# *updated: April 2020*

# Kelly A. Hogan

**Associate Dean for the Office of Instructional Innovation**

**QEP Director**

**College of Arts & Sciences**

**STEM Teaching Professor in Biology**

919-843-6047

104B Wilson Hall, CB#3280

University of North Carolina at Chapel Hill

**Personal:**

* Safe Zone Certified (LGBTQ awareness training)
* Green Zone Trained (Veteran awareness training)
* Mental Health First Aid Certification
* Carolina First Advocate (Certification and advocacy for first generation college students)
* Equity in Teaching Institute Trainee and Advisor (CFE)

**Education**:

*University of North Carolina (Chapel Hill, NC)* 1996-2001

Ph.D., Pathology and Laboratory Medicine

Doctoral Advisor: Dr. Susan T. Lord

*Doctoral Research*: The Role of Variant Fibrinogen and Increased Plasma

Fibrinogen Levels in Thrombotic Disease.

*The College of New Jersey (Ewing, NJ)* 1992-1996

B.S., Biology, *Summa cum laude*

**Professional Experience**:

Quality Enhancement Plan (QEP) Director for UNC-CH 2017-

Associate Dean of the Office of Instructional Innovation for the College of A&S 2018-

Assistant Dean of the Office of Instructional Innovation for the College of A&S 2017-2018

Director of the Office of the Instructional Innovation for the College of A&S 2014 -2016

*University of North Carolina-CH*

STEM Teaching Professor in Biology, *University of North Carolina-CH* 2018- current

STEM Teaching Associate Professor in Biology, *University of North Carolina-CH* 2017-2018

Senior STEM Lecturer in Biology, *University of North Carolina-CH* 2014 -2017

Senior Lecturer in Biology, *University of North Carolina-CH* 2010-2013

Lecturer in Biology, *University of North Carolina-CH* 2004-2011

Adjunct instructor at North Carolina Central University 2002

Post-doctoral Fellow, *University of North Carolina (Department of Biology)* 2001-2004

*Post-doctoral research:* Blood vessel patterning in mouse development.

Sponsor: Dr. Victoria L. Bautch

Honors:

National Association of Biology Teacher (NABT) Four Year Teaching Award 2020

Biology Department Instructor of the Year 2016

 *A student nominated/chosen award*

News and Observer’s Tarheel of the Week 2015

National Academic Advising Association (NACADA)’s Outstanding 2015

Advising Award for Faculty Academic Advising

Tanner Award for Excellence in Undergraduate Teaching 2015

*Campus-wide award*

Order of the Golden Fleece: 2014

*Considered the highest honorary at the University of North Carolina at Chapel Hill, the Order of the Golden Fleece selects its members based upon service to the university as reflected in scholarship, motivation, creativity, loyalty, and leadership in academic and extracurricular pursuits.*

Carolina Women’s Leadership Council Faculty Mentoring Award 2014

Bryan Public Service Award, UNC

 *Campus-wide award*  2014

National Academies Education Mentor in the Life Sciences 2012-2015

Delta Upsilon Fraternity/ADPi Sorority Teaching Award, UNC 2012

*A student nominated/chosen award*

Institute for the Arts and Humanities (IAH) Fellow, UNC 2012

National Academies Education Fellow in the Life Sciences 2011

Spirit of Inquiry Award, Pope Foundation for Higher Education 2011

 *A statewide, student-nominated, committee chosen award*

Biology Department Instructor of the Year 2011

 *A student nominated/chosen award*

Chapman Family Award, UNC 2011

 *A campus wide Chancellor’s Award*

Student Undergraduate Teaching and Staff Award, UNC 2010

 *A Campus-wide, student nominated/chosen award*

Bibliography:

**Refereed Books and Chapters**

**Hogan, K.A.** and Sathy V. (*in preparation*). Embracing Diversity: A Guide to Teaching Inclusively,

WVU Press.

Simon, E.J., Dickey, J.L., **Hogan, K.A.** (*2020*). Campbell Biology: Concepts and Connections. 10th edition. Pearson Education

Engelke, A., Hutson, B, **Hogan, K.A.,** Mizzy, D, Plenge, M, Coble, J, McCombs, M., Williams, J. (*2020*). *Incorporating Making Competencies into Course Assignments and Supporting Faculty Development in Making*, Book chapter in Maker Literacies for Academic Libraries: Integration into Curriculum, American Libraries Association. Edited by Keery, P.M. Chicago.

Panter, A. T., Sathy, V., & **Hogan, K.A**. (*2020)*. Training university faculty to improve student

learning outcomes in quantitative courses. Chapter in J. Rodgers

(Ed.), *Teaching Statistics Multivariate Analysis Series.*New York: Taylor-Francis.

Reece, J.B., Taylor, M.R., Simon, E.J., Dickey, J.L., **Hogan, K.A.** (2017). Campbell Biology: Concepts and Connections. 9th edition. Pearson Education, Inc. ISBN-10: 013429601X

Simon, E.J., Dickey, J.L., Reece, J.B., **Hogan, K.A.** (2015) Campbell Essential Biology, Pearson Education, Inc. ISBN-10 032196750X

**Hogan, K.A.,** Krumper,J. McNeil, L.E. Crimmins, M.T (2015) [Advancing Evidence-Based Teaching in Gateway Science Courses through a Mentor-Apprentice Model](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&ved=2ahUKEwjalsi6s9jlAhWhg-AKHdmxAAIQFjADegQIBRAC&url=http%3A%2F%2Fwww.oapen.org%2Fdownload%3Ftype%3Ddocument%26docid%3D1005135&usg=AOvVaw0AgI4PcauuMTAQNcqVemRL). In Weaver, G.C., Burgess, W.D., Childress, A.L. and Slakey, L (Eds). *Transforming Institutions: Undergraduate STEM Education for the 21st Century* Purdue University Press. p77-89.

Reece, J.B., Taylor, M.R., Simon, E.J., Dickey, J.L., **Hogan, K.A.** (2014). Campbell Biology: Concepts and Connections. Pearson Education, Inc.

**Hogan, 2009** “Immunity and Heath” in What is Life? By Jay Phelan*.* WH Freeman, New York, 2010.

Hogan, 2008. Stem Cells and Cloning, Second Ed., Pearson/Benjamin Cummings

Selected Pieces Authored in Media

Sathy, V., Hogan, K.A., Sims C.M. A Dozen-Plus Ways you can Foster Educational Equity (2020, July) *Insider Higher Ed.* <https://www.insidehighered.com/advice/2020/07/01/list-practical-ways-non-black-faculty-members-can-help-dismantle-educational>

Hogan, K.A. and Sathy, V. (2020 April). Eight Ways to be More Inclusive in Your Zoom teaching. *The Chronicle of Higher Education*.

<https://www.chronicle.com/article/8-Ways-to-Be-More-Inclusive-in/248460>

Sathy, V., and **Hogan, K.A.** (2019, July). Want to Reach All of Your Students? Here’s How to Make Your Teaching More Inclusive. Advice Guide, Invited piece, *The Chronicle of Higher Education*. <https://www.chronicle.com/interactives/20190719_inclusive_teaching>

# Hogan, K.A. and Sathy, V. (2019, March). How an Inclusive Teaching Approach Helped Us Build a

# More Inclusive Curriculum for our University. ACUE, invited expert series post.

# <https://community.acue.org/blog/inclusive-curriculum/>

# Hogan, K.A. and Sathy, V. and (2018, November). *[How Faculty Can ‘Click’ Their Way to a More](https://www.edsurge.com/news/2018-11-21-how-faculty-can-click-their-way-to-a-more-inclusive-classroom)*

# *[Inclusive Classroom](https://www.edsurge.com/news/2018-11-21-how-faculty-can-click-their-way-to-a-more-inclusive-classroom)*. EdSurge, invited expert series post.

Sathy, V. and **Hogan, K.A.** (2018, March). *Why we’re speaking up about inclusive teaching.* ACUE

invited expert series post. <https://community.acue.org/blog/why-were-speaking-up-about-inclusive-teaching-strategies/>

**Refereed Papers and Articles**

Molinaro, M., Finkelstein, N., Sathy, V., and **Hogan, K**.**A.** (*invited piece; in press*). Teaching and Research Expectations for Faculty in Higher Education. CHANGE Magazine.

Sathy, V., Strauss, C. L., Nasiri, M., Panter, A. T., **Hogan, K. A.,** & Hutson, B. L. (2020). Cultivating inclusive research experiences through course-based curriculum. Scholarship of Teaching and Learning in Psychology. Advance online publication. [https://doi.org/10.1037/stl0000215](https://doi.apa.org/doi/10.1037/stl0000215)

Greene, J. A., Urban, C. J., Plumley,R. D., Bernacki, M. L., Gates, K. M., **Hogan, K. A**., Demetriou, C., & Panter, A. T. (2019). [Modeling temporal and contingent self-regulatory processing in a higher education biology course](https://www.sciencedirect.com/science/article/pii/S0959475218304407). Learning and Instruction.

Eddy, S.L. **Hogan, K.A**. (2014) Getting under the hood: how and for whom does increasing course structure work? CBE Life Sci Educ, 13, 453-468.

Passman JN, Dong XR, Wu SP, Maguire CT, **Hogan KA**, Bautch VL, Majesky MW. A sonic hedgehog signaling domain in the arterial adventitia supports resident Sca1+ smooth muscle progenitor cells. *Proc Natl Acad Sci U S A*. 2008 Jul 8;105(27):9349-54.

**Hogan, K.A**., Ambler, C.A., Chapmen, D.L., Bautch, V.L. The neural tube patterns vessels developmentally using the VEGF signaling pathway. *Development* 2004*,* ***131****: 1503-13*

**Hogan, K.A**. and Bautch V.L. Blood vessel patterning at the embryonic midline. *Curr Top Dev Biol*. 2004;62:55-85. Review.

[**Hogan**, **K.A**., Merenbloom, B.K., Kim, H.S., Lord S.T.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15304068)Neonatal bleeding and decreased plasma fibrinogen levels in mice modeled after the dysfibrinogen Vlissingen/Frankfurt IV.*J Thromb Haemost.* 2004;2:1484-7.

TerasawaF., **Hogan,K.A**., Kani, S., Hirose, M., Eguchi, Y., Noda, Y., Hongo, M., Okumura, N.Fibrinogen Otsu I: Asn319, Asp320 Deletion Dysfibrinogen Identified in an Asymptomatic Pregnant Woman. *Thromb Haemost 2003,* ***90****: 757-8.*

**Hogan, K.A**., Weiler-Guettler, H. and Lord, S.T. Mouse Models in Coagulation. *Thromb Haemost*, 2002, **87**:563-74.

Remijn J.A., IJsseldijk M.J., Van Hemel B.M., Galanakis D.K., **Hogan K.A.**, Lounes K.C., Lord S.T., Sixma J.J., De Groot P.G. Reduced Platelet Adhesion in Flowing Blood to Fibrinogen by Alterations in Segment Gamma316-322, Part of the Fibrin-Specific Region. *Br J Haematol,* 2002, **117**:650-7

# Hogan, K.A., Maeda, N., Kluckman, K.D., Lord, S.T. Synthesis of a Mouse Model of the Dysfibrinogen Vlissingen/Frankfurt IV. *Ann. N.Y. Acad. Sci*., 2001, 936:117-121.

# Hogan, K.A., Bolliger, B., Okumura, N., Lord, S.T. The Formation of  Fibrin Requires a Functional “a” Site. *Ann. N.Y. Acad. Sci*. 2001, 936: 219-222.

Lounes, K.C., Okumura, N., **Hogan, K.A.,** Lord, S.T. The Polymerization Site “a” Function Depends on the Structural Integrity of Its Nearby Calcium-Binding Site. *Ann. N.Y. Acad. Sci*., 2001, **936**:205-209.

Hogan, K.A. Lord, S.T., Okumura, N., Terasawa, F., Galanakis, D.K., Scharrer, I., Gorkun, O.V. A Functional Assay Suggests that Heterodimers Exist in Two C-Terminal Gamma Chain Dysfibrinogens: Matsumoto I and Vlissingen/Frankfurt IV. *Thromb. Haemost.* 2000, 83*:* 592-7*.*

**Hogan, K.A**. Gorkun, O.V., Coates, Lounes, K.C., A., Weisel, J.W., Hantgan, R.R., Lord, S.T. Recombinant Fibrinogen Vlissingen/Frankfurt IV: The Deletion of Residues 319 and 320 from the gamma chain of Fibrinogen Alters Calcium Binding, Fibrin Polymerization, Cross-linking, and Platelet Aggregation. *J. Biol. Chem.*, 2000, **275**: 17778-17785.

**Other (Featured in Media):**

**2020**

A news story about my winning a national teaching award.[**https://college.unc.edu/2020/10/hogan-teaching-award/**](https://college.unc.edu/2020/10/hogan-teaching-award/)

Thorp, H. Holden, (Jan 2020) Editorial: Drop the Chalk. *Science* Vol. 367, Issue 6476, pp. 345

**2019**

Podcast featuring me and my colleague, Viji Sathy: Inside Higher Ed Podcast Episode 272 (August 2019) InclusifiED teaching evaluation. <https://teachinginhighered.com/podcast/inclusified-teaching-evaluation/>

Article describing the launch of a faculty dashboard I helped to develop: New Analytics Dashboard Lets Faculty See Demographics (March 2019). <https://gazette.unc.edu/2019/03/27/new-analytics-dashboard-lets-faculty-see-class-demographics/>

**2018**

A Chronicle of Higher Education article featuring me: <https://www.chronicle.com/article/Traditional-Teaching-May/243339>

A Higher Ed Today article featuring me:<https://www.higheredtoday.org/2018/06/11/unc-chapel-hill-professor-uses-inclusive-teaching-make-class-fair/>

Podcast featuring me and my colleague, Viji Sathy: Inside Higher Ed Podcast Episode 197 (March 2018). Interactivity and Inclusivity Can Help Close the Achievement Gap <http://teachinginhighered.com/podcast/how-interactivity-and-inclusivity-can-help-close-the-achievement-gap/>

**2017**

Local magazine featuring me: <https://legacy.chapelhillmagazine.com/2017/03/07/no-two-days-are-alike-when-transforming-the-lives-of-unc-students/>

**2016**

Interactive and Inclusive Classrooms. (2016, October). Well Said Podcast. <http://www.unc.edu/spotlight/well-said-hogan-sathy/>

ACUE Course in Effective Teaching Practices (2016-). Featured Instructor in Online

Modules: Engaging Underprepared Students and Developing Fair, Consistent, and Transparent Grading Practices. <https://acue.org/acue_faculty/kelly-hogan/>

**2015**

A new York Times article referencing my published study about narrowing the achievement gap: <https://www.nytimes.com/2015/09/13/opinion/sunday/are-college-lectures-unfair.html?_r=0>

An Inside Higher Ed article featuring am AAU funded project at UNC Chapel Hill I served as a project leader and P.I on: <https://www.insidehighered.com/news/2015/08/20/aaus-push-science-teaching-yielding-results#.VdXwknLiw3M.twitter>

My Commencement Address at UNC Chapel Hill: <https://www.youtube.com/watch?v=RcCPT3KXATU>

A local newspaper featuring me: <https://www.newsobserver.com/news/business/article49444490.html>

**2014 or earlier**

A New York times article featuring my published study narrowing achievement gaps in a large science classroom: <https://www.nytimes.com/2014/09/03/education/active-learning-study.html?hp&action=click&pgtype=Homepage&version=HpSum&module=second-column-region&region=top-news&WT.nav=top-news&_r=1>

An Insight into Diversity article featuring my published study narrowing achievement gaps in a large science classroom: [http://static1.squarespace.com/static/52cf1070e4b048ae22d972b2/t/54c01c27e4b0b84e91d37e43/1421876263747/Asking+Not+Telling+%282014%29.pdf](http://static1.squarespace.com/static/52cf1070e4b048ae22d972b2/t/54c01c27e4b0b84e91d37e43/1421876263747/Asking%2BNot%2BTelling%2B%282014%29.pdf)

An Atlantic article featuring my published study narrowing achievement gaps in a large science classroom: <https://www.theatlantic.com/education/archive/2014/12/how-black-students-tend-to-learn-science/383387/>

A campus article featuring an AAU-funded campus project I helped lead: <https://gazette.unc.edu/2014/04/29/carolinas-innovative-teaching-transforms-stem-classrooms/>

My Pearson Higher Ed talk about closing an achievement gap: <https://www.youtube.com/watch?v=ZvFst7cZ8SI>

Teaching Activities

**Biology 101: Principles of Biology**. A large introductory course for both majors and non-majors sampling concepts around 1) structure and function, 2)transformations of energy and matter, 3) systems 4) evolution, and 5) information storage, transmission, and flow. High structure active learning format. Approx. 400+ students per section.

**Biology 202: Genetics and Molecular Biology.** A large introductory class for both majors and non-majors focused on concepts related to genetic information storage, transmission, and flow. Students work collaboratively to explain concepts, design experiments, analyze complex problems. High structure active learning format. Approx. 230 students per section.

**Biology 291/2: Teaching Apprentice in Biology.** Students who teach within in my other courses as peer mentors and supplemental instruction mentors follow a training curriculum plan executed by the Learning Center. Students facilitate active learning in the classroom for three hours per week and hold an extra hour or two of help sessions for students.

**Biology 395/495: Undergraduate Independent Research.** Sponsoring and grading students seeking Biology credit for research they perform in the School of Medicine at UNC. Approx 3-5 students/semester.

**Biology 444: Molecular Basis of Disease.** A small upper level course for biology majors in which students become an expert in one specific disease while peer reviewing numerous digital communication projects throughout the semester. Case studies and overarching themes of disease also included.

**Grants:**

**Improving Undergraduate Student Success in Introductory STEM** 2018-2023

**Courses Via Campus Data Systems and Targeted Support for**

**Self-Regulated Learning.**

*Role: Senior Investigator*

Source: National Science Foundation Improving Undergraduate STEM Education.

PIs: Matthew Bernacki, Jeff Greene, Abigail Panter, Kathleen Gates, Kristi Strong, Erin Windsor.

 ($1,996,489; UNC subaward $1,006,103).

**Transformative Undergraduate Self-regulated STEM Learning** 2019-22

**and Education Research.**

*Role: Senior Investigator*

Source: National Science Foundation, EHR Core Program

PIs: Matthew Bernacki, Jeff Greene, Abigail Panter, Kathleen Gates

($707,962)

**An Entrepreneurially- Minded Learning (EML)-based Engineering** 2019-22

**Program at UNC-Chapel Hill: Design and Launch**

*Role:**Assessment Team Member*

Source: Kern Family Foundation

PI: Rich Goldberg

($599,965)

**Project site grant to transform STEM education** 2013-2019

Source: American Association of Universities

*Role: Senior Investigator transitioned to P.I.*

PIs: Mike Crimmins, Kevin Guskiewicz, Laurie McNeil, Kelly Hogan

($500,000)

**Center for Genomics and Society**

Source: National Human Genome Research Institute of the NIH 2013-2014

*Role: Co-Principal Investigator*

($750,000)

**Lenovo Instructional Innovation Grant (CFE 100+)** 2010-2011

Source: Lenovo/Center For Faculty Excellence UNC

*Role: Principal Investigator*

($5,000)

**Ueltschi APPLES Service Learning Course Development Grant** 2009-2011

Source: Ueltschi Family/APPLES UNC

*Role: Prinicpal Investigator*

($3,000)

**NIH Individual NRSA**  2002-2004

Source: NIH

*Role: Principal Investigator*

($93,000)

**American Heart Association Post-doctoral Fellowship**  2001

Source: AHA

*Role: Principal Investigator*

($29,000)

**Professional Service:**

**To discipline**

Host for HHMI/NAS UNC Mobile Summer Institute for Scientific Teaching 2017-current

GlaxoSmithKline Women in Science Mentor 2014-current

*I mentor two underrepresented minority women per year*

Organizer/invited speaker and Education Fellow for the Southeast Regional 2011-2012

Summer Institute on Scientific Teaching

**Within UNC**

Department

***Academic Planning Group*** 2020- current

A group formed to advise the decision makers for Spring 2021

***Chair of Committees for Promotion to Teaching Professor*** 2019, 2020

***Co-Chair of Biology Teaching Evaluation Committee***  2019-current

Develop evaluation rubrics. Conduct peer observations and teaching dossier

reviews of all faculty in the department.

***Member of the Biology Curriculum-Revision Committee***  2019-current

Develop plans for revising the undergraduate biology curriculum

***Chair’s Advisory Next Gen Committee***  2019-current

Provide advice to the Chair about the department’s future

Campus Wide

***Provost’s Review Committee for School of Education Dean*** 2020

***Continuity of Teaching Group*** 2020- current

A campus wide group that formed to support teaching and learning

during the pandemic

***Physics Personnel Evaluation Committee*** 2020-2021

***UNC Liaison to the Bayview Alliance*** 2019-current

An international network of research universities exploring strategies to

support and sustain the widespread adoption of instructional methods that

lead to better student learning.

***Executive Advisory Board to the Chancellor’s Science Scholars Program*** 2018-current

The program helps to diversify the pipeline of students entering PhD programs

***Chair of the Board of Governor’s Teaching Award Sub-Committee*** 2016-current

***for the Provost’s University Teaching Awards***

***My Course Analytics Data (MCAD) Working Committee*** 2016- current

A dashboard tool that is being developed and piloted to bring student

demographic data to individual instructor’s course grades.

***Assessment Advisory Group for Keen*** 2018-current

A group that advises Applied and Physical Sciences in campus activities

related to the Kern Entrepreneurial Engineering Network, or KEEN network

***Advisory Group to BeAM (BeAMaker)*** 2018-current

A group that oversees the numerous makerspaces on campus to promote

design-thinking in the curriculum and in research and entrepreneurship.

***Advisory Group to Graduate School’s*** [***CIRTL***](http://gradprofdev.web.unc.edu/cirtl-unc-chapel-hill/) ***program*** 2017-current

Help bring “teaching as research” to graduate students at UNC

through UNC’s membership in the CIRTL alliance.

***Co-Director of HHMI/NAS Mobile*** [***Summer Institute***](http://summer-institute.unc.edu/) ***on*** 2017- current

***Scientific Teaching at UNC-CH***

Organized and hosted a week-long institute for science faculty from

UNC and local colleges to learn new methods in teaching

***Chair of Quantitative Reasoning Task Force***  2018

Oversaw nine faculty working towards a cohesive plan for new courses

needed to teach quantitative reasoning to more students

***Coordinating Committee for College of A&S General Ed Curriculum Redesign*** 2016-2019

The nine-member committee researches, drafts, and refines curriculum redesign

plans, and sit on other associated subcommittee groups.

***Co-Chair of Active Learning Classrooms User Group*** 2017-2018

Associated with phase 3 of development of Science Complex

***Chancellor’s Strategic Planning Committee for Modernizing*** 2016***-***2017

 ***Student Support: Subcommittee on Transitions***

***Resident Director for Biology 202 in Costa Rica*** 2016

Led ~15 students in a UNC Study Abroad program in Biology for 6 weeks

***Co-chair for Provost’s Committee on University Teaching Awards*** 2015-2016

Oversaw nine different faculty and student committees choosing campus wide awards

***OUE Committee on Undergraduate Learning Assistants*** 2015- 2016

The group collects information and provides recommendations to the

Senior Associate Dean of Undergraduate Education regarding best practices

for undergraduates to serve as peer instructors inside and outside the classroom

***Quality Enhancement Plan Steering Committee for SACSCOCS*** 2014- 2016

The planning committee sets future curriculum goals and writes a report for the

accrediting body for the undergraduate curriculum.

***Provost’s Retention Working Group: Thrive at Carolina*** 2014- 2017

The group provides ideas to the Provost for ways to budget funds to affect the retention

specifically of transfer students, STEM students, and under-represented minority students

***Advisory Board for the Center for Faculty Excellence***  2013-current

The group advises the Director of the Center in strategic planning for the Center.

Committee on Diversity in Undergraduate Education

***Project Leader for Biology in the AAU STEM education project*** 2013-2017

Helped plan mentor-apprentice scheduling for the department, mentored,

coordinated faculty learning communities, collected data for assessment of program

***Provost’s Committee on Inclusive Excellence and Diversity*** 2013-2014

A group that provides the Provost with action item recommendations around diversity

issues in all areas affecting the faculty, students, staff.

***Colonel Robinson Science Technology Engineering and Math (STEM) Scholar*** 2012- 2016

***Faculty Mentor***

I am assigned to approximately 30 students with my husband, Brian Hogan in

Chemistry. These students are on full academic scholarships. We serve to enrich

their education through one-on one and group meetings, trips, academic programs etc

***Mentor for the Graduate Student Teaching Certificate Program*** 2012- 2015

Closely mentored a graduate student in first teaching experiences through

an apprentice and coaching model.

***Co-Director for the “Entering Mentoring” Workshops at UNC*** 2012- 2014

A six-week workshop run each semester geared to graduate students, post-docs,

and new faculty that teaches trainees that good mentoring can be learned.

***Co-Chair, Task Force on Transforming Instruction in Large Lecture Courses*** 2012- 2013

The mission of the task force is to examine how we can more effectively teach large lecture

courses at UNC, paying close attention to educational technologies and faculty attitudes

and behaviors relative to educational transformations.

***Faculty Advisory Committee to the Honor Court*** 2011- 2012

A five –member faculty campus-wide committee to advise the student

run honor court by providing feedback to cases and serving as a liason

between the court and faculty.

***Carolina Scholars Faculty Mentor*** 2008 -2012

 I am assigned to approximately 20 students with my husband, Brian Hogan in

Chemistry. These students are on full academic scholarships. We serve to enrich

their education through one-on one and group meetings, trips, academic programs etc.

***Summer School Administrator for the Biology Department*** 2008-2011

Plan course listings, advertise courses, and hire instructors for approximately 15-17

courses for the summer sessions. We enroll over 1,000 students in the summer.

***CSTEP Faculty Mentor***. This is a program that helps transfer 2008-2010

students meet faculty members of their home department. Approximately 3 students/year.

***Workshop Leader*** for “How to Read a Scientific Paper”. 2006- 2008.

This is a two-part workshop that I developed for incoming UNC graduate students.

***Biology Department Graduation Committee*** 2005- current

Help organize event for 400 students and their families, prepare program,

Read names at graduation.

***Biology Department Advising Committee*** 2005-current

Help students navigate the Biology Department, plan outreach events,

such as study workshops and career panels each semester.

***Part-time Faculty Academic Advisor****,* ***Natural Sciences & Mathematics Division*** 2005-2011

Help students choose courses and careers in a one-on-one setting, sign off on

curriculum requirements, and guide first year students at summer orientation.

***Faculty Mentor for Carolina Covenant Scholars Program***2004-2008

Served as a one-on-one mentor for 15 students per year in this program.

**Invited Symposium, Lectures, and meetings**

**Hogan, K.A.** and Sathy, V. [Bring an Inclusive Mindset to Your Teaching](https://www.cirtl.net/events/880) (2020, October). CIRTL Network

**Hogan, K.A.** and Sathy, V (2020, October). *Inclusive teaching Strategies*. University of Illinois Chicago Department of Psychology.

**Hogan, K.A.** and Sathy, V (2020, October). *Virtual Faculty Symposium*. Herzing University.

[Creating an Inclusive Online learning Environment](https://community.acue.org/blog/creating-an-inclusive-online-learning-environment-webinar-recap/). (2020, October). A panel of experts, including myself, convened by ACUE.

**Hogan, K.A.** and Sathy, V. Duke University Science and Society (September 2020) [Inclusive Communication in the Science Classroom](https://www.youtube.com/watch?v=E5i9l3Bk2IY) via Zoom.

**Hogan, K.A.** and Sathy, V. (September 2020) *Strategies for Inclusive Teaching* National University of Ireland Galway via Zoom.

**Hogan, K.A.** and Sathy, V. (September 2020) *Strategies for Inclusive Teaching* Deerfield Academy, Massachussetts via Zoom.

**Hogan, K.A.** and Sathy, V. (2020, August).Invited speakers, 2020 *Teaching in a Transformed World*, University of Kansas via Zoom.

**Hogan, K.A.** and Sathy, V. (2020, July).Invited speakers, 2020 Society for Values in Higher Education Annual Meeting.

**Hogan, K.A.** and Sathy, V. (August 2020) Fall Faculty Day Virtual Inclusive Teaching Workshop

University of South Carolina Upstate

**Hogan, K.A.** and Sathy, V. (2020, June*). Strategies for Inclusive Teaching* (transitioned to online) Invited keynote speakers, Syracuse University, Syracuse, NY.

**Hogan, K.A.** and Sathy, V. (2020, May*). Strategies for Inclusive Teaching* Invited keynote speakers for the Invest in Nursing Faculty Fellowship Workshop (transitioned to online), Chapel Hill, NC

**The Short- and Long-term Impact of COVID-19 on Higher Education; a press briefing webinar.** A [panel of experts](https://www.youtube.com/watch?v=ErbCk8BtGDg&feature=youtu.be), including me, convened by UNC Kenan-Flagler Business School and its affiliated Kenan Institute of Private Enterprise. April 21, 2020.

**Hogan, K.A.** and Sathy, V. (2020, April*). Inclusive Teaching in the Online Classroom.* Invited panelists for webinar with the Chronicle of Higher Education

**Hogan, K.A**. (2020, March). *Strategies of Inclusive Teaching.* Invited Keynote at the Engaging Undergraduates: Transformative Strategies workshop. University of New Mexico, Albuquerque, NM

**Hogan, K.A**. and Sathy, V. (2020, February). *Meeting Students Where They Are: Equitable Teaching Approaches* Invited keynote, 2020 UNC System Student Success Conference, Chapel Hill, NC.

**Hogan, K.A.** and Sathy, V. (2020, January). *Creating Inclusive and Welcoming Classroom Environments Using Evidence-Based Teaching Strategies* Invited speakers, AAU Undergraduate STEM Education Initiative STEM Network Conference, Washington, D.C.

**Hogan, K.A.** and Sathy, V. (2020, January). *Inclusive Teaching Workshop* Invited speakers at Faculty Development Day, NC A&T, Greensboro, NC.

**Hogan, K.A.** and Sathy, V. (2020, January). *Creating Inclusive and Welcoming Classroom Environments*

Invited Plenary Speaker, Annual Meeting of National Institute on the Teaching of Psychology. St. Pete Beach, FL.

Henshaw, B**.,** Sathy, V., **Hogan, K.A.,** and Clarke, D. (2019, November). *Using Student Diversity Data to Help Faculty Improve Their Courses.* POD Network, Pittsburgh, PA.

Raković, M., Bernacki, M. L., Plumley R. D., Gates, K. M., **Hogan, K. A**., Panter, A.T., Greene, J. A. (2019). *Recursive, updated prediction of students likely to perform poorly, and potential data-driven, theory-aligned ways to support them.* Proposal submitted for presentation at the 2020 annual meeting of the Learning Analytics & Knowledge Conference, Frankfurt, Germany.

Plumley R. D., Bernacki, M. L., Raković, M., Urban, C. J., Gates, K. M., **Hogan, K. A**., Panter, A. T., Greene, J. A. (2019). *Optimizing the accuracy and fairness of a predictive model across multiple demographic groups.* Proposal submitted for presentation at the 2020 annual meeting of the Learning Analytics & Knowledge Conference, Frankfurt, Germany.

**Kelly A. Hogan** *Concrete Strategies for Inclusive Teaching in Any Size Classroom* (October, 2019) Scientific Teaching in Practice Webinar Series, Summer Institutes on Scientific Teaching, Hosted by Yale, New Haven, CT.

# Kelly A. Hogan and Viji Sathy (August, 2019). *Leveraging Technology.* Invited speakers, Washington and Lee University, Lexington, VA.

# Kelly A. Hogan and Viji Sathy (August, 2019). *Inclusive Teaching Workshop and Preparing and Developing Lesson Plans.* Invited speakers, Guildford Tech Community College, Greensboro, NC.

**Hogan, K.A.** Bruno, J.F., Steinwand, B.J, Sathy, V. Robertson, S., Nairi, M., Strauss, C., Hutson, B.(July 2019) *Do faculty in a college-wide CURE program achieve the design goals they planned via a year-long faculty learning community?* Presentation at the Society for the Advancement of Biology Education, Minneapolis, MN.

# Kelly A. Hogan and Viji Sathy (May, 2019). *Inclusive Teaching.* Invited speakers, University of Notre Dame, Notre Dame, IN.

# Kelly A. Hogan and Viji Sathy (May, 2019). *Inclusive Teaching.* Invited speakers, Point Loma Nazarene University, San Diego, CA.

**Kelly A. Hogan** and Doug James (May, 2019) *Best practices in Peer Review of Teaching*. UNC Psychology Department.

**Kelly A. Hogan** andViji Sathy (April 2019). Strategies for Creating *Inclusive and Welcoming Classroom*

*Environments*. Invited webinar workshop for Foundational Course Initiative, University

of Michigan at Ann Arbor, MI.

# Kelly A. Hogan and Viji Sathy (March 2019). *Cultivating Equitable Learning Environments through*

# *Inclusive Teaching.* Invited speakers, Rice University, Houston, TX.

# Kelly A. Hogan and Viji Sathy (March 2019). *Promoting Equity Through Inclusive Teaching Practices.* Invited speakers, University of Arizona, Tucson, AZ.

**Kelly A. Hogan** and Korene Gbozah (March 2019) *Including all Learners in Introductory STEM courses.* Invited Talk for a Women in Science Series hosted by Glaxo Smith Kline,

# Kelly A. Hogan and Viji Sathy (February 2019). *Cultivating Equitable Learning Environments through Inclusive Teaching.* Invited speakers, Yale University, New Haven, CT.

**Kelly A. Hogan** and Viji Sathy (February 2019). *Creating Equality and Promoting Success in Large Class Learning Environments*. Invited keynote Symposium on Teaching Large Classes, Virginia Polytechnic Institute and State University, Blacksburg, VA.

**Kelly A. Hogan** (February 2019) *Active Learning*. Workshop for faculty in the Integrated Curricula Program at UNC.

**Kelly A. Hogan** and Viji Sathy (January 2019). *Inclusive Teaching Practices*. Invited speakers, Penn State University College of Mechanical Engineering and College of Architectural Engineering, State College, PA.

**Kelly A. Hogan** and Viji Sathy (January 2019). *Inclusive Teaching Workshop*. Invited speakers, Indiana University, Kokomo, IN.

**Kelly A. Hogan** and Viji Sathy (December 2019). *Inclusive Classrooms*. Invited webinar workshop,

Arizona State University, Tempe, AZ.

**Kelly A. Hogan** and Viji Sathy (November 2018). *Inclusive Teaching Practices*. Invited speakers, Salt

Lake City Community College, UT.

**Kelly A. Hogan** and Viji Sathy (October 2018). *Creating Inclusive and Welcoming Classroom*

*Environments*. Invited speakers, AAU Undergraduate STEM Education Initiative Effective

STEM Education: The Role of the Academic Department and Department Chair, CA.

**Kelly A. Hogan** and Viji Sathy (October 2018). *Cultivating Equitable Learning Environments Through*

*Inclusive Teaching*. Invited speakers, Manhattan College, NY.

**Kelly A. Hogan** and Viji Sathy (September 2018). *Improving Teaching Through Active and Inclusive Instructional Design*. Invited speakers, UNC-CH School of Dentistry.

**Kelly A. Hogan** and Viji Sathy (September 2018). *Inclusive Teaching Techniques*. Invited speakers, Sam Houston State University, TX.

**Kelly A. Hogan** and Viji Sathy (August 2018) *Inclusive Teaching in Higher Education*. Invited keynote, Rider University, NJ.

**Kelly A. Hogan** and Viji Sathy (June 2018) *Designing Your Course: Active Learning Kick-Off.*

Keynote speakers, TIBBS Teaching Series, University of North Carolina at Chapel Hill.

Urban, C. J., Bernacki, M. L., Plumley, R.D., Gates, K. M., Demetriou, C., Panter, A. T., **Hogan, K. A.,** & Greene, J. A. (2018, May). A *supervised data mining approach for identifying behavior sequences related to academic performance*. Poster presented at the Modern Modeling Methods Conference, Storrs, Connecticut.

“Using the MCAD Dashboard to Build a More Inclusive Classroom” **Kelly A Hogan**, Viji Sathy, Phil Edwards, Center for Faculty Excellence, UNC, Chapel Hill, NC. May 2, 2018 (cfe.unc.edu/mcad)

“Preparing the New Graduate for Success” **Kelly A Hogan**. Chancellor’s Philanthropic Council, Chapel Hill, NC. April 20, 2018

“Inclusive Teaching through Active Learning” **Kelly A Hogan**, Viji Sathy. University of Pennsylvania. April 9, 2018

Large Scale Implementation of CUREs” **Kelly A Hogan**, Bryant Hutson. UNC System Wide Undergraduate Research Development Summit, Greensboro, NC March 24, 2018

“Using the MCAD Dashboard to Build a More Inclusive Classroom” **Kelly A Hogan**, Viji Sathy, Phil Edwards, Center for Faculty Excellence, UNC, Chapel Hill, NC. March 7, 2018

“A hands-on approach to promote equity and inclusion in your classroom.” Keynote address. Kelly Hogan and Viji Sathy. Durham Tech Community College, Durham, NC March 6, 2018

“IDEAS in Action Curriculum” **Kelly A Hogan** and Viji Sathy. Parents Council. Chapel Hill, NC February 24, 2018.

“IDEAS in Action Curriculum” **Kelly A Hogan** and Viji Sathy. Arts and Sciences Think Tank. Chapel Hill, NC February 23, 2018.

“Applying Research on What Works to Improve Undergraduate Science Education: Examples from the AAU Undergraduate STEM Initiative” Emily Miller, **Kelly A Hogan**, Gina Frey, Danny Caballero. AAAS Annual Meeting. Austin, Texas, February 17, 2018.

“How Technology Changed my Teaching” **Kelly A Hogan**, UNC Summer School. Chapel Hill, NC, January 26, 2018.

“Inclusive Teaching that Increases Achievement for All Science Students**” Kelly A Hogan**. Teaching with Technology, Hunter College, NY, NY, Nov 4, 2017.

“Workshop: Structuring the Classroom for Inclusive Teaching” **Kelly A Hogan** and Viji Sathy. Howard Hughes Medical Institute Collaboratory at Duke University, Durham, NC, Oct 23, 2017.

“Student Learning Outcomes” **Kelly A. Hogan** (UNC) and John Targan (Brown University);

 AAU Undergraduate STEM Education Initiative, Washington D.C., October 2, 2017

“Training University Faculty to Improve Student Learning Outcomes in Quantitative Courses” Abigail T. Panter, Viji Sathy, Noah Griefer, Tate Halverson, **Kelly A Hogan**, Linda Green, Richard McLaughlin, Matt Osment, Molly Sutphen, & Cynthia Demetriou, American Psychological Association Annual Convention, August 4, 2017

“Opening More Gates in Gateway Science Courses” **Kelly A Hogan**, [*Toward a Carolina Improvement Science Initiative: A Lightning Symposium*](http://cisils.web.unc.edu/2017-lightning-talks/)***,* University of North Carolina May 19, 2017**

“Including everyone in the Learning”. **Kelly A Hogan** University of Memphis, Memphis, Tennesee. Biology Department. May 24, 2017

“Creating Scientists: Seafood Forensics”. **Kelly A Hogan**, Blaire Steinwand, John Bruno. UNC College of Arts and Sciences Foundation, May 4, 2017.

“Scaling up CUREs and Beyond”, **Kelly A Hogan**, UNC System CURE Summit, UNC Greensboro, Greensboro NC. April 30, 2017.

“Inclusive Classrooms” **Kelly A Hogan**, Viji Sathy, Erin Malloy. UNC Center for Faculty Excellence’s Faculty Showcase. Chapel Hill, NC, April 24, 2017.

“Including everyone in the Learning” . **Kelly A Hogan** Radford College, Radford, Virginia. Biology Department. April 3, 2017

“Including everyone in the Learning”. **Kelly A Hog**an, Bellevue College, Seattle, Washington. March 10, 2017

“Inclusive teaching” **Kelly A Hogan** and Viji Sathy. UNC School of Public Health, Chapel Hill, NC. January 27, 2017.

“What does it take to change culture around teaching in the sciences?” **Kelly A Hogan** and Danielle Jamieson, UNC School of Medicine, Academy of Educators, November 28, 2016

“Removing the Hierarchy structure within Faculty Ranks to Disseminate Wide-Scale Pedagogy and Curriculum Reform.” **Kelly A Hogan** and Blaire J Steinwand. National Association of Biology Teachers National Conference, Denver, Colorado. November 5, 2016.

“Workshop: Structuring the Classroom for Inclusive Teaching” **Kelly A Hogan** and Viji Sathy. Howard Hughes Medical Institute Collaboratory at Duke University, Durham, NC. October 28, 2016

“Driving Global Learning in the Science Classroom. Zika: A Global Problem in our Own Backyards”. **Kelly A Hogan**, World View K-12 Global Education Symposium, UNC Friday Center, Chapel Hill, NC. October 20, 2016.

“Including everyone in Learning in the Sciences”, **Kelly A Hogan**, The College of New Jersey, Ewing, NJ. October 12, 2016

“How we’re increasing achievement for all students in the sciences and beyond” **Kelly A Hogan**, Chapel Hill Rotary Club, Chapel Hill, NC. September 9, 2016

“Workshop: Structuring the Classroom for Inclusive Teaching” **Kelly A Hogan** and Viji Sathy. Teaching and Learning Conference (TLC16) at Elon University, Elon, NC. August 18, 2016

“Inclusive Teaching Workshop Part 1: Inequity in the Classroom and Stereotype Threat.” **Kelly A Hogan** and Keith Payne. UNC Chapel Hill. March 31, 2016.

“Carolina” **Kelly A Hogan** Invited Keynote Speaker at Scholars Day UNC. Scholarships and Student Aid, March 6, 2016

“Tips for Transforming Instructor Centered Classes into Learner centered Experiences for Non-Majors Biology” Pearson Webinar. **Kelly A Hogan** and Eric J. Simon. February 18, 2016.

“Increasing Achievement for All Students at Carolina” **Kelly A Hogan** Invited Speaker to Houston Alumni Group. February 16, 2016.

“Increasing Achievement for All Students: In Three Steps.” **Kelly A Hogan** Invited Speaker at Campbell Law School, Raleigh, NC; February 9, 2016.

“December Commencement Address”, UNC-Chapel Hill. **Kelly A Hogan** Dean Dome, December 13, 2015. <https://www.youtube.com/watch?v=RcCPT3KXATU>

“What’s Working Well in Course Redesign.” **Kelly A. Hogan** and Julie Waldrop. UNC CFE’s Faculty Showcase. November 13, 2015.

“How We’re Increasing Achievement for ALL Students in the Sciences and Beyond at Carolina” **Kelly A Hogan** Invited talk to Carolina Alumni Board, Oct 17, 2015.

“Including Everyone in Learning in the Classroom” **Kelly A Hogan** Invited speaker at East Carolina University, September 3, 2015

“Advancing Evidence-Based Teaching in Gateway Science Courses in Three Departments through a Mentor-Apprentice Model **Kelly A. Hogan**, Jennifer Krumper, Laurie E. McNeil, Michael T. Crimmins; Society for the Advancement of Biology Education Research, National Meeting, Minneapolis, July 2015

“Professor’s Perspective.” **Kelly A Hogan** UNC Summer Orientation Talk for students and parents June 2, 2015.

“Why Accountability is Necessary When Implementing Active Learning” **Kelly A Hogan** Invited speaker at UNC Department of Psychology, April 29, 2015.

“Engaging Tomorrow’s Scientists”. **Kelly A Hogan** and Mike Crimmins. Invited speaker at UNC Department of Math April 20, 2015.

“How I Increased achievement for all students in my introductory biology course.” **Kelly A Hogan** Invited speaker at North Carolina A&T, April 16, 2015.

“Engaging Tomorrow’s Scientists.” **Kelly A Hogan** UNC College of the Arts and Sciences Chairs meeting. March 25, 2015

“How I Increased achievement for all students in my introductory biology course.” **Kelly A Hogan** Invited speaker at Morraine Valley Community College System, Palos Hills, Illinois, March 17, 2015.

 “How I Increased achievement for all students in my introductory biology course.” **Kelly A Hogan**

Wayne County Community College System, Detroit, Michigan Feb 6th, 2015.

“Engaging Tomorrow’s Scientists.” **Kelly A Hogan** Invited speaker for the University of North Carolina’s Board of Trustees meeting. September 25, 2014

 “Reforming ‘Gateway’ Science Courses through a Mentor-Apprentice Model.” **Kelly A Hogan** Invited speaker at the Transforming Institutions: 21st Century Undergraduate STEM Education. Oct 23, 2014

“From Traditional Lecturer to Change Agent.” 2014. **Kelly A Hogan** Invited speaker for the Department of Developmental and Cell Biology. University of California Irvine.

“Improving Student Success with a High Structured Model of Learning.”

**Kelly A Hogan** Invited workshop speaker at the University of North Carolina School of Medicine, March 25, 2014

Enliven your Classroom with Instructor Exchange **Kelly A Hogan** and Eric Simon (Biology, New England College) National Association of Biology Teachers (NABT) National Meeting, November 22, 2013

A case for the more structured Classroom. 2013. **Kelly A Hogan** and Viji Sathy (UNC Psychology) for the UNC System General Administration

“How and For Whom Does Active Learning Work?” **Kelly A Hogan** Poster presentation at the SABER, July 2013.

“Inclusive Teaching” **Kelly A Hogan** Workshop leader for the National Academies Regional Summer Institute at the University of Georgia. 2013.

“Restructuring a large, introductory course to help underrepresented minority and first-generation students perform better.” **Kelly A Hogan** Poster presentation at the SABER 2012 meeting.

“The Extroverted Storyteller *vs*. the Introverted Nurturer. Different Approaches to Building Rapport.” **Kelly A Hogan** and Jeannie Loeb (Psychology Department, UNC) at the Lily Conference. Greensboro, 2012.

"Evaluation of a Large Undergraduate Lecture Course Redesigned to Promote Engagement". **Kelly A Hogan** . Invited speaker for the UNC Gillings School of Public Health, as part of a series in new teaching practices. 2012

 “Engaging Students in Large Classes”. **Kelly A Hogan** Invited speaker for the UNC Center for Faculty Excellence’s Faculty Showcase, 2011.

 “Poll Everywhere Pilot”. **Kelly A Hogan** Invited speaker at the TRI-IT instructional technology meeting for professionals from Triangle and Triad area universities, including UNC-CH, Duke, NCSU, NCCU, and Wake Forest. 2010.

 “Using online learning activities to transform the classroom experience” **Kelly A Hogan** Invited speaker for the inaugural Shift+Control+TEACH symposium at UNC-CH. 2010

 “Students Please Turn your Cell Phones On.” **Kelly A Hogan** Invited speaker in the Teaching and Learning with Technology Collaborative (TLTC) seminar series. UNC, 2010.