University of Northern Colorado

N321 Clinical Implications of Laboratory Data Analysis (2 cr)
N324 Therapeutic Interventions Adult Practicum (4 cr)
N465 Professional Roles with Individuals, Families, and Communities
Site Visits (3 cr)
N612 Advanced Pharmacology (4 cr)

Spring 2009, Assistant Professor, School of Nursing, University of Northern Colorado

N700 Advanced Nursing Theory (1 cr)
N375/376 Episodic Alterations in Adult Health Theory I and II (3 cr)
N326 Pathophysiology (1 cr)

Fall 2008, Assistant Professor, School of Nursing, University of Northern Colorado

N374 Episodic Alterations in Adult Health Practicum (1.5 cr)
N375/376 Episodic Alterations in Adult Health Theory I and II (4 cr)
Second Semester Coordinator (0.5 cr)

Summer 2008, Assistant Professor, School of Nursing, University of Northern Colorado

N465 Professional Roles with Individuals, Families, and Communities,
Practicum and Preceptorship Site Visits (6 cr)
N324 Therapeutic Interventions Adult Practicum (4 cr)

Spring 2008, Assistant Professor, School of Nursing, University of Northern Colorado

N384 Episodic Alterations in Adult/Child Health Practicum (5 cr)
N385/386 Episodic Alterations in Child/Adult Health I and II (2 cr)

Fall 2007, Assistant Professor, School of Nursing, University of Northern Colorado

N384 Episodic Alterations in Adult/Child Health Practicum (5 cr)
N385/386 Episodic Alterations in Child/Adult Health I and II (3cr)
N614 Advanced Pathophysiology (1cr)

Summer 2007, Clinical Instructor, School of Nursing, University of Northern Colorado

N465 Prof Roles with Individuals, Families and Communities (3 cr)
N324 Therapeutic Interventions Adult Practicum (4 cr)

Spring 2007, Clinical Instructor, School of Nursing University of Northern Colorado

N384 Episodic Alterations in Adult/Child Health Practicum (Adult Practicum at PVH) (5 cr)
N605 Nursing Research (1 cr)
Simulation Lab (4 cr)

Fall 2002, Teaching Assistant, College of Nursing, University of Arizona
N501 Advanced Physiology and Pathophysiology- Online course

Professional
Developmental
Activities:

2011 Camtasia, Center for Enhanced Teaching and Learning, UNC, April 2011

2010 Review of AACN Master's Education in Nursing Webinar, October 2010

2010 Laerdal SimMan and software training, June 11, 2010

2010 Using the Genetics/Genomics Competency Center (G2C2) presented by Jean Jenkins, PhD, FAAN, Senior Clinical Advisor, National Human Genome Research Institute, NIH, through AACN, webinar, June 7, 2010

2009 Critical Thinking and Test Item Writing Workshop presented by Evolve Learning System, Aurora, CO, May 14, 2009

2009 AACN Master's Education Conference, Change and Challenges: Master's Education in Nursing, Orlando, FA, February 19-21, 2009

2009 Translational Research—Emergence of Drug Resistant Infectious Diseases, Northern Colorado Health Research Coalition, Ft. Collins, CO February 4, 2009

2008 Quality Matters: Building Your Online Course using the QM Rubric,
University of Northern Colorado, December, 2008

Honors and
Awards:

2010 Graduating Class of December 2010 Pinning Ceremony speaker.

2010 Graduating Class of August 2010 Pinning Ceremony speaker.

2010 National College Senior Honor Society, University of Northern
Colorado Golden Key Chapter, Mortar Board Award,

2009 Graduating Class of December 2009 Pinning Ceremony speaker.

2008 Graduating Class of December 2008 Pinning Ceremony speaker.

2002-2004 T32 Pre-Doctoral Fellowship, National Institute of Health,
National Institute of Nursing Research, University of Arizona.