
BIOGRAPHICAL SKETCH

NAME		POSITION TITLE	
Claudio L. Battaglini		Assistant Professor of Exercise & Sport Science	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Catholic University of Brasilia, Brasilia, DF, Brazil	BS	1989-1992	Physical Education
University of Northern Colorado	MA	1997-1999	Kinesiology
University of Northern Colorado	PhD	1999-2004	Kinesiology

A. Positions and Honors

Positions:

- 2006-Date **Co-Director** of the GET REAL & HEEL Breast Cancer Program, The University of North Carolina at Chapel Hill, Department of Exercise and Sport Science, Chapel Hill, N.C.
- 2005-Date **Assistant Professor**, The University of North Carolina at Chapel Hill, Department of Exercise and Sport Science, Chapel Hill, NC.
- 2004-2005 **Visiting Assistant Professor**, The University of North Carolina at Chapel Hill, Department of Exercise and Sport Science, Chapel Hill, NC.
- 2003-2004 **Coordinator of Fitness Programs**, University of Northern Colorado, Department of Campus Recreation, Greeley, CO.
- 1995-2004 Former **Coach** of Olympians (Australia 2000, Greece 2004, China 2008): *Leandro Macedo* (Triathlon), *Mariana Ohata* (Triathlon), and *Andre Ramos* (Marathon).

Honors:

- 2008 **Award of Excellence in Undergraduate Teaching**, University of North Carolina at Chapel Hill, Department of Exercise and Sport Science, Chapel Hill, NC.
- 2008 **Population Sciences Award**, The University of North Carolina at Chapel Hill, Lineberger Comprehensive Cancer Center, Chapel Hill, NC.
- 2008 **Member-at-Large Executive Board Nominee**, The Southeast Chapter of the American College of Sports Medicine, Birmingham, AL.
- 2007 **Junior Faculty Award** from the Office of the Executive Vice Chancellor and Provost, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- 2007 **Man of The Year Nominee**, The Leukemia & Lymphoma Society, Cary, NC.
- 2007 **Robert E. Bryan Award Nominee**, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- 2006 **Award of Excellence in Undergraduate Teaching**, University of North Carolina at Chapel Hill, Department of Exercise and Sport Science, Chapel Hill, NC.
- 2005 **Award of Excellence in Undergraduate Teaching**, University of North Carolina at Chapel Hill, Department of Exercise and Sport Science, Chapel Hill, NC.
- 2004 **Outstanding Dissertation Award Nominee**, University of Northern Colorado, Greeley, CO.
- 2004 **Dean Citation for Excellence**, University of Northern Colorado, Greeley, CO.
- 2003 **Plaque Dedication**, Exam room # 1, Rocky Mountain Cancer Rehabilitation Center, University of Northern Colorado, Greeley, CO.
- 2002 **Graduate School Diversity Fellowship Award**, University of Northern Colorado, Greeley, CO.
- 2002 **Hibino Global Understanding Award**, University of Northern Colorado, Greeley, CO.
- 2001 **Richard and Chris Monfort Graduate Fellowship Award** for 2001-2002, University of Northern Colorado, Greeley, CO.
- 2001 **Outstanding Student Activities Award**, University of Northern Colorado, Greeley, CO.
- 1999 **Graduate Academic Excellence Nominee**, University of Northern Colorado, Greeley, CO.
- 1999 **Bob Ross International Ambassador Award Nominee**, University of Northern Colorado, Greeley, CO.
- 1999 **Teaching Assistant of the Year**, University of Northern Colorado, Greeley, CO.
- 1998-2001 **High Academic Achievement**, University of Northern Colorado, Greeley, CO.

B. Selected Publications and Abstracts

Selected Publications:

- Battaglini, C.,** A.C. Hackney, Garcia, R., Groff, D., Evans, E., and Shea, T. The Effect of an Exercise Program in Leukemia Patients. *Integr. Cancer Ther.* (Accepted for publication), 2008.
- Battaglini, C.,** Groff, D., Shields, D., Pepercorn, J., Naumann, F., Behera, M., and A.C. Hackney. Breast cancer, exercise and recreation therapy: preliminary results of a randomized controlled trial, *Psyc-Oncology.* (In Review), 2009.
- Battaglini, C.,** Naumann, F., and Groff, D. Measuring Body Composition in Breast Cancer Survivors, *The Physician and Sportmedicine* (In Review), 2008.
- S. Ondrak, McMurray, R., **Battaglini, C.,** Evenson, K., Harrell, J. The Relationship between Changes in Weight Status and Insulin Resistance in Youth, *Int. J. Pediatr. Endocr.* (In Review), 2008.
- Tolentino, G., **Battaglini, C.,** Araújo, S., Otano, A., Conde, D., and Oliveira, R. Brazilian Breast Cancer Patients: Cardiorespiratory Fitness and Quality of Life Analyses Post-Treatment. *Psyc-Oncology,* (In Review), 2008.
- Battaglini, C.,** Buchan, J., Groff, D., Naumann, F., Philpott, M. Effects of a Combined Exercise and Recreational Therapy/Counselling Program on Selected Physiological and Psychological Parameters in Post-Treated Breast Cancer Patients. USA and Australian Chapters, *Vario Health Institute Journal.* (In Press), 2008.
- Policarpo, F., Bonifacio, H., Irany, M, Filho, J., and **Battaglini, C.** Using Resting Heart Rate for the Prescription of Aerobic Exercise Intensity. *Journal of Strength and Conditioning Research.* (In Review), 2008.
- Battaglini, C.,** Mihalik J., Bottaro, M, Dennehy, C., Petschauer, M., Hairston, L., and Shields, E. The Effects of Exercise on Total Caloric Intake in Breast Cancer Patients during Treatment, *Braz. J. Med. Biol. Res.,* 41(8): 709-715, 2008.
- A. C. Hackney , **Battaglini, C.,** and Evans, E. Cortisol, Stress and Adaptation During Exercise Training. *Ugdymas Kuno Kulturo Sportas,* 3(70): 34-41, 2008.
- Groff, D., **Battaglini, C.,** O'Keefe, C., Edwards, C. & Pepercorn, J. The Role of Recreation Therapy in Facilitating Spirituality and Well-Being. *Leisure/Loisir.* (In press) 2008.
- Hackney, A.C. and **Battaglini, C.** The role of hormones in the adaptation to exercise: plasticity of the neuroendocrine system. *Acta Academiae Olympicae.* (In Press), 2008.
- Fox ZG, Mihalik JP, Blackburn JT, **Battaglini CL,** and Guskiewicz KM. Return of Postural Control to Baseline After Anaerobic and Aerobic Protocols, *J. Athl. Train.* 43(5):456-63, 2008.
- Hill, E., Zach, E., **Battaglini, C.,** Viru, M., Viru, A., and A.C. Hackney. Influence of Exercise Intensity on Circulating Cortisol Levels, *J. Endocrinol. Invest.* 31: 587-591, 2008.
- Groff, D., **Battaglini, C.,** Pepercorn, J., & Edwards, C. Meeting the Physical and Psychosocial Needs of Women with Breast Cancer: Integrating Recreation Therapy and Exercise. *Therapeutic Recreation Journal.* (Accepted for publication), 2008.
- Mihalik, J, Libby J., **Battaglini, C.,** and McMurray, R. Comparing Complex and Compound Training Programs on Power Output, *Journal of Strength and Conditioning Research,* 22:1 47-53, 2008.
- Sierer, P., **Battaglini, C.,** Tomasini, N., Mihalik, J., and Shields, E. The NFL Combine: Physiological Differences Between Drafted vs. Non-Drafted Players During the 2004 and 2005 Draft, *Journal of Strength and Conditioning Research,* 22:1 6-12, 2008.
- A.C. Hackney and **Battaglini, C.** The Overtraining Syndrome: Neuro-endocrine Imbalances in Athletes. *Brazilian Journal of Biomechanics,* 1: 31-44, 2007.
- Battaglini, C.,** Bottaro, M., Dennehy, C., Logan, R., Shields, E., Kirk, D., and Hackney, A.C. The Effects of an Individualized Prescriptive Exercise Intervention, Emphasized with Resistance Training, on Body Composition in Breast Cancer Patients Undergoing Treatment. *Sao Paulo Med J.,* 125(1): 22-8, 2007.
- McMurray, R., Williams, D., **Battaglini, C.** The Timing of Fluid Intake During an Olympic Distance Triathlon, *Int. J. Sports Nutr. Exerc. Metab.* 16:611-619, 2006.
- Battaglini, C.,** Dennehy, C., Groff, D., Kirk, D., and Anton, P. Complementary Therapies in the Management of Cancer Treatment-Related Symptoms: The Individualized Prescriptive Exercise Intervention Approach, *Medicina Sportiva,* 10 (2):49-57, 2006.
- Battaglini, C.,** Bottaro, M., Dennehy, C., Barfoot, D., Shields, E., Kirk, D., and Hackney, A.C. The Effects of Resistance Training on Muscular Strength and Fatigue Levels in Breast Cancer Patients. *Brazilian Journal of Sports Medicine, Sao Paulo, Brazil,* Vol. 12, N13, - May/June, 2006.
- Battaglini, C.,** Bottaro, M., Campbell, J., Novaes, J., and Simao, R. Physical Activity and Levels of Fatigue in Cancer Patients. *Brazilian Journal of Sports Medicine, Sao Paulo, Brazil,* 2 (10), 2004.
- Battaglini, C.,** Battaglini, B., and Bottaro, M. The Effects of Physical Exercise on Cancer: A Review. *Latin American Journal of Therapeutic Physical Activities,* 8 (57), 2003.
- Battaglini, C.,** Battaglini, B., and Bottaro, M. Los Efectos Del Ejercicio Fisico Sobre el Cancer: Una Revision. *Revista Digital,* Buenos Aires, Ano9, N61, Junio.

Abstracts:

- Evans, E., **Battaglini, C.,** Groff, D., and A.C. Hackney, FACSM. Heart Rate, RPE, and Blood Lactated Response to Aerobic Exercise in Breast Cancer Patients, *Southeast American College of Sport Medicine (SEACSM),* Birmingham, AL, 2009.
- Duke, J., Berh, M., **Battaglini, C.,** Ondrak, K., Hirth, C., and A.C. Hackney, FACSM. Effect of Three Days of Intense Exercise Training on the Free Testosterone to Cortisol Ratio. *Southeast American College of Sport Medicine (SEACSM),* Birmingham, AL, 2009.

- Battaglini, C.,** Groff, D., Shields, E., Naumann, F., Behera, M., A.C. Hackney, FACSM. (In Review) Combining Exercise and Recreation Therapy: Preliminary Results of a Randomized Trial in Breast Cancer Survivors. American College of Sports Medicine Annual Meeting, Seattle, W.A., May 27-30, 2009.
- Battaglini, C.,** Groff, D., Anderson, M., and A.C. Hackney. The Effects of a Six-Week Combined Exercise and Recreation Therapy Intervention on Stress Hormones and Heart Rate Rhythms in Breast Cancer Survivors. *Society of Integrative Oncology Fifth International Conference*, Atlanta, GA, November 20-21, 2008.
- Groff, D., **Battaglini, C.,** Anderson, M., and A.C. Hackney. The Effects of a Six-Weeks Integrated Exercise and Recreation Therapy Heart Rhythms and Quality of Life in Breast Cancer Survivors. *Society of Integrative Oncology Fifth International Conference*, Atlanta, GA, November 20-21, 2008.
- Babbitt, M., Marks, B.L., Shields, E, **Battaglini, C.,** Robertson, K., Hawkins, J., and Katz, L.M. The Relationship between Subtle Executive Dysfunction and Body Composition in Healthy Community-Dwelling Older Adults, *Gerontological Society of America Annual Conference*, Maryland, MD, November 21-15, 2008.
- Groff, D., **Battaglini, C.,** Mercer, V., Evans, E., Anderson, M., Wallace, J., Peppercorn, J., & Hackney, A.C. (2008). Get REAL & HEEL Breast Cancer Program: Preliminary Results *Annual Scientific Retreat: Lineberger Comprehensive Cancer Center*, Chapel Hill, NC, June 9, 2008.
- Battaglini, C.,** Shea, T., Garcia, R., Evans, E., and A.C. Hackney, FACSM. Exercise Impact on Selected Physiological, Psychological, and Inflammatory Markers in Acute Leukemia Patients Undergoing Induction, *American College of Sports Medicine*, Indianapolis, IN, May 28-31, 2008.
- Battaglini, C. & Groff, D.** Cancer and exercise: How can we make it available to survivors? *American College of Sports Medicine, 12th Annual Health & Fitness Summit*, Long Beach, CA, March, 24-27, 2008.
- Harrington, S., Thigpen, C., Michener, L., **Battaglini, C.,** Groff, D., Padua, D. Shoulder impairments and shoulder function in breast cancer survivors. *American Physical Therapy Association (APTA) Combined Section Meeting (CSM)*, Abstract ID 372894, Nashville, TN, Feb, 6-9, 2008.
- Battaglini, C.,** B Brustad, T. Shea, R. Garcia, C. Creedle, J. Strader, D. Groff, and A.C. Hackney. Acute Leukemia Patients: the effect of an individualized exercise prescription on selected psychological parameters, *12th European Congress of Sport Psychology*, abstract ID 1028, Halkidiki, Greece, Sept. 2007.
- Battaglini, C.** Exercise and Cancer: Becoming aware of the implications of working with a cancer client, *American College of Sports Medicine (ACSM), 11th Annual Health & Fitness Summit*, pg 15, Dallas, TX, 2007.
- Battaglini, C.** and Dennehy, C. Randomized Controlled Study on the Effects of Prescriptive Exercise on Lean Mass and Fatigue in Breast Cancer Patients Undergoing Treatment, *American Society of Clinical Oncology (ASCO), 43rd Annual Meeting*, ASCO Proceedings, abstract 32889, Chicago, IL, 2007.
- Groff, D., **Battaglini C.,** and Peppercorn J. An Individualized Prescriptive Combined Exercise and Recreation Therapy Intervention for Breast Cancer Patients Post-Treatment, *American Society of Clinical Oncology (ASCO), 43rd Annual Meeting*, ASCO Proceedings, abstract 32890, Chicago, IL, 2007.
- Garcia R., Creedle C., and **Battaglini, C.** Nursing Role in a Pilot Study on the Administration of Exercise in Acute Leukemia Patients During Chemotherapy, *Oncology Nursing Society (ONS) 32nd Annual Congress*, Las Vegas, NV, 2007.
- Battaglini, C.,** Shea T., Garcia, R., Creedle, C., Starder, J., Gregory, B., and A.C. Hackney. Administration of Exercise in Acute Leukemia Patients During Chemotherapy: A Preliminary study, *International Congress Polish Society of Sports Medicine*, 10(1-2):s54 (Medicina Sportiva), Poland, Krakow, 2006.
- Battaglini, C.,** Bottaro, M., Dennehy, C., Barfoot, Shields, E., Kirk, D., and A.C. Hackney. Os Efeitos do Treinamento Resistido na Composicao Corporal de Pacientes Portadores de Cancer de Mama, *XI Congress of Sports Science and Physical Education*, V.20, Suppl. N.5, pg, 291, Brazil, Sao Paulo, 2006.
- Battaglini, C.,** Dennehy, C., Hyslop, R., Schaffer, J., Kemme, D., and Heise, G. Os Efeitos de Atividades Fisicas Individualmente Prescrita nas Modificacoes de Massa Muscular e Fadiga em Pacientes Portadores de Cancer De Mama, Recebendo Tratamento (Referred). *Revista Portuguesa de Ciencias do Desporto*, (4), N^o 2, (supplemento), Portugal, Porto, 2004.
- Battaglini, C.,** Bottaro, M., Campbell, J., Novaes, J., and Simao, R. Atividades Fisicas e Niveis de Fadiga em Pacientes Portadores de Cancer. *Revista Portuguesa de Ciencias do Desporto*, (4), N^o 2, (supplemento), Portugal, Porto, 2004.

C: Grantsmanship:

- Mayer D., Lee, C., Knafl, G., Sandelowski, **Battaglini, C.,** Myers, J., and Pusic, A. Co-Investigator (In Review) Funding Agency: The National Institute of Health Initiated R01. It is not what I expected: Women's Experience of Breast Reconstruction.
- Battaglini, C.,** Groff, D., Peppercorn, J. Co-Principle Investigator. \$74,606.00 (In Review). Funding agency: Komen NC Triangle Affiliate, Susan G. Komen foundation. The Get REAL & HEEL Breast Cancer Program.
- Battaglini, C.,** Groff, D., and Martin, E. Principle Investigator. \$2,400.00 Funded (October 30, 2008). Funding agency: Peak Pilates, Boulder CO. The efficacy of Pilates MVe® Chair versus weight training as the resistance portion of a comprehensive rehabilitation program for breast cancer survivors.
- Naumann, F., **Battaglini, C.,** and Groff, D. Co-Principle Investigator. Funded (June 10, 2008). \$24,947.00. Funding Agency: The Cancer Council WA Early Career Investigator (ECI) Research Grants Program, Australia. Effects of a Combined Exercise and Counseling Program on Selected Physiological and Psychological Parameters in Post-Treated Breast Cancer Patients.

- Groff, D., **Battaglini, C.**, Peppercorn, J. Co-Principle Investigator. Funded (Feb. 10, 2008 – Feb. 10, 2009). \$63,800.00 Funding agency: Komen NC Triangle Affiliate, Susan G. Komen foundation. The Get REAL & HEEL Breast Cancer Program.
- Battaglini, C.** Groff, D., Hackney, A.C., Peppercorn, J. and Shields, E. Principle Investigator. Funded (Jan.24, 2008 – Jan. 24, 2009). \$75,000.00. Funding Agency: University Cancer Research Fund Clinical Innovation Awards. The University of North Carolina at Chapel Hill, Lineberger Comprehensive Cancer Center. “The Get REAL & HEEL Breast Cancer Research Program”.
- Battaglini, C.**, Groff, D. Hackney, A.C., Guskiewicz, K., Evans, E., and Peppercorn J. Principle Investigator. Not Funded (January, 08, 2008) \$75,000.00. Funding Agency: The Department of Defense Breast Cancer Research Program (BCRP), BCRP Concept Award. “The Get REAL and HEEL Breast Cancer Research Program”.
- Battaglini, C.**, and Groff, D. Principle Investigator. Funded (Nov. 26, 2007 –Nov. 26 2008). \$7,500.00. Funding Agency: UNC Junior Faculty Development Award. “EQUAL (Exercise and Quality of Life in Leukemia/ Lymphoma Patients) Phase II.
- Groff, D., **Battaglini, C.** Co-Investigator. Funded (Sept. 12, 2007). \$ 6,791.99. Funding Agency: IBM Corporation (Corporate Community Relations and Public Affairs). “Using Technology in the Treatment of Women with Breast Cancer”.
- Battaglini, C.** & Groff, D. Funded (September 5, 2007). \$15,000. Funding Agency: Private Foundation Grant Gift from the Petro Kulynych Foundation in honor of those patients who participate in the Get REAL & HEEL Breast Cancer Program.
- Battaglini, C.**, Groff, D., Peppercorn, J., Hackney, A.C., and Carey, L. Principle Investigator. Funded (August 20, 2007 – August 20, 2008). \$ 25,000.00. Funding Agency: University of North Carolina at Chapel Hill, Lineberger Comprehensive Cancer Center Clinical/ Translational Research Award. “Effects of a Combined Exercise and Recreational Therapy Intervention on Selected Physiological and Psychological Parameters in Post-Treated Breast Cancer Patients”.
- Groff, D. and **Battaglini, C.** Co-Investigator. Not Funded (August 30, 2007). \$298,647.00. Funding Agency: The National Susan G. Komen Breast Cancer Foundation. “Get REAL & HEEL (Get Recreation, Get Exercise, Get Active, Get Living): An exercise and recreation therapy research program for women with breast cancer”.
- Battaglini, C.**, Shea, T., Groff, D., Hackney, A.C., Garcia, R., Shields, E., and Piccirilli, T. Principle Investigator: Not Funded (August 24, 2007). \$225,000.00. Funding agency: G&P Foundation for Cancer Research. “EQUAL Project (Exercise and Quality of Life in Leukemia Patients) Phase II, A Controlled Clinical Trial on the Effects of Exercise on Acute Leukemia Patients Undergoing Induction”.
- Hackney, A. C., **Battaglini, C.**, Groff, D., Earp, S., Shea, T., Garcia, R., Marshall, V. Co-Investigator. Funded (June 18, 2007 – June 18, 2008). \$ 7,000.00. Funding Agency: UNC Institute on Aging, Research Stimulus Grant in Aging. “Cancer Cachexia: Cytokines and Physical Exercise”.
- Battaglini, C.** and Groff, D. Principle Investigator: Get REAL & HEEL Program Support Funded (May 11, 2007 – August 31, 2007). \$ 12,000.00. Funding Agency: University of North Carolina at Chapel Hill, Lineberger Comprehensive Cancer Center. “Effects of a Combined Exercise and Recreational Therapy Intervention on Selected Physiological and Psychological Parameters in Post-Treated Breast Cancer Patients”.
- Groff, D., **Battaglini, C.**, Hackney, A. Co-Investigator. Funded (May 25, 2007 – May 25, 2008). \$1,500.00. Funding Agency: North Carolina Therapeutic Recreation Association. “The Effect of HeartMath © Training on Cortisol and DHEA Levels of Women with Breast Cancer”.
- Battaglini, C.** and Hackney, A.C. Principle Investigator. Funded (April, 30, 2007). \$3,000.00. Funding Agency: University of North Carolina at Chapel Hill, Lineberger Comprehensive Cancer Center. “The Analyses of a Panel of 25 Different Cytokines of Acute Leukemia Patients that Completed The EQUAL project phase I”.
- Battaglini, C.**, Groff, D., Hackney, A. Principle Investigator. Funded (March 31, 2007 – March 31, 2008). \$1,950.00. Funding Agency: University of North Carolina Research Council: Regulations and Application for Research Grant. The Effect of HeartMath © Training on Cortisol and DHEA Levels of Women with Breast Cancer.
- Battaglini, C.** and Groff, D. Project Director. Funded (January, 20, 2006 – July 31, 2007). \$42,316.00. Funding agency: The N.C. Triangle Affiliate Office of the Susan G. Komen Breast Cancer Foundation. “Get-REAL & HEEL– An Exercise and Recreation Therapy Program for Post-Diagnosed Women With Breast Cancer”.
- Groff, D. and **Battaglini, C.** Project Director. Funded (February 14, 2006). \$927.00. Funding Agency: The N.C. Triangle Affiliate Office of the Susan G. Komen Breast Cancer Foundation. Travel Grant to present at the International Congress on Physical Activity and Public Health (ICPAPH). Presentation entitled “Exploring New Complementary Alternative Medicine Interventions for Breast Cancer Survivors: Exercise and Recreation Therapy”.
- Battaglini, C.**, Shea T., Garcia, R., Creedle, C., and Starder, J. Principle Investigator. Funded (May, 06, 2005 – May 07). \$8,984.53. Funding Agency: UNC, Lineberger Comprehensive Cancer Center. “In-Hospital Individualized Exercise Intervention for Acute Leukemia Patients Undergoing Treatment”.
- Battaglini, C.**, Shea, T. Rivera, P., Socinski, Kirk, D., Groff, D., Hackney. A.C., and Shields, E. Principle Investigator. Not Funded (September 31, 2005). \$225,000.00. Funding agency: G&P Foundation for Cancer Research. “EQUAL Project (Exercise and Quality of Life in Leukemia Patients)”.
- Yankaskas, B., **Battaglini, C.**, Donahue, K. and Moore, C. Co-Investigator. Not Funded (June, 1, 2005). \$550,000.00. Funding Agency: Department of Health and Human Services Public Health Services. “Physical Activity and Health in a Rural, Diverse, Minority Population”.