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EDUCATION

Ph.D., Biochemistry & Molecular Biology University of California Riverside (UCR), Riverside, CA	Dec 2013
M.S., Biotechnology Hong Kong University of Science & Technology (HKUST), China	Feb 2008
B.S., Biochemistry Hong Kong University of Science & Technology (HKUST), China	June 2006
RESEARCH EXPERIENCE	
 Post-Doctoral Research Fellow with Dr. Peter Lee, City of Hope Investigate the immune signaling network in cancer patients 	Mar 2014- present
 Graduate Student with Dr. Manuela Martins-Green, UCR Feb 2009-Dec 2013 Investigate the effects of pomegranate derived nature products on cancer progression and metastasis; prostate cancer and breast cancer Integrative approach using DNA microarray, microRNA PCR array, Luminx multiplex immunoassay and signaling pathway analysis Examined the effects of pomegranate and its components on cancer-related inflammation, especially the cytokines/chemokines production Identified three natural compounds with promising anti-metastatic effects Using mouse tumor models, demonstrated that the identified compounds significantly inhibit metastasis and angiogenesis <i>in vivo</i> <u>Dissertation</u>: "Pomegranate Juice and Pomegranate Derived Natural Products as Alternative Treatment for Cancer Progression and Metastasis" 	
 M.S. Student with Dr. Chun Liang, HKUST Sep 2006-Feb 2008 Anti-cancer drug screening from Traditional Chinese Medicine Identified chemicals disrupting the assembly of DNA replication initiation machinery Tested the cytotoxicity of identified chemicals on human liver cancer cells <u>Thesis</u>: "A Novel Yeast-two-Hybrid Based Screening Platform to Identify Anti-Cancer Drugs" 	
 Undergraduate Final Year Project with Dr. Zhenguo Wu, HKUST Investigate the function of novel severe acute respiratory syndrome (SARS) w <u>Final Year Project</u>: "The Cytotoxic Effect of a Novel Protein: Severe Acute R (SARS) Corona-Virus Protein ORF8" 	

PUBLICATIONS

- Wang L, Li WF, Garcia M, Mulholland D, Lilly M and Martins-Green M. Luteolin, ellagic acid and punicic acid are natural products that inhibit prostate cancer metastasis. *Carcinogenesis*. In press.
- Wang L and Martins-Green M. Pomegranate and its components as alternative treatment for prostate cancer. Submitted to *Nutrition Review*.
- Liu Y, **Wang L**, Chen XL, Li WF and Martins-Green M. Insulin antagonizes thrombin-induced microvessel leakage. Manuscript in preparation.
- Wang L, Martins-Green M. The potential of pomegranate and its components for prevention and treatment of breast cancer. *Agro Food Ind Hi Tech*. 2013; 24(5):58-61.
- Martins-Green M, Petreaca M, and **Wang L**. Chemokines and their receptors are key players in the orchestra that regulates wound healing. *Advances in Wound Care*. 2013; 2(7):327-347.
- Rocha A, **Wang L**, Penichet M, and Martins-Green M. Pomegranate juice and specific components inhibit cell and molecular processes critical for metastasis of breast cancer. *Breast Cancer Res Treat*. 2012; 136(3):647-58.
- Wang L, Ho J, Glackin C, and Martins-Green M. Specific pomegranate juice components as potential inhibitors of prostate cancer metastasis. *Transl Oncol.* 2012; 5(5):344-55.
- Wang L, Alcon A, Yuan H, Ho J, Li QJ, and Martins-Green M. Cellular and molecular mechanisms of pomegranate juice-induced anti-metastatic effect on prostate cancer cells. *Integr Biol*. 2011;3(7):742-54.

SCIENTIFIC CONFERENCE POSTERS

- Wang L, Li WF, Garcia M, Lilly M and Martins-Green M. Luteolin, ellagic acid and punicic acid are natural products that inhibits prostate cancer metastasis *in vivo*. The American Society for Cell Biology (ASCB) 53rd Annual Meeting, 2013. Abstract 1151.
- Wang L, Li WF, Mulholland D, Martins-Green M. Pomegranate juice components as novel treatment for prostate cancer metastasis. American Association for Cancer Research (AACR) 104th Annual Meeting, 2013. Abstract 2244.
- Wang L, and Martins-Green M. Specific pomegranate juice components are potential inhibitors of prostate cancer metastasis. American Association for Cancer Research (AACR) 103rd Annual Meeting, 2012. Abstract 1999.
- Wang L, Ho J. Martins-Green M. Specific pomegranate juice components as potential inhibitors of prostate cancer metastasis. The American Society for Cell Biology (ASCB) 50th Annual Meeting, 2010. Abstract 934661. Chosen for the Press Book.
- Wang L, Alcon A, Yuan H, Martins-Green M. Cellular and molecular mechanisms involved in the antimetastatic effect of pomegranate juice in prostate cancer cells. The American Society for Cell Biology (ASCB) 49th Annual Meeting, 2009. Abstract 707809.

HONORS

- Mary & Randolph T. Wedding Graduate Research Prize, BMB graduate program, UCR, 2013
- Mary & Randolph T. Wedding Travel Award, BMB graduate program, UCR, 2013
- Mary & Randolph T. Wedding Travel Award, BMB graduate program, UCR, 2012
- Mary & Randolph T. Wedding Graduate Research Prize, BMB graduate program, UCR, 2011
- Abstract chosen for American Society for Cell Biology (ASCB) 50th Annual Meeting Press Book, 2010
- Best Poster Award, BMB graduate program Annual Symposium, UCR, 2010
- University Fellowship, UCR, 2008-2009
- Scholarship for Academic Excellence, HKUST, 2006-2007

SELECTED SKILLS & TECHNIQUES

Cell Biology Techniques:

- Primary cell culture
- Luminex multiplex immunoassay
- Chemotaxis and invasion assay

Molecular Biology Techniques:

- RNA and DNA isolation
- miRNA PCR array
- Affymetrix microarray and data analysis

- DNA transfection and RNAi
- Light and fluorescence microscopy
- Immunofluorescence
- Real-time quantitative PCR
- Molecular cloning
- Western blot

Animal Skills

- Immuno-deficient mouse housing and handling
- Mouse tumor inoculation and bioluminescence imaging
- Mouse organ collection, fixation and sectioning
- Immunohistochemistry