

## **Lina Cui, Ph.D.**

*Principal Investigator  
Department of Medicinal Chemistry  
College of Pharmacy  
UF Health Science Center  
UF Health Cancer Center  
University of Florida, Gainesville, FL 32610  
Email: linacui@cop.ufl.edu*

### **A. APPOINTMENTS**

2018.08 – present, Assistant Professor, University of Florida, Gainesville, FL  
Department of Medical Chemistry, College of Pharmacy, UF Health Science Center, UF Health Cancer Center  
Research focus: cancer research, molecular imaging, organic/medicinal chemistry, drug discovery

2015.01 – 2018.07, Assistant Professor, University of New Mexico, Albuquerque, NM  
Department of Chemistry and Chemical Biology, UNM Comprehensive Cancer Center  
Research focus: cancer research, molecular imaging, organic/medicinal chemistry, drug discovery

2011.08 – 2014.08, Postdoctoral Fellow, School of Medicine, Stanford University, Stanford, CA  
Departments of Chemistry and Radiology, Molecular Imaging Program, Bio-X Program  
PI: Prof. Jianghong Rao  
Research focus: biomedical Imaging, bioresponsive chemistries, cancer imaging and therapy

2009.01 – 2010.12, Postdoctoral Fellow, University of California, Berkeley, CA  
College of Chemistry  
PI: Prof. Jean M.J. Fréchet  
Research focus: biomedical materials, bioresponsive delivery systems for vaccines/genes/drugs, cancer therapy

### **B. EDUCATION**

2003.09 – 2008.12, Ph.D. in Organic Chemistry and Glycobiology, University of Alberta, Alberta Glycomic Center, Edmonton, AB, Canada  
Thesis advisor: Prof. David R. Bundle  
Research focus: organic synthesis (small molecules, carbohydrates, bioconjugation), glycoengineering, glycobiology, immunology, cancer immunotherapy

1999.09 – 2003.06, B.Sc. in Chemistry (Honor), Nankai University, Tianjin, China  
Thesis advisor: Prof. Licheng Song  
Research focus: organic synthesis

### **C. TEACHING EXPERIENCE**

2018.08-2018.12, University of Florida

- PHA5439 Principles of Medicinal Chemistry and Pharmacology I (team taught)

2018.08-2018.12, University of Florida

- PHA5878C Patient Care III: Introduction to Cardiovascular and Pulmonary Disease (team taught)

2016.08-2018.05 (Every other fall), University of New Mexico

- Chemical Biology, developed graduate course for graduate students

2015.01-2018.05 (Each Spring), University of New Mexico

- Biochemistry 421, class for senior undergraduate students

2011.08-2014.08, Rao lab, Stanford University

- Mentored one graduate and one undergrad student
- Lectured in Molecular Imaging Program at Stanford (MIPS) seminar series

2009.01-2010.12, Frechet lab, UC-Berkeley

- Mentored four graduate students and two undergrad students

2003.09-2008.12, Graduate Teaching Assistant, University of Alberta

- Taught laboratory/lecture courses in organic and general chemistry to over 300 undergraduate students
- Compiled and prepared books of organic chemistry problem sets for undergraduate students
- Attained exceptional ratings (>4.5/5) in teaching on a continuous basis

2001.06-07, English Teacher, Tian Private Tutor Center, China

- Taught English to a class of 60 students at both the junior high and high school level

#### **D. HONORS AND AWARDS**

2017-2022, NIH R35 Maximizing Investigators' Research Award (MIRA);

2017-2020, DoD Congressionally Directed Medical Research Programs (CDMRP) Career Award;

2017, Alexander von Humboldt Foundation Early Career Researcher Recruitment Award;

2017, UNM Comprehensive Cancer Center Pilot Grant Award;

2016, UNM Comprehensive Cancer Center Pilot Match Fund Award;

2015, UNM Comprehensive Cancer Center Pilot Grant Award;

2015, Start-up Award, University of New Mexico;

2008, J. Gordin Kaplan Graduate Student Award, University of Alberta, Canada;

2008, GSA Professional Development Grants, University of Alberta, Canada.

2003-2008, Graduate Studentship, University of Alberta, Canada;

2003, First-Class National Scholarship, National Ministry of Education, China;

2002, First-Class National Scholarship, National Ministry of Education, China;

2002, Yang Shi-Xian Scholarship (highest honor, top 1%), College of Chemistry, Nankai University, China;

2001, First-Class National Scholarship (highest honor, top 1%), National Ministry of Education, China;

2000, First-Class Scholarship (highest distinction, top 1%), Chinese Academy of Sciences, China;

1999, Fundamental National Scholarship, China.

#### **E. PROFESSIONAL ASSOCIATION AND SERVICE**

##### Professional services:

2014-present, Editorial board, *Frontiers in Bioscience*.

2009-present, Journal reviewer, *JACS*, *Angew*, *Chem Comm*, *Biomaterials*, *Carbohydrate Research*, *Bioorg Med Chem*, *Tetrahedron*, and *Tetrahedron Letters*, *Chemistry of Materials*, *Journal of Materials Chemistry B*, *Macromolecules*, *Small*, *Nano Today*, *Nanomedicine*, *Carbohydrate Polymers*.

2012, Organizer, Molecular Imaging Program at Stanford (MIPS) Retreat, Stanford University;

2005-2008, Organizer, treasurer and graphic designer, Banff Symposium on Organic Chemistry (BSOC).

##### Professional memberships:

2015-present, active member, American Association for Cancer Research (AACR);

2015-present, member, Society for Neuro-Oncology;

2010-present, member, Academy of Molecular Imaging;

2008-present, member, American Chemical Society;

2008-2009, member, Society for Glycobiology;

2005-2006, member, Canadian Society for Chemistry;

2003-2008, member, Alberta Ingenuity Centre for Carbohydrate Science, Canada.

## F. SELECTED RELEVANT PUBLICATIONS

(\*Corresponding author; #Equal contribution)

1. J. Liu<sup>#</sup>, Y. Wang<sup>#</sup>, K.A. Schleyer, A. Kafle, P. Henderson, B. Fetrow, P. Fatland and L. Cui<sup>\*</sup>, *Live cell imaging of heparanase activity using fluorogenic probes*, in manuscript.
2. K.A. Schleyer, B.D. Datko, X. Ma, J.K. Grey, and L. Cui<sup>\*</sup>, *Responsive self-aggregation decreases fluorescence lifetime allowing detection of bioactivity in cells*, ChembioChem, revision. (Invited contribution)
3. Y. Wang<sup>#</sup>, J. Liu<sup>#</sup>, X. Ma<sup>#</sup>, C. Cui, P. R. Deenik, P. Henderson, and L. Cui<sup>\*</sup>, *Real-time imaging of senescence in tumors with DNA damage*, Sci Rep 2018.
4. P. Zhang, Y. Wang, R. Ghosh, N.L. Matteson, V. Perea, K. Sheehan, D.T. Cramb, C.-C. Ling<sup>\*</sup> and L. Cui<sup>\*</sup>, *Easily accessible sub-30-nm capsules for drug formulation*, Submitted.
5. A. Kafle, J. Liu, and L. Cui<sup>\*</sup>, *Controlling the stereoselectivity of glycosylation via solvent effects*, Canadian Journal of Chemistry, 2016, 94(11): 894-901. (Invited contribution)
6. Z. Chen, K.A. Schleyer, J. Rao<sup>\*</sup> and L. Cui<sup>\*</sup>, *Visualizing chemical communication among migratory cells in vivo*, in manuscript.  
*Key features: bioconjugation, probe design, molecular imaging, small animal models*
7. L. Cui<sup>\*</sup>, S. Vivona, S.R. Kothapalli, B.R. Smith, A.J. Shuhendler, P.H. Kierstead, J. Rosenberg, A.T. Brunger, S.S. Gambhir, J.M.J. Fréchet and J. Rao<sup>\*</sup>, *On-demand polymerization extends retention of imaging probes in tumor*. In manuscript.  
*Key features: Small molecule synthesis, on-demand polymerization in vivo, tumor imaging (FL, PET, PA)*
8. A.J. Shuhendler<sup>#</sup>, L. Cui<sup>#</sup>, and J. Rao<sup>\*</sup>, *In vivo imaging of enzymatic activity of PARP-1 to Monitor Efficacy of Cancer Chemotherapies*. Submitted to Nature Communication.  
*Key features: Small molecule library synthesis, on-demand polymerization in vivo, tumor imaging (FL, PET)*
9. D. Ye, A. J. Shuhendler, P. Pandit, K. D. Brewer, S. Tee, L. Cui, G. Tikhomirov, B. Rutt<sup>\*</sup> and J. Rao<sup>\*</sup>, *Caspase-Activated Gadolinium-based Contrast Agent for Magnetic Resonance Imaging of Drug-Induced Tumor Apoptosis in Mice*. 2014. Chemical Science.  
*Key features: chemical synthesis, in situ self-assembly, tumor MRI imaging*
10. K. Pu, A. J. Shuhendler, M. P. Valta, L. Cui, M. Saar, D. M. Peehl, and J. Rao<sup>\*</sup>, *Phosphorylcholine-Coated Semiconducting Polymer Nanoparticles as Rapid and Efficient Labeling Agents for in vivo Cell Tracking*. Advanced Healthcare Materials. 2014. Early View. DOI: 10.1002/adhm.201300534.  
*Key features: molecular imaging, cell tracking*
11. D. Ye, A.J. Shuhendler, L. Cui, L. Tong, S.S. Tee, G. Tikhomirov, D. Felsher and J. Rao<sup>\*</sup>, *In vivo Imaging of Caspase Activity via Enzyme-Triggered Self-Assembly to Monitor Efficacy of Cancer Chemotherapies*. 2014. Nature Chemistry.  
*Key features: chemical synthesis, in situ self-assembly, tumor fluorescence imaging*
12. A.J. Shuhendler, K. Pu, L. Cui, J.P. Uetrecht and J. Rao<sup>\*</sup>, *Real-time imaging of oxidative and nitrosative stress in the liver of live animals for drug-toxicity testing*. Nature Biotechnology. 2014, 32: p. 373-380.  
*Highlighted in News and Views of Nature Biotechnology (same issue).*
13. L. Cui<sup>\*</sup> and J. Rao, *Chemical Methodology for Labelling and Bioconjugation*. Chemistry of Molecular Imaging (Wiley), 2014. ISBN: 978-1-118-09327-6. (Invited)
14. L. Cui and J. Rao<sup>\*</sup>, *2-Cyanobenzothiazole (CBT) Condensation for Site-Specific Labeling of Proteins at the Terminal Cysteine Residues*. Site-specific protein labeling: Methods and Protocols (Springer), 2014. In press. (Invited)

15. L. Cui\*, C.-C. Ling, J. Sadowska and D.R. Bundle, *Synthesis of modified Trichinella spiralis disaccharide epitopes and a comparison of their recognition by chemical mapping and saturation transfer difference NMR*. Carbohydrate Research. 2014, 383(1): p. 1-13.

*Highlighted in the journal's Most Downloaded Article (of all time).*

16. P. Zhang, A. Wang, L. Cui, and C.-C. Ling\*, *First Per-6-O-tritylation of Cyclodextrins*. Organic Letters, 2012. 14(6): p. 1612-1615.
17. L. Cui, J.L. Cohen, C.K. Chu, P.R. Wich, P.H. Kierstead, and J.M.J. Fréchet\*, *Conjugation Chemistry through Acetals toward a Dextran-Based Delivery System for Controlled Release of siRNA*. Journal of the American Chemical Society, 2012, 134 (38): p. 15840-15848.
18. L. Cui, P.I. Kitov, G.C. Completo, J.C. Paulson, and D.R. Bundle\*, *Supramolecular Complexing of Membrane Siglec CD22 Mediated by a Polyvalent Heterobifunctional Trisaccharide Ligand that Templates on IgM*. Bioconjugate Chemistry, 2011. 22(4): p. 546-550.
19. J.L. Cohen, S. Schubert, P.R. Wich, L. Cui, J.A. Cohen, J.L. Mynar, and J.M.J. Fréchet\*, *Acid-Degradable Cationic Dextran Particles for the Delivery of siRNA Therapeutics*. Bioconjugate Chemistry, 2011. 22(6): p. 1056-1065.

*Highlighted in NIH NCI Alliance News, 2011.*

20. L. Cui, J.A. Cohen, K.E. Broaders, T.T. Beaudette, and J.M.J. Fréchet\*, *Mannosylated Dextran Nanoparticles: A pH-Sensitive System Engineered for Immunomodulation through Mannose Targeting*. Bioconjugate Chemistry, 2011. 22(5): p. 949-957.

*Highlighted in the journal's Most Accessed Articles in 2011.*

21. X. Wu, L. Cui, T. Lipinski, and D.R. Bundle\*, *Synthesis of Monomeric and Dimeric Repeating Units of the Zwitterionic Type 1 Capsular Polysaccharide from Streptococcus pneumoniae*. Chemistry-a European Journal, 2010. 16(11): p. 3476-3488.

*Highlighted in HighBeam Research News and Memorial Sloan-Kettering Cancer Center News.*

22. R.M. Humphries, M.S. Donnenberg, J. Strecker, E. Kitova, J.S. Klassen, L. Cui, T.P. Griener, G.L. Mulvey, and G.D. Armstrong\*, *From alpha to beta: identification of amino acids required for the N-acetyllactosamine-specific lectin-like activity of bundlin*. Molecular Microbiology, 2009. 72(4): p. 859-868.

## **G. CONFERENCE PROCEEDINGS**

1. Real-time imaging of senescence in tumors with DNA damage, X. Ma<sup>#</sup>, Y. Wang<sup>#</sup>, J. Liu<sup>#</sup>, C. Cui, P. Deenik, P. Henderson, and L. Cui\*, AACR-SNMMI Joint Conference: State-of-the-Art Molecular Imaging in Cancer Biology and Therapy (Feb, 2018, San Diego, CA)
2. Real-time imaging of senescence in tumors with DNA damage, Y. Wang<sup>#</sup>, J. Liu<sup>#</sup>, P. Deenik, P. Henderson, and L. Cui\*, Gordon Research Conference (June, 2017, West Dover, VT)
3. Real-time imaging of senescence in tumor cells with DNA damage, Y. Wang<sup>#</sup>, J. Liu<sup>#</sup>, P. Deenik, P. Henderson, and L. Cui\*, International Association of Breast Cancer Research Conference, Focus: Early detection of lethal breast cancers, (August, 2016, Portland, OR).
4. Easily accessible sub-30-nm capsules for drug formulation, L. Cui\*, Y. Wang, S. C. Zhang, P. Zhang, R. Ghosh, C.-C. Ling\*, AACR-JCA Joint Conference on Breakthroughs in Cancer Research: From Biology to Therapeutics (Feb. 2016, Maui, HI).
5. A novel PET tracer enabling in vivo imaging of poly(ADP ribose) polymerase-1 activity for precision cancer medicine, A. J. Shuhendler, L. Cui, B. Shen, J. Lin, S. S. Gambhir, and J. Rao\*, World Molecular Imaging Congress (September, 2015, Honolulu, HI).
6. Physiochemically Triggered in Situ Polymerization in Living Mice, L. Cui, S. Vivona, S. R. Kothapalli, J. Rosenberg, P. H. Kierstead, A. T. Brunger, J. M.J. Fréchet, S. S. Gambhir, and J. Rao\*, American Chemical Society Meeting (August 2014, San Francisco).

7. Highly efficient  $^{18}\text{F}$  Labeling Achieved by Benzimidazol Ligand Assisted CuAAC Click Chemistry, B. Shen<sup>#</sup>, L. Cui<sup>#</sup>, J. Lin, D. Ye, J. Rao\* and F. T. Chin\*, ACS Meeting (August 2014, San Francisco).
8. Sugar-coated sub-30 nm non-ionic “nanocapsule” for delivery of poorly water-soluble drugs, L. Cui, S. C. Zhang, P. Zhang, R. Ghosh, C.-C. Ling\*, ACS Meeting (August 2014, San Francisco).
9. Caspase-Activated Gadolinium-based Contrast Agent for Magnetic Resonance Imaging of Drug-Induced Tumor Apoptosis in Mice, D. Ye, A. J. Shuhendler, P. Pandit, K. D. Brewer, S. Tee, L. Cui, G. Tikhomirov, B. Rutt\* and J. Rao\*, World Molecular Imaging Congress (September 2013, Savannah)
10. Sugar-coated non-ionic “nanocapsule” for delivery of poorly water-soluble drugs, L. Cui, S. C. Zhang, P. Zhang, R. Ghosh, C.-C. Ling\*, Alberta Glycomic Center Annual General Meeting and Annual Carbohydrate Symposium (May 2013, Banff, Alberta, Canada).
11. In vivo Imaging of Caspase Activity via Enzyme-Triggered Self-Assembly to Monitor Efficacy of Cancer Chemotherapies. D. Ye, A.J. Shuhendler, L. Cui, L. Tong, S.S. Tee, G. Tikhomirov, D. Felsher and J. Rao\*, World Molecular Imaging Congress (September 2012, Dublin, Ireland). [First place poster award.]
12. Acid-Degradable Dextran Nanoparticles Used in Vaccine Delivery, L. Cui and J.M.J. Fréchet\*, Oral speech (invited), the 25th International Carbohydrate Symposium (August 2010, Tokyo, Japan).
13. Synthesis of Polyvalent Heterobifunctional Ligand for Redirecting IgM to Siglec L. Cui, P.I. Kitov, G.C. Completo, J.C. Paulson, D.R. Bundle\*, Poster, Meeting of the Society for Glycobiology (November 2008, Fort Worth, Texas, USA).
14. Approaches in Targeting B Cells by the use of Multivalent Ligands of CD22, G.C. Completo, W.H. Chen, L. Cui, M. O'Reilly, P.I. Kitov, D.R. Bundle, J.C. Paulson\*, Poster, 2008 Meeting of the Society for Glycobiology (November 2008, Fort Worth, Texas, USA).
15. Synthesis of Polyvalent Heterobifunctional Ligand for Redirecting IgM to Siglec, L. Cui, P.I. Kitov, G.C. Completo, J.C. Paulson, D.R. Bundle\*, Poster, Alberta Ingenuity Center for Carbohydrate Science Annual General Meeting and Annual Carbohydrate Symposium (April 2008, Banff, Alberta, Canada).
16. Synthesis of the Zwitterionic Hexasaccharide containing two Repeating Units of the Streptococcus Pneumoniae Type 1 Capsular Polysaccharide, X. Wu, L. Cui, and D.R. Bundle\*, Poster, Alberta Ingenuity Center for Carbohydrate Science Annual General Meeting and Annual Carbohydrate Symposium (April 2008, Banff, Alberta, Canada).
17. Immuno-Targeting Malignant Cells through Folate-GlcNAc Conjugate, L. Cui, P.I. Kitov, and D.R. Bundle\*, Poster, Alberta Ingenuity Fund Reviewing Meeting (June 2007, Edmonton, Alberta, Canada).
18. Chemical Mapping and STD NMR Studies Establish the Trichinella spiralis Epitope Recognized by a Monoclonal Antibody, L. Cui, C.-C. Ling, and D.R. Bundle\*, Poster, Gordon Research Conference (June 2007, Tilton, New Hampshire, USA).
19. Immuno-Targeting Malignant Cells through Folate-GlcNAc Conjugate, L. Cui, P.I. Kitov, and D.R. Bundle\*, Poster, Alberta Ingenuity Center for Carbohydrate Science Annual General Meeting and Annual Carbohydrate Symposium (May 2007, Lake Louise, Alberta, Canada)
20. A Comparison of STD NMR and Chemical Mapping Studies of a Trichinella spiralis Antibody Binding Site, L. Cui, C.-C. Ling, and D.R. Bundle\*, Poster, Alberta Ingenuity Center for Carbohydrate Science Annual General Meeting and Annual Carbohydrate Symposium (June 2006, Edmonton, Alberta, Canada); Poster, 23rd International Carbohydrate Symposium (July 2006, Whistler, British Columbia, Canada).
21. Design and Syntheses of Trichinella spiralis N-Glycan Based Ligands, L. Cui, C.-C. Ling, and D.R. Bundle\*, Oral Speech, Banff Symposium on Organic Chemistry (November 2005, Banff, Alberta, Canada).
22. An Iterative Approach to High Affinity Carbohydrate Ligand Design, L. Cui, C.-C. Ling, and D.R. Bundle\*, Poster, Alberta Ingenuity Center for Carbohydrate Science Annual General Meeting and Annual Carbohydrate Symposium (April 2005, Lake Louise, Alberta, Canada); Poster, The 88th Canadian Chemistry Conference (May 2005, Saskatoon, Saskatchewan, Canada).

## H. INVITED TALKS

1. Molecular Imaging with Synthetic Glycans, February 22, 2018, College of Pharmacy, University of Illinois at Chicago, Chicago, IL.
2. Molecular Imaging with Synthetic Glycans, January 22, 2018, College of Pharmacy, University of Florida, Gainesville, FL.
3. Molecular Imaging with Synthetic Glycans, December 15, 2017, College of Pharmacy, University of Southern California, Los Angeles, CA.
4. Molecular Imaging with Synthetic Glycans, December 7, 2017, Department of Chemistry, University of Illinois at Chicago, Chicago, IL.
5. *In situ* activation-reactions for cancer diagnostic imaging, March 3, 2017, Humboldt Colloquium, Washington D.C.
6. Fluorescence imaging of heparanase via in situ labeling, February 3, 2017, University of New Mexico Comprehensive Cancer Center, Albuquerque, NM.
7. *In situ* activation-reactions toward Early Cancer Detection and Efficacy Monitoring of Cancer Therapies, October 27, 2015, UNM Comprehensive Cancer Center, Albuquerque, NM
8. *In situ* activation-reactions toward Early Cancer Detection and Efficacy Monitoring of Cancer Therapies, October 2, 2015, New Mexico Tech, Socorro, NM.
9. Bioinspired Design Principles in Chemistry for Early Cancer Detection and Efficacy Monitoring of Cancer Therapies. December 1, 2014, Nankai University, Tianjin, China.
10. "Smart" Chemistries for Cancer Therapy and Imaging. August 7, 2014, University of Calgary, Calgary, AB, Canada.
11. "Smart" Chemistries for Cancer Therapy and Imaging. August 1, 2014, University of Alberta, Edmonton, AB, Canada.
12. Bioinspired Design Principles in Chemistry for Early Cancer Detection and Efficacy Monitoring of Cancer Therapies. May 2, 2014, University of New Mexico Cancer Center, Albuquerque, NM, USA.
13. Bioinspired Design Principles in Chemistry for Early Cancer Detection and Efficacy Monitoring of Cancer Therapies. March 31, 2014, University of New Mexico, Albuquerque, NM, USA.

## I. PATENTS

1. L. Cui, J. Liu, Y. Wang, and P. Deenik, Near Infrared small molecule probes for the detection of cellular senescence. US provisional patent. 2017.
2. Z. Cheng, H. Liu, L. Cui, and Y. Xu (*Stanford University, USA*), Radiolabeled Amygdalin for Cancer Imaging and Treatment. US provisional patent. 2015.
3. J. Rao, A. J. Shuhendler, and L. Cui (*Stanford University, USA*), PET Probe For Imaging PARP-1 Activity In Live Subjects. US Patent. 2014.
4. C.-C. Ling, L. Cui, R. Ghosh, P. Zhang, and A-X. Wang (*Alberta Glycomic Center, Canada*), Amphiphilic Cyclodextrin-based Glycodendrimers. United States Patent Appl. No. 61/885,151, 2013.

## J. TRAINEES MENTORED

1. University of Florida

### **Current lab members:**

- Postdoctoral fellows:  
Jun Liu, PhD (PhD, CAS-SIOC; Cui lab, 2015-)  
Xiaowei Ma, MD, PhD, (Xijin Hospital, China; Cui lab, 2017-)  
Rina Saksena, PhD (Cui lab, 2017-)  
Meijun Xiong, PhD (PhD, CAS-SIOC; Cui lab, 2017-)

Guihua Zeng, PhD (PhD, UNM; Cui lab, 2018-)

- Research Assistant:  
Chao Cui, MD (2017-)
- Graduate students:  
Kelton A. Schleyer (BS, Harding University; PhD student, John D. Clark & Marian Clark Person Memorial Endowment Scholar, UNM, 2015-2018; continues at UF, 2018-present)

## 2. University of New Mexico

- Postdoctoral fellows:  
Ying Wang, MD, PhD (PhD, TMU; Postdoc, UNM, 2015-2017; currently Ophthalmologist at Aier Eye Hospital, China)  
Tyrel Bryan, PhD, (PhD UNM; Postdoc, UNM 2017-2018; currently Toxicology Quality Assurance Coordinator, Department of Health, NM)
- Graduate students:  
Arjun Kafle (MS, MTSU; MS, UNM, 2013-2016)  
Andrew Hoffman (BS, UCLA; MS, UNM, 2015-2017)  
Hyeoncheol Kim (BS, Soongsil University, South Korea; PhD student, Elicker Scholar, UNM, 2015-2018; transferred to other lab)  
Kunlun Yin (MS, University of Chinese Academy of Sciences; PhD student, UNM, 2016-2018; transferred to other lab)  
Philip R. Deenik (BS, *summa cum laude*, East Oregon University; PhD student, UNM, 2016-2018; transferred to other lab)  
Jacob A. Engelbrecht (BS, University of Miami; MS, UNM, 2016-2018)  
Lucas Chesley (BS, UNM; PhD student, UNM, 2017-2018; transferred to other lab)
- Undergraduate students:  
Mary Louise Gucik (undergrad, Whaley Scholar, UNM, 2015-2016)  
Mark Marroquin (US Marines; undergrad, UNM, 2015-2016)  
Afra Hussain (undergrad, pre-med, UNM, 2015-2016)  
Nathaniel Lucero Matteson (undergrad, UNM 2015-2017; currently PhD student at the Scripps Research Institute, La Jolla, CA)  
Peter Fatland (undergrad, Whaley Scholar, UNM, 2017; currently Intern at US Congress, Washington, D.C.)  
Paul K.P. Henderson (US Navy; undergrad, IMSD Scholar, UNM, 2016-2018)  
Valerie Perea (undergrad, IMSD Scholar, UNM, 2015-2018; currently PhD student at the Scripps Research Institute, La Jolla, CA)  
Ashton L. Sigler (undergrad, MARC Scholar, UNM, 2017-2018; transferred to other lab)  
Ben Fetrow (undergrad, UNM, 2016-2018)
- High School students:  
Ben Fetrow (High School Intern, summer 2015; currently undergraduate student at UNM)  
Nicole Leduc (High School Intern, summer 2015; currently undergraduate student at UNM)  
Zidai John Liu (High School Intern, summer 2017)
- Ph.D. Advisory Committee:  
*Student name (advisor, graduation/expected graduation year)*  
Catherine Wright (Fu-Sen Liang, 2016)  
Wubin Gao (Charles Meloncon, 2017)  
Hao Yan (Fu-Sen Liang, 2018)  
Weiye Zhao (Fu-Sen Liang, 2020)  
Huong Nguyen (Fu-Sen Liang, 2020)

## K. RESEARCH SUPPORT

### Ongoing support:

1R35GM124963, NIH NIGMS, Maximizing Investigators' Research Award (MIRA) (PI: Cui), \$1,891,862 (total cost), 08/01/2017 – 07/31/2022

W81XWH-17-1-0529, Department of Defense, Congressionally Directed Medical Research Programs, PRCRP Career Development Award (PI: Cui), \$543,335 (total cost), 09/01/2017 – 08/31/2020

### Completed support:

Start-up award, University of New Mexico (PI: Cui), 1/1/2015-7/31/2018

P30CA118100, UNM Cancer Center Support Grant (PI: Willman), 11/1/2015-7/31/2018

UNM Comprehensive Cancer Center Pilot Grant Award (PI: Cui), \$30,000, 4/1/2017-3/31/2018

UNM Comprehensive Cancer Center Pilot Match Fund Award, \$25,000, (PI: Cui), 4/1/2016-3/31/2017

UNM Comprehensive Cancer Center Pilot Grant Award, \$25,000, (PI: Cui), 11/1/2015-10/31/2016