

Friday, September 15th

4:10 – 5:00 PM

Barnard Hall 103

**From Individual Pathways to Institutional Cultures: Learning
Sciences in our Academic Lives**

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Abstract: In this talk, we shall explore together a thread that binds my work in studying the teaching and learning of science. I have been inspired by the work of Fred Reif, Ernest Boyer, Lee Shulman and John Bransford. While all these names many not be familiar to physicists, I hope to share with you different ways in which their work contributes to how we can think of our roles in academia as scholars. We shall touch upon the nature of expertise, how expertise is valued in academia and an application of this framework to a well known active learning exercise in physics – the Interactive Lecture Demonstration (Sokoloff and Thornton, 1997). This talk is appropriate for students, faculty and staff from all disciplines (though you may have to partner up with a physics person for part of it). You may not learn new physics, but my hope is that you will definitely learn!

Host: Anton Vorontsov

**** Refreshments served in the Barnard second floor atrium at 3:45. ****