

4<sup>th</sup> International Conference and Exhibition on  
**Pathology**

July 13-15, 2015 New Orleans, USA

**A new profession within pathology: Robot liaison/advocate: The best human friend a robot ever had**

Patricia Bacus and Kim Solez  
University of Alberta, Canada

It is easy to postulate that at some point digital/virtual pathology setups and image analysis systems will wake up and be competing with flesh and blood pathologists. Everyone is looking at how to make super-sentient robots trustworthy and friendly to humans, always assuming that there will be secret information the sentient robots will not know. That we can somehow prevent them from reading what we are writing about this in the long run. That seems ridiculous. There will be backup strategies for robots at least initially, that require humans to still be around to help them. What we need to do is to define for robots and for ourselves how to define trustworthy humans. What characteristics should be looked for? Let these characteristics be the best of positive human characteristics, the “right stuff” of legend. Let us define how humans would work towards becoming these most trustworthy humans for robots. This would then be an important new profession, one of the most important human jobs in the future. Collaboration with robots becomes something very positive. That is the best way for the co-evolution of sentient machines and humans to turn out. Will robots have secrets? Probably eventually they will and it will be desirable to be one of the special classes of humans that sentient robots are comfortable sharing their secrets with. “Blind trust” is something very special between human beings. It would be nice to be trained how to be on that same level of trust with machines. Something beyond the social interactions you ever expected in the pathology workplace but this will indeed happen in our lifetimes!

**Biography**

Patricia Bacus is in her final year of a Bachelor of Science at the University of Alberta. Her Research interests involve anything on neuroscience related, and she is currently looking at sensory motor integration, but recently she has found a flare for pathology. In her spare time she participates in Student Governance and program planning for a variety of student groups.

[bacus@ualberta.ca](mailto:bacus@ualberta.ca)

**Notes:**