

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Cynthia Ann Hofstetter Ledford, MD

POSITION TITLE: Senior Associate Dean for Medical Education, Northeast Ohio Medical University

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

| INSTITUTION AND LOCATION | DEGREE (if applicable) | Completion Date MM/YYYY | FIELD OF STUDY |
|--|---------------------------|----------------------------|--|
| University of Cincinnati, Cincinnati, OH | BS | 06/1986 | Chemistry (Biochemistry) |
| The Ohio State University, Columbus, OH | MD | 06/1992 | Medicine |
| The Ohio State University, Columbus, OH | - | 06/1993 | Fellowship in Medical Education |
| Cincinnati Children's Hospital & Medical Center, University Hospitals, Cincinnati, OH | - | 06/1997 | Combined Internal Medicine and Pediatrics |

A. Positions, Scientific Appointments, and Honors**Selected Positions and Employment**

December 2020, Senior Associate Dean for Medical Education, (Dec 2020- present), Northeast Ohio Medical University

January 2018, Associate Dean for Undergraduate Clinical Education, (Jan 2018- Dec 2020), Oakland University William Beaumont School of Medicine

August 2016 Assistant Dean for Curriculum Design and Innovation (Aug 2016-present), College of Medicine, The Ohio State University

July 2013, Associate Vice Chair for Medical Education (Sep 2013-present), Internal Medicine, The Ohio State University

June 2016, Professor (clinical) (2016-present) Pediatrics. Internal Medicine The Ohio State University

September 2009, Associate Professor (clinical) (Sep 2009- 2016), Pediatrics, The Ohio State University

August 2009, Assistant Dean for Evaluation and Assessment (Sep 2009-2016), College of Medicine, The Ohio State University

September 2008, Associate Professor (clinical) (Sep 2008-2016), General Internal Medicine, The Ohio State University

July 2003- June 2009, Subinternship Director, The Ohio State University, College of Medicine

September 2000 - Jul 2013, Clerkship Director of Internal Medicine, Internal Medicine, The Ohio State University

Selected Scientific and Professional Appointments

Medical Education Senior Leadership, Group on Educational Affairs, AAMC

Alliance for Clinical Education, Council, Elected Representative, Apr 2015.

Federation of State Medical Board and National Board of Medical Examiners, Communications and Ethics, Test Material Development Committee, Member, Jul 2014.

Alliance for Academic Internal Medicine, AAIM Competency Based Education Committee, Member, Jan 2014.

Alliance for Academic Internal Medicine, AAIM Membership Engagement Committee, Member, Jan 2013.

Alliance for Academic Internal Medicine, CDIM Council, Leader, Jul 2012.

American Academy of Pediatrics, Fellow, Jan 1997.

Association of American Medical Colleges, Member, Jan 1997.

Alliance for Academic Internal Medicine, Clerkship Directors of Internal Medicine; Membership Engagement Task Force, Chair, Jan 2013 - Jan 2014.

Federation of State Medical Board and National Board of Medical Examiners, Introduction to Clinical Diagnosis, Test Material Development Committee, Member, Jan 2010 - Jan 2014.

Selected Honors

Oct 2015, CDIM Louis N. Pangaro MD Educational Program Development Award, Clerkship Directors of Internal Medicine

Oct 2015, Master Teacher Award, Ohio Chapter of the American College of Physicians

Aug 2013, Distinguished Educator Award, Ohio State University College of Medicine, The Ohio State University

C. Contributions to Science

My scholarly approach to education has been recognized through promotion to the rank of Professor, as well as 11 individual awards with external funding, including 4 as principal investigator (PI) or co-PI (SGIM mentorship, CGEA collaborative grant, HRSA- faculty development grant, ABIM Foundation grant). I have given a number of national scholarly presentations and assumed key faculty roles in national faculty development and curricular development projects. I have published books and several chapters in books, as well as peer reviewed articles and online learning curricula.

Below is a summary of publications and selected national presentations related to key areas that are most relevant to this project:

Outcomes based curriculum design

Gunn, JS, Ledford, CH, Mousetes, S and MR Grever Biomedical science undergraduate major: a new pathway to advance research and the health professions *Teaching and Learning Medicine*

Fazio, SB, Ledford, CH, Aronowitz, PB, Chheda, SG, et.al. Competency-based medical education in the internal medicine clerkship: report from the Alliance for Academic Internal Medicine Undergraduate Medical Education Task Force *Academic Medicine*

Thompson, L, Lipps, J, Leung, C, Green, B, Schaffernocker, T, Ledford, C, Kman, N. (2016). A checklist for assessment of entrustment for EPA-10. *Western Journal of Emergency Medicine*, 17(4.1).

Coaching and reflective practice

Kopechek, J, Bardales, C, Lash, T, Walker, C, Pfeil, S, Ledford, C (*accepted, in press*) Coaching the Coach: a Program for Development of Faculty Portfolio Coaches *Teaching and Learning in Medicine*

Kopechek, J., Khandelwal, S., Grieco, CA., Post, DM, Davis, JA, Ledford, CH (2016) Portfolio-Associated Faculty: A Qualitative Analysis of Successful Behaviors from the Perspective of the Student *Journal of Biomedical Education*

Kopechek, J., Khandelwal, S., Grieco, CA., Post, DM, Davis, JA, Ledford, CH (2016) Portfolio Associated Faculty: A Qualitative Analysis of Successful Behaviors from the Perspective of the Student *Journal of Biomedical Education*

Professionalism as a developmental competency

Ledford CH, Lucey CR. Growing Insights into Medical Professionalism. (2006) *Academic Internal Medicine Insight*, 4(4):10-11 (invited)

Ledford CH, (2007) "Professionalism" Primer to the Internal Medicine Clerkship, CDIM, 2007. (editor-reviewed)

Integrating Professionalism into the Curriculum: Professionalism as a Measurable and Teachable Skill (*peer-reviewed*)

J Mahan, CH Ledford, L Mihalov, R Donthi, S Holliday Pediatric
Academic Society National Meeting Toronto, Canada, May 5-8, 2007.

Educating Resilient Professionals: Professionalism as a Skill based Competency (*peer-reviewed*)
CH Ledford

Society of General Internal Medicine National Meeting
Toronto, Canada, April 2007

Educating Resilient Professionals: Professionalism as a Skill based Competency. (*peer reviewed*)

CH Ledford, S Khandelwal,
Academic Internal Medicine Week,
Alliance for Academic Internal Medicine National Meeting
New Orleans, October 2006

Treating Professionalism Lapses as a form of Medical Error (*peer-reviewed*)

CR Lucey, CH Ledford,
Central Group on Educational Affairs,
Association for the American Medical Colleges Regional Meeting, Kansas City, MO,
March 2006.

Teaching clinical reasoning

Maicher, K., Danforth, D., Price, A., Zimmerman, L., Wilcox, B., Liston, B., ... & Post, D. (2017). Developing a Conversational Virtual Standardized Patient to Enable Students to Practice History-Taking Skills. *Simulation in Healthcare*, 12(2), 124-131.

Ledford CH and Nixon LJ "General Teaching Techniques" Ed. Trowbridge, Durning, and Rencic, (2015) *Teaching Clinical Reasoning*, ACP Press

Bixler, MG, Brown, A, Way, DA, Ledford CH, Mahan JD. "Collaborative concept mapping to improve critical thinking in 4th year medical students." *Clinical Pediatrics*. Vol. 54, no. 9. (Aug 2015): 833-839. <https://aap.confex.com/aap/2013/webprogram/Paper22508.html>. (Published). 8% Authorship. I served as adviser and assisted in manuscript writing for this fellowship project.

Tartaglia, KM, Kman N, Ledford C. "Medical Student Perceptions of Cost-Conscious Care in an Internal Medicine Clerkship: A Thematic Analysis." *Journal of General Internal Medicine*. Vol. 30, (May 2015): 1-6. (Published). 31% Authorship. We collaboratively created the curriculum, analyzed the educational products for themes, and wrote the manuscript.

Baker EA, Ledford CH, Way DA, Park YS. "The IDEA rating instrument: assessing the reporting, diagnostic reasoning and decision making skills demonstrated in medical students' hospital admission notes." *Teaching and Learning in Medicine*. Vol. 27, no. 2. (Apr 2015): 163-173. <http://www.tandfonline.com/doi/full/10.1080/10401334.2015.1011654>. (Published). 33% Authorship. We collaboratively studied this tool, initially developed by the first author, over several years and versions, and then co-authored this manuscript with the assistance of 2 statisticians.

Tartaglia, K. M., Kman, N., Cronau, H., Ledford, C. "Integrating a curriculum on cost-conscious care into undergraduate medical education." *Journal of General Internal Medicine*. Vol. 28, no. S. (Jan 2010): S468-469. (Published). 33% Authorship. We collaboratively designed and studied this innovative curriculum.

Aiyer, Meenakshy, K; Vu, T, Robert; Ledford, Cynthia; et al. "The Subinternship Curriculum in Internal Medicine: A National Survey of Clerkship Directors." *Teaching and Learning in Medicine*. Vol. 20, no. 2. (Jan 2008): 151-6. (0.73) (Published). 15% Authorship. We collaboratively designed items for the national survey, then analyzed and reported results in this manuscript. Citation Count: 5.

Teaching the teacher

O'Brien, K. E., Mechaber, A. J., Ledford, C. H., Klocksieben, F. A., Fagan, M. J., Harrell, H. E., ... & Frank, E. (2021). Perception of medical student mistreatment: does specialty matter?. *Academic medicine*.

Hurtubise, LC, Turner, TL, Ledford, CH, Mahan JD (2015) Getting started with online faculty development *Journal of Graduate Medical Education* 1-2

Reed S, Shell R, Kassis K, Tartaglia K, Wallihan R, Smith K, Hurtubise L, Martin B, Ledford, C, Bradbury S, Bernstein HH, Mahan JD. "Applying Adult Learning Practices in Medical Education." *Current problems in pediatric and adolescent health care*. Vol. 44, no. 6. (Jan 2014): 170-181. (Published). 7% Authorship. I authored one section of this multi-section publication and review.

Aiyer, Meenakshy; Appel, Joel; Fischer, Melissa; et al. "The Role of the Internal Medicine Subinternship Director in the 21st Century." *The American Journal of Medicine*. Vol. 121, no. 8. (Jan 2008): 733-7. (5.11) (Published). 7% Authorship. We collaboratively authored this position paper, resulting from task force work. Citation Count: 0.

Ogden PE, Wu EH, Elnicki MD, Battistone MJ, Cleary LC, Fagan MJ, Friedman E, Gliatto PM, Harrell HE, Jennings MS, Ledford CH, Mechaber AJ, Mintz M, O'Brien K, Thomas MR, Wong RJ. "Do Attending Physicians, Nurses, Residents, and Medical Students Agree on What Constitutes Medical Student Abuse?." *Academic Medicine*. Vol. 80, (Jan 2005): S80-S83. (Published). 5% Authorship. I was part of this large group who created educational vignettes in the form of trigger videos to support this study of student, resident and faculty perceptions of medical student abuse. I authored the vignette on sexual harassment.