

Christina G. Towers

The University of Colorado, Denver, Anschutz Medical Campus
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POSITIONS

Assistant Professor

The Salk Institute for Biological Studies

La Jolla, CA
Starting July 1, 2021

EDUCATION AND TRAINING

Postdoctoral Fellow in the Department of Pharmacology

University of Colorado, Denver AMC

Aurora, CO
2016-Present

- Advisor Dr. Andrew Thorburn, D Phil

Doctor of Philosophy in Molecular Biology (GPA 3.96)

University of Colorado, Denver AMC

Aurora, CO
2009-2016

- Advisor Dr. Heide Ford, PhD
- Doctoral Thesis: The Six1 oncoprotein represses translation of p53 via concomitant regulation of RPL26 and miR-27a

Bachelor of Science in Biology/Chemistry (GPA 3.97, *Summa cum laude*)

University of Miami, Fl

Miami, FL
2006-2009

Additional Research Experience

Summer Research Assistant, University of Miami, Miller School of Medicine,
Miami FL

2008-2009

Undergraduate Research Fellow, University of Colorado Denver, CO

2009 Summer

Undergraduate Research Fellow, University of Colorado Denver, CO

2008 Summer

HONORS AND AWARDS

• Grants

- NIH/NCI K99/R00 (PI Towers) 08/2020 – 06/2025
Therapeutic Targeting of Autophagy-Dependent Cancer
(Total award K99 \$200,000 / R00 \$750,000)
- Cancer League of Colorado Pilot Award (PI Towers) 07/2020 – 06/2021
Identifying novel regulators of mitochondrial turn over
(Total Award \$30,000)
- American Cancer Society (PI Towers) 01/2019 – 08/2020
Molecular Mechanisms of Resistance to Autophagy Inhibition
(Total Award \$112,500)

- NIH/NCI NRSA F32 (PI Towers) Relinquished
Molecular Mechanisms of Resistance to Autophagy Inhibition
(Relinquished due to acceptance of ACS award)
- NRSA NIH T32 07/2016 – 07/2018
Identifying context-dependent roles of autophagy in cancer
(Total Award \$100,000)
- UNCF/Merck Graduate Science Research Dissertation Fellowship 2012 – 2014
Understanding how the oncoprotein Six1, downregulates TP53 via
an MDM2-independent mechanism (Total Award \$53,500)
- NIH RO-1 Diversity Supplement Graduate Fellowship 2012-2015
Understanding how the oncoprotein Six1, downregulates TP53 via
an MDM2-independent mechanism (Total Award \$81,000)
- NRSA NIH T32 2010-2012
Understanding how the oncoprotein Six1, downregulates TP53 via
an MDM2-independent mechanism (Total Award \$60,000)
- **Other Research Support**
 - Awardee for the Future Leaders Advancing Research in Endocrinology (FLARE) 2013
 - Internship funded by The Endocrine Society (turned down award due to conflict)
 - Sachs Foundation Minority Graduate Scholarship, Denver, CO 2010-2014
 - The Endocrine Society Summer Research Fellowship, Denver, CO (turned down
award due to conflict) 2009
 - GEMs summer scholar, University of Colorado, AMC, Aurora CO 2008, 2009
 - Sachs Foundation Minority Undergraduate Scholarship, Miami, FL 2006-2009
- **Awards**
 - Best Talk: Department of Pharmacology Trainee Symposium, Denver CO, 2020
 - Leading Edge Fellow, 2020
 - Department of Pharmacology Excellence in Research Award, 2019
 - Best Talk: Department of Pharmacology Trainee Symposium, Denver CO, 2018
 - Travel Award: 5th International Conference on Tumor Microenvironment, Crete, Greece, 2018
 - The Graduate School Outstanding Dissertation Award, 2016
 - Department of Pharmacology Excellence in Research Award, 2015
 - The Molecular Biology Program Bolie Travel Award, 2014
 - Department of Pharmacology Travel Award, 2013
 - Best Poster at UNCF/MERCK Fellows Day, Philadelphia, PA, 2012
 - Graduated *summa cum laude*, University of Miami, FL, 2009
 - Phi Beta Kappa, University of Miami, FL, 2009
 - First prize for best poster at the 2009 ENDO meeting, Washington DC, 2009
 - First prize for research presentation during the Graduate Experience for Multicultural Student,
Internship program, University of Colorado AMC, Aurora, CO, 2008

PEER-REVIEWED PUBLICATIONS***Primary Author (*Co-first Author)***

1. **Towers CG**, Wodetzki DK, Thorburn A. Autophagy dependent cancer cells circumvent loss of the upstream regulator, RB1CC1 (FIP200), and loss of LC3 conjugation by similar mechanisms. Autophagy. 2020 Mar 18;:1-9. doi: 10.1080/15548627.2020.1741204. PMID: 32160093.
2. **Towers CG**, Fitzwalter BE, Regan D, Goodspeed A, Morgan MJ, Liu CW, Gustafson DL, Thorburn A. Cancer Cells Upregulate NRF2 Signaling to Adapt to Autophagy Inhibition. Dev Cell. 2019 Sep 23;50(6):690-703.e6. doi: 10.1016/j.devcel.2019.07.010. Epub 2019 Aug 1. PMID:31378590
3. Guarnieri AL, **Towers CG***, Drasin DJ, Oliphant MUJ, Andrysik Z, Hotz TJ, Vartuli RL, Linklater ES, Pandey A, Khanal S, Espinosa JM, Ford HL. The miR-106b-25 cluster mediates breast tumor initiation through activation of NOTCH1 via direct repression of NEDD4L. Oncogene. 2018 Jul;37(28):3879-3893. doi: 10.1038/s41388-018-0239-7. *Co-first Author
4. Dimberg LY*, **Towers CG***, Behbakht K, Hotz TJ, Kim J, Fosmire S, Porter CC, Tan AC, Thorburn A, Ford HL. A Genome-Wide Loss-of-Function Screen Identifies SLC26A2 as a Novel Mediator of TRAIL Resistance. Mol Cancer Res. 2017 Apr;15(4):382-394. doi: 10.1158/1541-7786.MCR-16-0234. *Co-first Author
5. **Towers CG**, Guarnieri AL, Micalizzi DS, Harrell JC, Gillen AE, Kim J, Wang CA, Oliphant MU, Drasin DJ, Guney MA, Kabos P, Sartorius CA, Tan AC, Perou CM, Espinosa JM, Ford HL. The Six1 oncoprotein downregulates p53 via concomitant regulation of RPL26 and microRNA-27a-3p. Nat Commun. 2015 Dec 21;6:10077. doi: 10.1038/ncomms10077.

Primary Author Review/Commentary articles

6. Armstrong A, Lomax J, Traylor-Knowles N, Samba-Louaka A, **Towers C**. On being black in the ivory tower. Cell. 2020 Oct 29. doi: 10.1016/j.cell.2020.10.006. PubMed PMID: 33125879
7. **Towers CG**, Wodetzki DK, Thorburn A. Autophagy and Cancer: modulation of cell death pathways and cancer cell adaptations. J Cell Biol. 2019 Nov 21. doi: 10.1083/jcb.201909033. PMID: 31753861
8. **Towers CG**, Thorburn A. Circumventing Autophagy Inhibition. Cell Cycle. 2019 Nov 18:1-11. doi: 10.1080/15384101.2019.1692483. PMID: 31736401
9. **Towers, C.G.**, Thorburn, A., 2019. Autophagy and Cancer. In: Boffetta, P., Hainaut, P. (Eds.), Encyclopedia of Cancer, 3rd edition, vol. 1, Elsevier, Academic Press, pp. 112-121. <http://dx.doi.org/10.1016/B978-0-12-801238-3.65812-9>
10. **Towers CG**, Thorburn A. Targeting the Lysosome for Cancer Therapy. Cancer Discov. 2017 Nov;7(11):1218-1220. doi: 10.1158/2159-8290.CD-17-0996.
11. **Towers CG**, Thorburn A. Therapeutic Targeting of Autophagy. EBioMedicine. 2016 Dec;14:15-23. doi: 10.1016/j.ebiom.2016.10.034
12. **Towers CG**, Ford HL. A tale of two ends. Cell Cycle. 2016 Jun 17;15(12):1523-4. doi: 10.1080/15384101.2016.1171652.

PEER-REVIEWED PUBLICATIONS CONTINUED

13. Shackelford MT, Rao DM, Bordeaux EK, Hicks HM, **Towers CG**, Sottnik JL, Oesterreich S, Sikora MJ. Estrogen Regulation of mTOR Signaling and Mitochondrial Function in Invasive Lobular Carcinoma Cell Lines Requires WNT4. *Cancers (Basel)*. 2020 Oct 12;12(10). doi: 10.3390/cancers12102931. PubMed PMID: 33053661.
14. Zhang Y, Mun SR, Linares JF, Ahn J, **Towers CG**, Ji CH, Fitzwalter BE, Holden MR, Mi W, Shi X, Moscat J, Thorburn A, Diaz-Meco MT, Kwon YT, Kutateladze TG. ZZ-dependent regulation of p62/SQSTM1 in autophagy. *Nat Commun*. 2018 Oct 22;9(1):4373. doi: 10.1038/s41467-018-06878-8.
15. Fitzwalter B, **Towers CG**, Andrisik Z, Thorburn J, Ryan K, O'Prey J, Espinosa J, Morgan M, Thorburn A. Autophagic degradation of FOXO3a links autophagy to apoptosis to allow cancer drug-specific chemosensitization. *Dev Cell*. 2018 Mar 12;44(5):555-565.e3. doi: 10.1016/j.devcel.2018.02.014.
16. Zhang Y, Mun SR, Linares JF, **Towers CG**, Thorburn A, Diaz-Meco MT, Kwon YT, Kutateladze TG. Mechanistic insight into the regulation of SQSTM1/p62. *Autophagy*. 2019 Apr;15(4):735-737. doi: 10.1080/15548627.2019.1569935. Epub 2019 Jan 22. PMID: 30653391
17. Levy JMM, **Towers CG**, Targeting Autophagy in Cancer. *Nat Rev Cancer*. 2017 Sep;17(9):528-542. doi: 10.1038/nrc.2017.53. Epub 2017 Jul 28.
18. Blevins MA, **Towers CG**, Patrick AN, Zhao R, Ford HL. The SIX1-EYA transcriptional complex as a therapeutic target in cancer. *Expert Opin Ther Targets*. 2015 Feb;19(2):213-25. doi: 10.1517/14728222.2014.978860

In preparation

Towers CG, Wodetzki DK, Thorburn J, Smith KR, Caino MC, Thorburn A. Mitochondrial homeostasis is maintained in the absence of autophagy by altering mitochondrial dynamics and enhancing mitochondrial derived vesicles. Under Review at *Developmental Cell*.

Requested commentaries published through Novus Biologicals at

<https://www.novusbio.com/antibody-news/category/autophagy>.

- 1) Methods to Monitor Autophagy, 2017
- 2) Novel insights into hypoxia induced AKT signaling, 2017
- 3) Autophagy: Pro or Anti-tumorigenic? And the role of epigenetics in this debate, 2017
- 4) There's an autophagy for that! 2017
- 5) Autophagy and Apoptosis: who regulates whom? 2017
- 6) Autophagy as a therapeutic target: the double-edged sword, 2017
- 7) How to switch from apoptotic to necroptotic cell death? Answer: Autophagy! 2017
- 8) Chaperone Mediated Autophagy (CMA) does it all! 2017
- 9) From then 'till now: The history of autophagy and cancer research, 2017
- 10) Cross-talk between proteasome degradation and lysosomal degradation, 2017
- 11) Autophagy in the Tumor Microenvironment, 2018
- 12) Autophagy inhibition in pediatrics: One physician-scientist's brave decision, 2018
- 13) Monitoring Autophagy in Neurons, 2018
- 14) Nuclear LC3: Why is it there and what is it doing, 2018
- 15) Lysosomal dysfunction is linked to exosomal secretion, 2018
- 16) Autophagy and oxidative stress, 2018

- 17) Clinical trials update, 2018
- 18) MAPK signaling links autophagy and inflammation, 2018
- 19) Measuring autophagic flux with LC3 protein levels: The do's and don'ts, 2018
- 20) A link between Autophagy and Apoptosis: A chat with the author, 2018
- 21) How a cell "reaches" out for help, 2018
- 22) Epigenetic control of Autophagy, 2018
- 23) Autophagosome biogenesis, What is the source of it all? 2018
- 24) Identification of a new epigenetic regulator of autophagy, 2018
- 25) I see an increase in LC3, now what? 2018
- 26) Best methods to induce and inhibit autophagy, 2018
- 27) Best way to measure autophagic flux, 2018
- 28) Animal models of autophagy, 2019
- 29) The LC3 A,B,C's and 1,2,3's, 2019
- 30) Visualizing autophagy by microscopy, 2019
- 31) Best genes to knock out to prevent autophagic flux, 2019
- 32) Is p62 a good indicator of Autophagic flux? 2019
- 33) Optogenetic control of mitophagy, 2019
- 34) What a difference a year makes! 2019
- 35) Autophagy and metastasis, 2019
- 36) New players in the mitophagy game, 2019

PROFESSIONAL SERVICE AND MEMBERSHIPS

- The American Society for Cell Biology 2020-Present
- Reviewer for Autophagy 2017-Present
- Reviewer for Molecules 2019- Present
- Reviewer for Cancers 2019-Present
- Reviewer for Cells 2018-Present
- Reviewer for FEBS OpenBio 2018-Present
- Reviewer for Communications Biology 2018-Present
- American Association for Cancer Research 2013-2014
- The Endocrine Society 2008-2009

CONFERENCE PROCEEDINGS AND INVITED TALKS

Invited Talks

1. Mechanisms to circumvent autophagy inhibition in cancer cells. Department of Biology Seminar Series. University of Miami, FL. April 26, 2021.
2. Mechanisms to circumvent autophagy inhibition in cancer cells. Rising Stars in Cancer Cell Biology seminar series. University of Utah Huntsman Cancer institute. Planned for Spring 2021
3. Mechanisms to circumvent autophagy inhibition in cancer cells. Autophagy, Inflammation, and Metabolism Center eSymposium. November 23, 2020.
4. Mechanisms to circumvent autophagy inhibition in cancer cells. American Society for Cell Biology Virtual Meeting. December 11, 2020.
5. Mechanisms to circumvent autophagy inhibition in cancer cells. Early Career Researcher's Online Seminar Series. University of Dundee, Scotland, UK. October 19th, 2020.
6. Mechanisms to circumvent autophagy inhibition in cancer cells. Jay Debnath Lab meeting. University of California San Francisco, CA. September 16th, 2020.
7. Mechanisms to circumvent autophagy inhibition in cancer cells. Department of Pharmacology Trainee Symposium, University of Colorado Anschutz Medical Campus, Aurora CO, October 16, 2020.

8. Mechanisms to circumvent autophagy inhibition in cancer cells. Massachusetts Institute of Technology, Faculty Interview. July 31, 2020
9. Mechanisms to circumvent autophagy inhibition in cancer cells. University of Colorado, Anschutz Medical Campus, Faculty Interview. July 21, 2020
10. Mechanisms to circumvent autophagy inhibition in cancer cells. University of New Mexico. Faculty Interview. July 24, 2020
11. Mechanisms to circumvent autophagy inhibition in cancer cells. University of Wisconsin, Faculty Interview. August 10, 2020
12. Mechanisms to circumvent autophagy inhibition in cancer cells. University of Colorado, Boulder, Faculty Interview. August 12, 2020
13. Mechanisms to circumvent autophagy inhibition in cancer cells. The Salk Institute for Biological Studies. Faculty Interview. August 13, 2020
14. Mechanisms to circumvent autophagy inhibition in cancer cells. University of Chicago. Faculty Interview. August 20, 2020
15. Mechanisms to circumvent autophagy inhibition in cancer cells. University of Pennsylvania, Faculty Interview. August 26, 2020
16. Mechanisms to circumvent autophagy inhibition in cancer cells. City of Hope, Faculty Interview. October 5th, 2020
17. Mechanisms to circumvent autophagy inhibition in cancer cells. Memorial Sloan Kettering, Faculty Interview. October 8th, 2020
18. Mechanisms to circumvent autophagy inhibition in cancer cells. Leading Edge Symposium, August 29, 2020, HHMI Janelia Research Campus
19. Mechanisms of tumor relapse: The good, the bad, and the ugly of cancer therapeutics, The College of St. Scholastica, Duluth MN, October 29, 2020
20. Mechanisms of tumor relapse: The good, the bad, and the ugly of cancer therapeutics, The University of Minnesota Duluth, Duluth MN, October 30, 2020
21. Autophagy and Cancer, The College of St. Scholastica, Duluth MN, October 2, 2020
22. Mechanisms to circumvent autophagy inhibition in cancer, Endocrine Conference, Denver CO January 29, 2020
23. Autophagy and Cancer, Johnson and Wales, Denver CO. January 27, 2020
24. Cancer cells upregulate mitochondrial fusion to adapt to loss of autophagy. Pharmacology Departmental Retreat. Keystone, CO. April 19, 2019
25. Autophagy in cancer and how cells get around it. Pharmacology Student Day. University of Colorado, Denver AMC. October 12, 2018
26. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes. King's Symposium. University of Colorado, Denver AMC. April 19th, 2017
27. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes. Pharmacology Departmental Retreat. Keystone, Colorado. April 13th, 2017
28. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes, University of Colorado Boulder, Boulder CO. November 18, 2016.
29. The Six1 homeoprotein downregulates, p53, through an MDM2-independent mechanism, via down regulation of RPL26. Post-Doctoral Interview. Baylor School of Medicine, Houston, TX.
30. The Six1 homeoprotein downregulates, p53, through an MDM2-independent mechanism, via down regulation of RPL26. Post-Doctoral Interview. University of Pennsylvania, Philadelphia, PA.
31. The Six1 homeoprotein downregulates, p53, through an MDM2-independent mechanism, via down regulation of RPL26. Post-Doctoral Interview. Duke, Durham NC.
32. The Six1 homeoprotein downregulates, p53, through an MDM2-independent mechanism, via down regulation of RPL26. The Department of Pharmacology Student and Post-doc Fellowship Day, Denver, CO 2014

Other Talks

33. The Six1 homeoprotein downregulates, p53, through an MDM2-independent mechanism, via down regulation of RPL26. The Department of Pharmacology Student and Post-doc Fellowship Day, Denver, CO 2014
34. The Six1 homeoprotein downregulates the tumor suppressor, p53, via a novel, MDM2-independent mechanism. *Molecular Biology Program Seminar Series, University of Colorado AMC, CO. 2012*

35. Six1 Downregulates p53, via a Potentially Novel, MDM2 Independent, Mechanism. UNCF/MERCK Fellows Day, Philadelphia, PA 2012.
36. The Role of Six1 in Genomic Instability, a p53 Mediated Mechanism. Molecular Biology Program Seminar Series, University of Colorado AMC, CO. 2012
37. The Role of Six1 in Genomic Instability, a p53 Mediated Mechanism. Molecular Biology Program Seminar Series, University of Colorado AMC, CO. 2011
38. Effects of lipids and lipoproteins on vascular cAMP response element- binding protein expression. Graduate Experience for Multicultural Students (GEMS). University of Colorado AMC, Aurora, CO. 2008

Poster Presentations (Presented at International Meetings)

39. **CG. Towers**, A. Thorburn. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes. 5th International Conference on Tumor Microenvironment and Cellular Stress. Crete, Greece, 2018
40. **CG. Towers**, A. Thorburn. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes. International Symposium on Autophagy, Nara, Japan, 2017
41. **C. Garlington**, C. Wang, A. Smith, A. Tan, H.L. Ford. The Six1 homeoprotein downregulates, p53, through an MDM2-independent mechanism, via down regulation of RPL26. The 16th International p53 Workshop, Stockholm, Sweden, 2014

Poster Presentations (Presented at National Meetings)

42. **Towers CG**, Fitzwalter BE, Regan D, Goodspeed A, Morgan MJ, Liu CW, Gustafson DL, Thorburn A. Cancer Cells Upregulate NRF2 Signaling to Adapt to Autophagy Inhibition. Autophagy Keystone Symposia, Santa Fe, NM, 2019
43. **CG. Towers**, A. Thorburn. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes. CABRAC, Portland, OR, 2017
44. **C. Garlington**, C. Wang, A. Smith, A. Tan, H.L. Ford. The Six1 homeoprotein downregulates the tumor suppressor, p53, via a novel, MDM2-independent mechanism. AACR, Washington DC, 2013
45. **C. Garlington**, D.S. Micalizzi, H.L. Ford. Six1 Downregulates p53, via a Potentially Novel, MDM2 Independent, Mechanism. UNCF/MERCK Fellows Day, Philadelphia, PA 2012.
46. **C. Garlington**, J.E. Reusch, L. Knaub. Effects of lipids and lipoproteins on vascular cAMP response element-binding protein expression. ENDO, Washington D.C. 2009.
47. **C. Garlington**, J.E. Reusch, L. Knaub. Effects of lipids and lipoproteins on vascular cAMP response element-binding protein expression. Annual Biomedical Research Conference for Minority Students (ABRCMS). Orlando, FL. 2008

Other Posters

48. **CG. Towers**, A. Thorburn. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes. Cancer Biology Program Retreat, Denver CO, 2017
49. **CG. Towers**, A. Thorburn. Identifying context dependent roles of autophagy in cancer using a novel CRISPR/Cas9 approach to screen for essential genes. Cancer Biology Graduate Program Retreat. Colorado Spring, CO, 2016
50. **C. Garlington**, H.L. Ford. The Six1 homeoprotein downregulates p53 protein translation. *Molecular Biology Program Seminar Series, University of Colorado AMC, CO. 2014*
51. **C. Garlington**, D.S. Micalizzi, H.L. Ford. Six1 Downregulates p53, via a Novel, MDM2 Independent, Mechanism. *Molecular Biology Retreat, Winter Park, CO 2012.*
52. **C. Garlington**, D.S. Micalizzi, H.L. Ford. The Role of Six1 in Genomic Instability, a p53 Mediated Mechanism. *Molecular Biology Retreat, Winter Park, CO. 2011*
53. **C. Garlington**, D.S. Micalizzi, H.L.Ford. The Role of Six1 in the DNA Damage Response. *Molecular Biology Retreat, Winter Park, CO. 2010*

TEACHING AND MENTORING***University of Colorado***

- Teaching assistant for CANB7690 Grant writing course – participated in all grant writing discussions, helped students write grants, and graded all student grants, Spring Semester 2020
- Didactic lecturer: Autophagy and apoptosis, CANB 7600 Signaling block, March 31, 2020
- Reviewer for F31/F32 pre-review mock study section, November 6-7, 2019
- Lecturer: Paper discussion for IDPT 7806: Cell biology block, 20
- Didactic lecturer on microRNAs for the Basic Research Skills in Molecular Biology for Medical Fellows course, 2014
- Didactic lecturer on quantitative real time PCR for the Basic Research Skills in Molecular Biology for Medical Fellows course, 2014
- Teaching assistant for Basic Research Skills in Molecular Biology for Medical Fellows course, University of Colorado AMC, Aurora, CO, 2013-2014

University of Miami

- Chemistry small group leader, 2008
- Biology Peer Advisor, 2008
- Chemistry and Biology Tutor, 2008-2009

Invited Lectures

- Didactic lecturer: Autophagy and Cancer, The College of St. Scholastica, Duluth MN, planned for March 25, 2020 (rescheduled due to COVID-19)
- Didactic lecturer: Autophagy in development, University of Minnesota, Duluth, planned for March 25, 2020 (rescheduled due to COVID-19)
- Didactic lecturer: Autophagy and Cancer. Johnson and Wales University, Denver, CO, 2020
- Designed and administered a laboratory course on promoter luciferase assays at Metro State University, Denver, CO, 2014

Trainees that I have directly mentored

- Darya Wodetzki (Professional Research Assistant), 2018 – Present
- Elma Kajtazovic (Undergraduate student), 2017-2018
- Erik Linklater (Graduate Rotation student), 2015
- Michael Oliphant (Graduate Rotation student), 2014-2016

COMMITMENT TO DIVERSITY, EQUITY, AND INCLUSION OF URM STUDENTS

- Facilitator and panelist for the McNair Scholars (The College of St. Scholastica, MN) tour for URM undergraduate students, University of Colorado AMC, Aurora, CO, 2018, 2019
- Host of “Day in the life of a graduate student” for URM students, University of Colorado AMC, Aurora, CO, 2018
- Host of Xavier University undergraduate student tours, University of Colorado AMC, Aurora, CO, 2018
- Guest speaker at “Minority Students Interested in Healthcare” meeting, CU Boulder, Boulder, CO, 2016
- Organizer, speaker, and facilitator of “AMC research day” for underrepresented minority high school and middle school students, University of Colorado AMC, Aurora, CO, 2014-2016
- Recruiter for University of Colorado at the Annual Biomedical Research Conference for Minority Students (ABRCMs), San Jose, CA, 2011
- “Learn about Cancer Day” leader of research laboratory tours, University of Colorado Anschutz Medical Campus, Aurora, CO, 2010

- Horizons Multicultural Orientation leader, University of Miami, FL, 2008

LEADERSHIP EXPERIENCES

- Chair of the Cancer Biology Program Post-Doctoral Symposium Committee, University of Colorado, Denver AMC, 2016-2017
- Co-Chair of the Cancer Biology Program Post-Doctoral Journal Club, University of Colorado, Denver AMC, 2016-2017
- Recruitment Committee for Molecular Biology Graduate Program, University of Colorado, Denver AMC, 2012-2014
- Organizing Committee for the Molecular Biology Program Annual Retreat, University of Colorado, Denver AMC 2012
- Organizing committee for the Molecular Biology Program Mini-symposium, University of Colorado, Denver AMC, 2011