

## Speaker Profile



### Contact Details

**Organization Name:**

The University of Pennsylvania

**Address:**

3231 Walnut St  
Philadelphia PA 19104  
USA

Phone: 215 898 6231

Email: [bonnell@lrsm.upenn.edu](mailto:bonnell@lrsm.upenn.edu)

[www.seas.upenn.edu/~bonnell](http://www.seas.upenn.edu/~bonnell)

[www.nanotech.upenn.edu](http://www.nanotech.upenn.edu)

[www.nanoprobenetwork.org](http://www.nanoprobenetwork.org)

Dawn Bonnell is a Trustee Professor of Materials Science at the University of Pennsylvania and the Director of the Nano/Bio Interface Center. She received her PhD from the University of Michigan and was a Fulbright scholar to the Max-Planck-Institute in Stuttgart, Germany, after which she worked at IBM Thomas Watson Research Center. She has authored or coauthored over 250 papers, edited several books. Her work has been recognized by the Presidential Young Investigators Award, the Ross Coffin Purdy Award, the Staudinger/Durrer Medal from ETH Zurich, the Heilmeier Faculty Research Award and several distinguished lectureships. Professor Bonnell serves on many editorial boards, national and international advisory committees, is a past president of AVS, served on the governing board of the American Institute of Physics, and is a past vice president of the American Ceramic Society. She is a fellow of ACS, AVS, AAAS. She is the founding Director of the Nano/Bio Interface Center.

The research in the Bonnell group focuses on atomic processes at surfaces. The group is known for the first imaging of atoms on oxide surfaces, a result that generated a new field involving groups around the world and impacting catalysis, nanofabrication and materials growth technology sectors. More recently her group developed a new paradigm for fabricating nanostructured devices, Ferroelectric Nanolithography, and discovered a new mechanism for harvesting light energy. An additional outcome of this research program has been the invention of new probes that reveal the behavior of small structures