



# Histotechnology Advisory Committee

Minutes

Tuesday, December 2, 2014

City of Hope, Platt Conference Room 2

6:30 PM to 8:30 PM

**Members Attending:**

X	MacDonald, Jennifer (Mt. SAC College, Chair)
X	Abel, Kay (Orange Coast Memorial Medical Center)
X	Anderson, Cindy (Mt. SAC, Professor Microbiology)
	Cooper, Brian (Children's Hospital, LA)
X	Figueroa, Lydia (Sakura Finetek, USA, Inc.)
	Gadberry, Susi (UCI Medical Center)
	Hoover, Karelyn (Mt. San Antonio College, Associate Dean, NS)

	Jara de Araya, Ana (Mt. SAC, Laboratory Technician)
	Judd, Matthew (Mt. San Antonio College, Dean NS)
X	Lee, Donna (Mt. SAC, Laboratory Technician)
	Lopez, Ricardo (Advanced Skincare Histology)
X	Neder-Eckman, Patricia (City of Hope National Medical Center)
X	Pascoe, Virginia (Mt. SAC, Professor A&P)
X	Presch, Melissa (Mt. SAC, Professor A&P)

X	Rexach, Carmen (Mt. SAC, Professor A&P, Micro)
	Sapourifar-Tehrani, Saeedeh (UCLA Medical Center)
X	Velarde-Jang, Naomi (Mt. SAC, Laboratory Technician)
X	Young, Lillian (USC Keck)
	Zaragoza, Renee (VA Medical Center, Long Beach)
X	Muirhead, David (City of Hope National Medical Center)
x	Anabel Porter (Sakura Finetek, USA, Inc.) - <b>Guest</b>

Topic	Updates/Discussion	Outcome
1. Welcome and Introductions	Everyone introduced themselves and described their role in the HT program.	A guest from Sakura Finetek, Anabel Porter, was welcomed to the group this evening.
2. Purpose of Advisory Committee	<p>The purpose of the advisory committee is to help ensure that Career and Technical Education (CTE) programs reflect the needs and current conditions of the workplace. The committee also provides information to help assess if graduates are capable of performing the occupations for which they have been trained.</p> <p>Industry partners help us keep the HT Program up to date about industry changes. Also required for accreditation by NAACLS</p>	Industry advisors and college faculty of the HT Program were reminded of the role we all play in the maintaining the effectiveness of the HT Program.
3. Presentation by Sakura on the Sakura USA invests in the future in Histotechnology	<p>Presentation by Lydia Figueroa: <u>HT Student Work Experience and the Future of Histotechnology</u> (change in topic)</p> <p>Lydia described how she heard about the HT Program at Mt. SAC and the process that she went through to develop a work experience program for the HT students with specific objectives for successful completion.</p> <ul style="list-style-type: none"> <li>Sakura Finetek takes 1 student for work experience at a time.</li> <li>Program is ~120 hrs, approximately 2.5 months</li> <li>The goal of this work experience is to enhance the knowledge of instrumentation</li> <li>Sakura maintains a fully operating lab, but diagnostics is not done, just research and quality control, duplicating problems that customers may have had.</li> <li>Students have a project where they gross tissue that is submitted for processing on various processors. They embed and use the microtome, also cover slip. Students can use any of the instruments in Sakura's lab.</li> <li>Students get 13 hrs using the VIP 6.</li> <li>Students also spend a couple of hours listening to customer complaints, and see how these complaints are handled.</li> <li>Students are involved in Sakura's quality program, quality systems regulations. They observe waste disposal and documentation.</li> <li>Students spend 70 hrs in histotechnology lab experiencing hands on training with</li> </ul>	HT Program advisors and college faculty were advised about the work experience at Sakura Finetek.

		<p>state of the art HT equipment, use of the microscope and vision tech.</p> <ul style="list-style-type: none"> <li>• Students are trained in cryotomy.</li> <li>• Students are expected to look at their own slides and critique.</li> </ul> <p>Sakura's work experience program is a win – win situation, students win the experience on new instruments, and instruments in the developmental stage.</p> <p>There is a lot of documentation. This is because the instruments developed by Sakura considered medical devices. The documentation is different than other HT labs.</p> <p>Students learning how to troubleshoot, prevents problems and complaints later.</p> <p>Personal win, have gained 26 friendships, car pooling has allowed them to share thoughts about Histotechnology.</p> <p>The work experience program at Sakura has been very successful. Sakura has been a partner of the Mt. SAC HT Program since 2002. 26 students have come through the Sakura work experience program for a total of 3100 hours. Sakura provides an annual scholarship to HT students. However, scholarships totaling \$4000 have been lost from other sources.</p> <p>Old instrumentation that are potential donations to Mt. SAC were described.</p> <p>Sakura supports NSH, who also provides scholarships.</p> <p>Sakura publishes Histologic, a technical bulletin for histotechnology, provides webinars and supports several other HT programs throughout the nation.</p> <p>The future of HT and automation is now! Automation has arrived. Lydia described many automated processes that have improved the efficiency of Histotechnology. Still, not every lab will have automation. Lydia stated that HT's should embrace automation and learn more through webinars, etc.</p> <p>Lydia would like to invite the HT Program advisors and deans and those involved in VTEA funding to Sakura Finetek for a tour.</p>	
4.	Class Enrollment Fall 2014	<p><b>HT 1</b> -26 students completed HT 1.</p> <p><b>HT2</b>-21 students, HT 10-19 students on on track to complete these courses.</p> <p>Numbers are down (from full classes) showing moderate attrition. This highlights the need for firm prerequisites for HT 2 and HT 10 (described below).</p>	Information only
5.	HT (ASCP) Exam Results	<p><b>HTL exam:</b> <u>2014 Jan-Jun</u>- 1 student attempted and passed</p> <p><u>Jul-Sept</u>-1 student attempted and passed</p> <p>100% over 14 years (since2000)</p> <p><b>HT exam:</b> <u>2014 Jan-Jun</u>: 3 students attempted and passed 100%</p> <p><u>Jul-Sept</u>: 11 students attempted and passed 100%</p> <p>Our pass rates continue to greatly exceed national averages</p>	Information only
6.	NAACLS update	<p>NAACLS BOD update, require that students that enter an HT program have an AA degree or they must be conferred an AA upon completion.</p> <p>There was overwhelming support for this. This proposal went before NAACLS BOD and was approved.</p> <p>This change will help raise the standard of the HT profession. This does not change ASCP requirements: Graduation from a NAACLS accredited HT program or year of bio/chem and an AA degree</p> <p>This will not affect HT's with certification as long as they keep it up to date.</p>	

7.	Perkins Funded proposals	<p>Jennifer described uses for Perkins funds (VTEA). Awards through VTEA has become very competitive at Mt. SAC because there are so many technical programs. Jennifer seeks recommendations from the advisors for funding:</p> <ul style="list-style-type: none"> <li>Professional development CSH, NSH, and CLEC conference funds are always requested.</li> <li>Student tutor funds. Every spring the immunohistochemistry (advanced) class (HT 16) is offered with the beginning class (HT 12). 2 advanced students are paid to tutor beginning students. There are also 6-7 volunteer advanced students. This has worked very well to maintain adequate supervision and guidance for the beginning HT students. The student volunteers and paid students provide Jennifer with help and a peer for beginning students to consult with, a much more comfortable situation.</li> </ul> <p>Student tutors also help with accreditation bringing the student to teacher (tutor) ratio down. NAACLS representatives will also interview the students who will provide NAACLS with feedback about how the tutoring helps them succeed. This is true for both the beginning students and the tutors.</p> <p>One source of student tutors that was discussed was the Offering of HT 99 as an elective for 1 unit= \$46. These students can produce teaching quality slides and tutor.</p> <p>Benefits to students that enroll in HT 99 include an addition to their resume.</p> <p>Suggestions for equipment funds to request: A Tissue processor. One may be donated from San Antonio Hospital. Would like support for a 2<sup>nd</sup> in case the donation does not go through.</p> <p>Another suggestion was to ask for a battery backup.</p> <p>The college is very weak in maintenance contracts. These are difficult to get especially because of funding.</p> <p>Jennifer and Donna fix the current equipment.</p>	<p>Advisors in attendance approved requesting funds for the professional development activities.</p> <p>Need strong measureable objectives and selection process.</p> <p>Advisors are in support of looking at the HT 99 course further as an option to providing tutors for beginning HT students and as a means for advanced students to fine tune their skills.</p> <p>Need a back up tissue processor and battery backup. Advisors approve, will explore donations, but if that falls through, will seek Perkins Funding</p> <p>UCLA has teaching slides from the medical school that could be donated to anatomy and histology.</p>
8.	Additional clinical sites	Additional clinical sites are always needed!	
9.	Prerequisites for HT 10 and HT 2	<p>Jennifer looked at student performance in HT 2 and HT 10 back to 2010, at students that failed the class or got "C"s. Her findings were that many students that enrolled in either of these courses were not ready, taking seats from students that were. Based on these findings, she seeks to</p> <ol style="list-style-type: none"> <li>Add a firm prerequisite of Anatomy 35 to HT 10. The measureable objectives of Anat 35 and HT 10 were compared. The exit skills acquired from Anat 35 are critical for success of the HT 10 student. The importance of histology background from Anat 35 was emphasized. HT 10 is offered once per year.</li> <li>Add firm prerequisite of Chemistry to HT 2: The laboratory basics class; medical terminology, laboratory math, safety, and ethics are covered. Students that have not taken chemistry don't know many basic terms and can't communicate what they need help with when seeking tutoring. The prerequisite for chemistry is eligibility for MATH 71. The math skills required for HT 2 would be developed in the prerequisite math classes. The chemistry component would have been covered in</li> </ol>	Advisory committee unanimously approved adding all 3 prerequisites to HT 2 and HT 10.

		chemistry. 3. Would also like to add eligibility for ENGL 1A as a prerequisite to HT 2. Good English skills are required to write college level lab reports. The program has become very competitive. We want the best students to enroll in the HT courses. By putting these prerequisites students will be more successful.	
10.	Other		
11.	Announcements	CSH Symposium – May 1-3, 2015, in Santa Cruz, CA at the Santa Cruz Hilton NSH Annual Symposium – Washington, D.C. - Aug 28 to Sept.2	
12.	Spring Advisory Meeting	May 19, 2015 Tuesday 6pm.	
13.	Adjourned	8:29pm vp	
<b>Issue Bin/Future Agenda:</b>			