

Moana L. Hopoate-Sitake

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PROFESSIONAL PREPARATION

Weber State University	Chemistry	BS, 2005
Brigham Young University	Biochemistry	PhD, 2011
Brigham Young University	Biochemistry	Post Doc, 2012

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

Lecturer (Chemistry), *Utah Valley University*, 2020 -present
Lecturer (Chemistry), *Utah Valley University*, 2013-2018
Adjunct Professor (Chemistry), *Brigham Young University*, 2017-2018
Lab Curriculum Coordinator (Biochemistry), *Utah Valley University*, 2014-2018
Adjunct Professor (Chemistry), *Utah Valley University*, 2012-2013
Post Doctoral Research (Biochemistry), *Brigham Young University*, 2011-2012
Research Assistant (Biochemistry), *Brigham Young University*, 2006-2011
Teaching Assistant (Chemistry & Biochemistry), *BYU*, 2005-2007
Teaching Assistant (Chemistry), *Weber State University*, 2003-2005

SELECTED PUBLICATIONS

- Lam, Garrett, **Hopoate-Sitake, Moana**, Adair, Charles, Buckalew, Vardaman, Johnson, Donna, Lewis, David, Robinson, Christopher, Saade, George, Graves, Steven. (2013). Digoxin Immune Fab Treatment of Preeclampsia in Women with Endogenous Digitalis-like Factor: A Secondary Analysis of the DEEP Trial. *Am J Obstet Gyn.* 209.
- Graves, S, **Hopoate-Sitake, M**, Johnston, A, Buckalew, V, Lam, G, Mason, L, Adair, C. (2012). PP087. Deep trial secondary analysis: Digoxin immune fab fragment treatment has additional benefits in endogenous digitalis-like factor positive preeclamptic women. Pregnancy Hypertension: *Intern J Women Cardio Health.* 2. 287-288. 10.1016/j.preghy.2012.04.198.
- **Hopoate-Sitake, M.** (2010). Digibind reverses inhibition of cellular Rb⁺ uptake caused by endogenous sodium pump inhibitors present in serum and placenta of women with preeclampsia. *Repr Sci*, 18 (2), 190-199.
- **Hopoate-Sitake, M.** (2010). A novel use of Digoxin Immune Fab Fragment in Identification and Isolation of Endogenous Digitalis-like Factor Found in Preeclampsia. Brigham Young University.
- **Hopoate-Sitake, M**, Adair, C, Buckalew, V, Graves, S, Lam, G, Johnson, D, Saade, G, Lewis, D, Robinson, C, Danoff, T, Chauhan, N, Porter, K, Humphrey, R, Tarofatter, K, Amon, E, Ward, S, Kennedy, L, Mason, L,

Johnston, J. (2010). Digoxin Immune Fab Treatment for Severe Preeclampsia. *Am J Perintol*, 27(8), 655-662.

- **Hopoate-Sitake, M**, Graves, S, Adair, C, Lam, G, Johnson, D, Saade, G, Lewis, D, Porter, K, Humphrey, R, Chauhan, N. (2008). In-vivo Reversal of Functional Sodium Pump Inhibition with Digibind Treatment. *Hypert Preg*. 27. 460-460.
- **Hopoate-Sitake, M (2008)**. In-vivo reversal of functional sodium pump inhibition with Digibind® treatment. Invitational talk given in plenary session. 16th World Congress for the International Society for the study of Hypertension in Pregnancy.

SYNERGISTIC ACTIVITIES

2018-2020 Travel to Solomon Islands for the Church of Jesus Christ of Latter-day Saints. Opportunities for service included medical assessments, drug efficacy, horticultural advisement and projects, scholastic placements and tutoring, teaching and teacher training and curriculum correlation, team management, event organization and office management.

2017-2018 Directly worked with the ACS as Central Utah Section Chair Elect. Advised for the Utah Valley University Chemistry Club, moving towards ACS recognition and service.

2017-2018 Collaboration with Steven W. Graves, PhD and David Adair, MD, on isolation and reduction of an endogenous digitalis-like factor (EDLF) found raised in women with preeclampsia. Student mentored research at Utah Valley University. Bio Assays previously designed were restructured for use on a lower instrumentation level at Utah Valley University.

2017 Collaboration with Dr. Eric Domyan developing HPLC protocol for investigation of melanin markers found in mice. Advised on projects conducted by students of Merrill Halling on investigation of endophytes produced by different living flora.

2015-2018 Co-development of curriculum of Biochemistry lab instruction at UVU where the students participate in a project based curriculum throughout the semester, learning and applying different biochemical techniques and assays throughout the semester, instead of disjointed assays. The culmination of the semester ends with a research based journal article. The students participate in open discussions with the group and class members to facilitate development of protocols instead of doing a step-by-step protocol or (cookbook) lab.

2015-2018 Active participation and advocate of the POCIL Project, which focuses on lecturing less and giving students the chance for formulate concepts with use of models and guided questions that step by step solidify learning through active participation. POGIL was used in the classrooms of over 150 students as well as those of 20 students. Self-designed activities were used in Biochemistry classes, GOB courses. Plans are to facilitate POGIL workshops and write POGIL material for university educational use.