



## Conditions Treated:

## Research Areas:

- *Tuberculosis (TB)*
- *Infectious Diseases*
- *Cellular and Molecular Biology*
- *Computational Biology*
- *Genomics*
- *Mycobacterial and Respiratory Infections*
- *Structural Biology*
- *Translational Research*

## Programs & Services:

- *NTM Center of Excellence*

## Research Interests

Dr. Strong's research focuses on synergistic genomic, computational and molecular strategies to disease and disease pathogenesis. I am particularly interested in developing and applying computational methods to better generate, integrate and analyze genomic and proteomic information, with a focus on respiratory disease and disease pathogens, including Mycobacterium tuberculosis. Some of Dr. Strong's current collaborative projects include complete genome sequencing, gene expression analysis, protein and gene network analysis, and structural informatics. It is Dr. Strong's hope that these strategies will help elucidate the underlying mechanisms of disease and suggest new ways to combat, prevent and limit disease and drug resistance.

## Education

2005 University of California, Los Angeles, PhD

## Fellowship

2006 - 2010 Harvard Medical School, Postdoctoral Fellow

## Teaching or Professional Positions

University of Colorado Denver, [Bioinformatics I, CPBS 7711](#)  
University of Colorado Denver, [Bioinformatics II, CPBS 7712](#)

## Affiliations with the University of Colorado Denver

Faculty, [Computational Bioscience Program](#), University of Colorado Denver

## Professional Memberships

University of Colorado, Center for Global Health, Affiliate  
International Society for Computational Biology, Member

### **Awards & Recognition**

Jane Coffin Childs Memorial Fund For Medical Research, Postdoctoral Fellowship, Harvard Medical School

National Institutes of Health, National Research Service Award (Cell and Molecular Biology Training Grant, UCLA)

Paul D. Boyer Outstanding Teaching Award

### **Doctor's Contact Information**

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### **Locations**

National Jewish Health Main Campus  
1400 Jackson St.

Denver, CO 80206