

# Andrés Lorente-Rodríguez

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## Summary

*Leverage my scientific problem-solving skills to find business solutions to promote healthcare innovation*

- 16+ years of bench research experience, including 3 years in biotech industry
- Passionate about education and improving patient healthcare
- Easy to get along with: trustworthy, respectful and objective; can speak with ‘custodians to CEOs’
- Established and maintained strong networking relationships
- Effective delivery of presentations to science literate and lay audiences
- Devoted to team advancement through mentoring and productive collaborations
- Demonstrated team selection and management skills
- Motivated to learn and apply new skills
- Well organized and motivated to work with a sense of urgency

## Education

- Ph.D. Biochemistry. **Dartmouth Medical School**, Hanover, NH 9/2002 – 6/2010  
Determined the role of proteins and lipids in regulation of ER to Golgi vesicular transport  
Mentor: Charles K Barlowe, Ph.D. ([charles.k.barlowe@dartmouth.edu](mailto:charles.k.barlowe@dartmouth.edu))
- B.S. Major: Microbiology. **Universidad de Los Andes**, Bogotá, Colombia 9/1994 – 3/2000

## Professional and Research Experience

- Intern Office for Technology Development. **UT Southwestern Medical Center**, Dallas, TX 1/2016 – present  
Designed a strategy to move intellectual property into the market place.  
Supervisors: Ray Wheatley, and Anna Benefiel ([name.lastname@utsouthwestern.edu](mailto:name.lastname@utsouthwestern.edu))
- Leader and Cofounder **Life Science Advising Group** 10/2015 – present  
Assembled and led a group of UT Southwestern students and postdocs to provide consulting services to north TX universities and startup community. The group gained support from UT Southwestern, UT Dallas, and the UT system, and is making strides towards showing value.
- PostDoc Pharmacology. **UT Southwestern Medical Center**, Dallas, TX 5/2012 – present  
Determined that Wnk1 osmotic-stress kinases regulate the actin cytoskeleton. Characterized a novel Wnk1 inhibitor with promise. Collaborated valuably to 4 different projects  
Mentor: Melanie H Cobb, Ph.D. ([melanie.cobb@utsouthwestern.edu](mailto:melanie.cobb@utsouthwestern.edu))
- PostDoc Physiology. **UT Southwestern Medical Center**, Dallas, TX 10/2010 – 5/2012  
Determined that phosphoinositide 4-kinase II beta as a regulator of the actin cytoskeleton  
Mentor: Helen L Yin, Ph.D. ([helen.yin@utsouthwestern.edu](mailto:helen.yin@utsouthwestern.edu))
- Research Associate. **Corporación CorpoGen** (<http://goo.gl/c7Bf0v>), Bogotá, Colombia 7/1999 – 8/2002  
Previously: Intern. Evaluated a 1<sup>st</sup> generation and developed a 2<sup>nd</sup> generation molecular tool to diagnose *Mycobacterium bovis*. Provided bioinformatics analyses as a service to clients

## Research Support and Honors

- Cancer Intervention and Prevention Discoveries Program – CPRIT Training Grant 9/2014 – present  
Participated in lung cancer clinical trials meetings and shadowed Dr. Puneeth Iyengar in the clinic
- Carl Storm Underrepresented Minority Fellowship – Gordon Research Conferences Summer 2014  
GRS and GRC “*Regulation of Kinases and G Proteins in Normal, Pathological, and Synthetic Systems*”
- Cancer Biology Training Grants 9/2012 – 8/2014  
NIH 2T32 CA124334-06 and NIH 5T32 CA124334-07
- NIH Research Supplement to Promote Diversity in Health-Related Research 10/2010 – 3/2012  
Parent Grant 5-R01-GM066110-07

## Leadership and Volunteering Experience (selected out of 10)

- Leader and cofounder Life Science Advising Group (UTSW and UTD joint venture) 2015 – present
- Member UT Southwestern Graduate School Career Leadership Committee 2015 – present
- Educational activities with the Science Policy Education and Community Club at UTSW 2015 – present
- UT Southwestern Volunteer - United to Serve: Diabetes education and free testing 2011
- CorpoGen: Member of Executive Committee and Secretary of General Assembly Meeting 2001 & 2002

## Out of 14 publications: 5 indexed, 3 in pipeline, 2 blogs (<http://goo.gl/40kXDY>)

- Sengupta S, **Lorente-Rodríguez A**, Earnest S, Stippec S, Guo X, Trudgian DC, Mirzaei H, Cobb MH. *Regulation of OSR1 and the sodium, potassium, two chloride cotransporter by convergent signals*. Proc Natl Acad Sci U S A. 2013 Nov 4; PMID: 24191005  
Highlighted by Carolyn Ecelbarger in F1000Prime Recommendations
- Wauson EM, **Lorente-Rodríguez A**, Cobb MH. *Minireview: Nutrient sensing by G protein-coupled receptors*. Mol Endocrinol. 2013 Aug;27(8):1188-97; PubMed PMID: 23820899 \* Designed journal cover
- **Lorente-Rodríguez A**, Barlowe C. *Entry and exit mechanisms at the cis-face of the Golgi complex*. Cold Spring Harb Perspect Biol. 2011 Jul 1;3(7) PubMed PMID: 21482742
- **Lorente-Rodríguez A**, Barlowe C. *Requirement for Golgi-localized PI(4)P in fusion of COPII vesicles with Golgi compartments*. Mol Biol Cell. 2011 Jan 15;22(2):216-29; PMID: 21119004  
Selected by the editorial board for Highlights from MBoC. ASCB Newsletter. 2011;34(1):45
- **Lorente-Rodríguez A**, Heidtman M and Barlowe C. *Multicopy suppressor analysis of thermosensitive YIP1 alleles implicates GOT1 in transport from the ER*. J Cell Sci. 2009; 122:1540-50 PMID:19383723

## Poster Presentations and Teaching Experience (selected out of 16)

- **Lorente-Rodríguez A**, Dbouk H, Chen W. and Cobb MH. (2015). *Regulation of the actin cytoskeleton by WNK1-OSR1/SPAK osmotic stress kinases*. UT Southwestern Cancer Biology Retreat
- Wauson EM, **Lorente-Rodríguez A**, and Cobb MH. (2014). *Analysis of the role of the amino acid receptor TIR1-TIR3 and amino acid deprivation on insulin synthesis and secretion*. GRC and GRS “Phosphorylation & G-Protein Mediated Signaling Networks”  
Also presented at the 2014 UT Southwestern Postdoctoral Symposium
- **Lorente-Rodríguez A**, Heidtman M, Barlowe C. (2007). *Role of Got1p in ER-Golgi Trafficking in Yeast*. Mol. Biol. Cell 18 (suppl), Abstract No. 2108
- Fundamentals of Basic Bioinformatics Analysis of Genomic and Proteomic Sequences 2002  
Lectures by **Andrés Lorente-Rodríguez**, Juan M. Anzola and Mathematics Department Faculty **CorpoGen** and **Universidad de Los Andes**, Bogotá, Colombia (we taught professors and students alike)
- **Continuing Education Course for Doctors at the Hospital Fundación Santafé de Bogotá**  
#2: Lecture on performing successful medical searches on the internet and on PubMed 2001  
#1: Lecture on Polymorphisms and DNA Profiling 2000  
joint lectures with Juan M. Anzola; **CorpoGen**, Bogotá, Colombia
- Teaching and Laboratory Assistant for “A Molecular View of Microbial Diversity” 2000  
Professor: Roberto G. Kolter, Ph.D., Harvard Medical School  
**American Society for Microbiology & Universidad de Los Andes**, Bogotá, Colombia

## Personal activities

- Cooking and grilling new recipes to learn more about pairings and use of ingredients and spices
- Vegetable gardening (trying new techniques and produce), landscaping and renovating my home
- Dancing; taught and organized shows for the Dartmouth Salsa Club (2003 – 2005); how I met my wife