

# **UMSAEP Post Visit Summary Report**

**Visit Dates 10-20 April 2013**

**Submitted by Professor Gail D. Hughes**

**UWC Faculty of Science**

## **Background:**

The intent of the UMSAEP grant was to stimulate grant opportunity to continue research in natural product/herbal science; further advance student exchange; and expand course development. However the overarching purpose was to broaden the PURE (Prospective Urban Rural Epidemiologic) South African Traditional Herbal Medicine (THM) research project with collaborators, explore and determine potential for research funding and scientific output. There has been an existing relationship between UM-Columbia and UM-Kansas City and UWC SAHSMI.

In preparation for the visit, Skype and teleconferences were held in addition to email correspondence; and an itinerary generated (see attached). Both University of Missouri campuses—Columbia and Kansas City were engaged.

## **Objectives:**

- Stimulate and strengthen research collaboration specifically thru grant activity, particularly for PURE-THM project; and future joint research projects between faculty with natural products/herbal science interests;
- Continued promotion of student exchange via biomedical summer programme; and provide international learning experience for UWC students;
- Continue and expand bi-directional teaching opportunities

## **Visit Summary and Accomplishments**

### **A. Student Exchange**

- For the second year, UM-Columbia and UWC Faculty of Science has engaged in student exchange. Professors

Hughes and Jerry Parker met to discuss the success of the first year of UWC students (x2) participating in the UM School of Medicine Biomedical Summer Research Programme(June/July 2012) and forthcoming students (x2) in June/July 2013.

- In addition, discussions occurred for third year UM-Columbia medical student(s) to come to UWC for field placement. This has been coordinated with UWC's Interdisciplinary Studies (CHS), SAHSMI and UM-Columbia School of Medicine.

#### **B. Research Synergy**

- Collaborative research discussion were with Dr. LaShaun Johnson regarding NCD and cancer for disenfranchised communities; and Dr. L. Vincent, research assistant professor, in the Division of Plant Sciences with Vet Med group (Professor Carolyn Henry and faculty) to discuss potential research synergy in phytomedicine—and existing overlap between existing research partners.

#### **C. Grantsmanship**

- Meeting was held with Professor Bill Folk to review recent submission(January 2013) of NIH RO1 for HIV/AIDS social science multidisciplinary grant involving UM-Columbia with Professor Folk as lead and UWC investigators—Professors Gibson, Hughes, Zarowsky, Puoane, et al.
- Mark Childs, grant writer for UM School of Health Professions is assisting with identification of potential grant opportunities-US national and international for fiscal year 2014. Mr. Childs generated line listing of grants based on pre-determined keywords and interest. Goal was to target 1-2 grants for submission and identify collaborators on both campuses. Two philanthropy grants and 1 NIH RO1 were identified.

#### **D. Course Development (UM-Columbia and KS)**

- Professor Arif Ahmed has been running Global Health course for UM-KS students whereby students come to UWC for in field/practical experience. Discussions were related to the future course offering and recruitment for year 3 (May 2014) of the Global Health course being offered by UM-KS for multidisciplinary professional students. I have served as collaborator/instructor for two years and SAHSMI has hosted students for lectures and tours (nature reserve, Kirstenbosch Gardens and herbal science lab and lectures).
- Meeting with Professor Kris Haggland and Lisa Saffron from School of Health Professions to discuss collaborative teaching effort for Introduction to Epidemiology blackboard course at UM-Columbia public health students and potential to serve as international site mentor/faculty for UM-Columbia public health programme. In addition work collaboratively on the MU international experience for graduate public health students.

#### **E. Scientific Output**

- NIH RO1 submitted with Professor Bill Folk and other UWC faculty (January 2013); project unfunded but created springboard for future grant opportunities and collaborations for HIV/AIDS and beyond.
- Professor Rafia Rasu and I submitted abstract for American Public Health Association meeting-Boston, November 2013 and it was accepted—*Role and Importance of Economic Evaluation of Traditional Herbal Medicine Use for Chronic Non-Communicable Diseases*. In addition, we are simultaneously developing a manuscript for submission to journal in 2014. Professor Rasu assisted with development of economic evaluation component to PURE-THM questionnaire, which will go into the field 4<sup>th</sup> quarter 2013.

## **F. Other**

- **PURE-THM study**—Progress was made by developing questionnaire to include economic evaluation, and migration components in relationship to use of traditional herbal medicine. Both pretesting and piloting are in the planning stages. As already indicated collaboration with UM-KS (Prof Rasu) has produced accepted abstract for international congress (APHA) and development of manuscript.
- Delivered plant material capsules (ProBetix) to Professor Bill Folk for research on phytomedicine and diabetes.
- Meeting with Rod Uphoff to discuss global view of continue collaborations specific to UMSAEP with continued support and engagement.
- Meeting with Dean of School of Allied Health Professions, Professor Rich Oliver—strengthening research collaborations, access to resources—library, grant writer and appropriate faculty to interface for grant, teaching and student exchange. In addition, continued support of Professor Hughes’ adjunct faculty appointment.
- Dr. Ricky Orford, director of International Relations and Development to discuss opportunities for future collaborations.
- Site visit and tour of UM Columbia new Cancer treatment and research center; and tour of Clinical Trial Center located within Cancer treatment Center, this was arranged by Professor Carolyn Henry.
- Meetings with Professors Rathbone-McCuna and Pat Kelly. SAHSMI hosted Professor Rathbone-McCuna in February 2012 for her research involving perceptions of youth violence among traditional practitioners. There was discussion about potential manuscript. Professor Kelly desired to develop future research framework and further discussions will occur in the upcoming follow up meeting in October 2013.

## Summary

Overall, this was a very successful visit with tangible results and outcomes.

A follow-up visit has been scheduled for end of October 2013 (28 October 01 November 2013) and an invitation has been extended to give presentation entitled, *“Advancing the potential for traditional herbal medicine for primary health care in South Africa”* at University of Missouri-Kansas City School of Pharmacy to both faculty and postgraduate students. There afterwards, will attend APHA meeting in Boston, 2-6 November to give presentation based on research conducted by Professor Rasu and I including our students(UWC SAHSMI post doc—Dr. Seyi Aboyade and UM-KS doctoral student-- John Hill)

## Professor Gail Hughes UM Schedule

**10-20 April 2013**

<b>Wednesday – 10 April 2013</b>			
Depart Cape Town			
<b>Thursday – 11 April 2013</b>			
Arrive St Louis, Missouri			
<b>Sunday- 14 April 2013</b>	<b>Who</b>	<b>Location</b>	<b>Notes</b>
19:00 – 20:00	<b>Prof Rod Uphoff</b> , Elwood Thomas Missouri Endowed Professor of Law Director of the University of Missouri South Africa Educational Program	Venue to be determined by Prof Uphoff	He will be picking Prof Hughes up from the Hotel.
<b>Monday – 15 April 2013</b>			
12:00-13:00	<b>Ms Lisa Saffron</b> , Associate Director, MU Master of Public Health and <b>Prof Kris Hagglund</b> , Director, Master of Public Health Program	Sycamore, 800 East Broadway for Lunch	Meeting point will be Ms Lisa Saffron's Office, 805 Lewis
	<b>Dr. Lashaun Johnson</b> , School of Health Professions	5 <sup>th</sup> Floor, Room 622	
14:00 – 14:45	<b>Prof Bill Folk</b> , Professor of Biochemistry, University of Missouri.	202 Schlundt Annex.	
15:15 – 16:00	<b>Dr. Jerry Parker</b> , Dean in School of Medicine, U of Missouri	Medical Sciences Annex, MA204D	
	<b>Dr. Deborah Noble-Triplett</b> , Assistant Vice President for Academic Affairs, University of Missouri	Teleconference	

<b>Tuesday – 16 April 2013</b>			
10:00 – 11:00	<b>Mark Child</b> , Grant Writer, School of Health Professions, University of Missouri	100 Lewis Hall	
12:30 – 14:00	<b>Prof Carolyn Henry</b> , Professor of Oncology Department of Veterinary Medicine and Surgery, College of Veterinary Medicine and Division of Hematology/Oncology, School of Medicine <b>AND Dr P. Leszek D. Vincent</b> , Research Assistant Professor, Division of Plant Sciences	College of Veterinary Medicine, School of Medicine Veterinary Medicine and Surgery, Internal Medicine	Lunch, tour, meeting with Vet med faculty and Dr. Leszek
<b>Wednesday – 17 April 2013</b>			
10:00 – 10:30	<b>Dr. Ricki Orford</b> , Director of International Relations and Development	218 Townsend Hall	
11:15 – 13:15	<b>Prof Rich Oliver</b> , Dean, MU School of Health Professions; Associate Professor of Pathology and Anatomical Science	510 Lewis Hall	lunch meeting.
16:00 – 17:00	<b>Prof Kris Hagglund</b> , Director, Master of Public Health Program.		
18:00 – 19:30	<b>Prof Rod Uphoff</b> , Elwood Thomas Missouri Endowed Professor of Law Director of the University of Missouri South Africa Educational Program		On campus reception
<b>Thursday – UM-Kansas City Campus 18 April 2013</b>			
11:00 – 12:00	<b>Prof Rafia Rasu</b> , Assistant Professor of Pharmacy Practice and Administration  School of Pharmacy Division of Pharmacy Practice	Health Science Building room #2302. Kansas City, MO: 64108. USA	

	<p>and Administration <b>And</b></p> <p><b>Prof Pat Kelly</b>, Professor/ Associate Dean, Research Faculty, U of Missouri</p>		
12:30 – 14:00	<p><b>Prof Arif Ahmed</b>, Associate Professor of Health Administration, U of Missouri Kansas City</p>	Lunch Meeting	
14:30 – 15:30	<p><b>Prof Rathbone-McCuna</b>, Professor, School of Social Work at the University of Missouri - Kansas City.</p>	Coffee, student union on campus.	
<p><b>Friday – 19 April</b></p>			
10:00 – 12:00	<p><b>Prof Carolyn Henry</b>, Professor of Oncology Department of Veterinary Medicine and Surgery, College of Veterinary Medicine and Division of Hematology/Oncology, School of Medicine <b>AND</b> Director of Tom and Betty Scott Endowed Program in Veterinary Oncology</p>		<p>Tour of Oncology, Research Unit and Clinical Trial Research Group</p>
<p><b>Saturday – 20 April 2013</b></p>			
<p>Depart St Louis, Missouri</p>			