

## Teaching Portfolio

I am actively involved in teaching throughout the continuum of higher education – from undergraduate, to graduate school, to medical school, to residency, to fellowship – and in continuing education for faculty level physicians. To quote the words of my trainees: “She is a great teacher. Dr. X has a care and compassion for her patients that I haven’t seen in a lot of faculty as of yet. I hope that I one day can be like her. She is always reachable and approachable;” “her enthusiasm, teaching, and advice have been so influential to my training. More importantly, she has been a role model for the type of physician and person I continually aspire to be. I am better because of her teaching.” I believe my dedication to education and mentorship is reflected in my commitment to widespread dissemination of knowledge within my field through publications, presentations, and educational program development, and perhaps most importantly, in the establishment of mentoring programs:

(1) Written and Didactic Activities: I have written 9 review articles and authored 22 book chapters. In addition, I am frequently invited to present on transplant-related topics as a visiting professor at many prestigious academic centers around the US and at international transplant meetings (122 in total; see clinical portfolio for a summary). My expertise is highly reputed in the national and international transplant community, as evidenced by invited peer review for extremely high impact journals, invited memberships in national and international advisory communities, and standing membership on the NIDDK study section (DDK-D) focused on career development awards. I am an Associate Editor for *Transplantation* and the *American Journal of Transplantation*, an editorial board member for *Annals of Surgery*, and am a regular peer reviewer for the *Journal of the American Society of Nephrology*, the *American Journal of Transplantation*, and *The New England Journal of Medicine* to name a few.

(2) Educational Programming: I have developed multiple educational programs – locally, nationally, and internationally - on various transplant and health services research related topics.

- National Course Development (SPIRE Learning) – “Overcoming Obstacles for the Sensitized Recipient” – designed to teach transplant centers across the US how to build and grow an incompatible transplant program
  - Developed a didactic course
  - Developed an on-line educational model
  - Developed a pre and post –test of competency
  - Approved for category 1 CME
- UAB MD Learning Channel Video Series (7 separate videos) – used by referring physicians to better understand the benefits and mechanics of incompatible kidney transplantation
- American Society of Transplantation / National Kidney Foundation Transplant Nephrology Core Curriculum (TNCC) – Perioperative Management of the Transplant Recipient
- National Course Development (American Society of Transplant Surgeons) – “Pathway to Cultural Dexterity: Impact on Patient Care and Our Workforce Pipeline”
  - ASTS Fellows Symposium lecture
  - ASTS Program Directors Symposium lecture
  - ASTS Academic Universe learning module
- National Course Development (American Society of Transplantation) – Fellows symposium
  - Antibody mediated rejection
  - Genetics and transplantation
  - Living donation
  - Surgical complications
- International Course Development (The Transplantation Society) – Post-graduate course in clinical transplantation

- International Course Development (University of Cape Town, Cape Town, South Africa) – didactic and hands course for building out health services / epidemiologic research in low/middle income countries

(3) Mentorship: I believe my most durable educational legacy to date is participation in and establishment of mentorship programs. The productivity and success of my trainees reflect this legacy:

- Young Investigators
  - Mentored 29 investigators across the higher education continuum to-date
    - Pre-doctoral societal fellowship grants (2)
    - Post-doctoral societal fellowship grants
    - 1 KL2 awardee
    - 1 T35 awardee
    - 2 T32 awardees
  - Served on 4 PhD thesis committees
  - Served as mentor on 2 PhD dissertations
- NIH funding for sustained mentorship activities
  - NIH / NIDDK T35 DK116670 (multi-PIs: Locke / Chen) - Proposal: Short-Term Research Experiences Advancing Medical Students (STREAMS) (funded)
- Student and Resident Education
  - Mock oral board examiner for general surgery residents
  - Medical Student Clerkship Preceptor
  - MSTP 795 Preceptor
  - Mentor and speaker for the UAB Chapter of the American Physician Scientist Association
  - Preceptor in the PARAdiGM Mentoring Program for underrepresented minority undergraduates
  - Preceptor for UAB CCTS Summer Training Program
  - Preceptor for UAB KURE Summer Training Program
  - Preceptor for UAB STREAMS Summer Training Program
- UAB Comprehensive Transplant Institute Outcomes Research Center's Summer Enrichment Program
  - The goal of the program has been to expose undergraduate and graduate/medical students to the field of transplantation, by involving them in transplant-related research projects as well as the clinical care of transplant patients.
  - Each student is assigned a topic and over the course of the program takes the research idea from conception to completion with the end goals of a national presentation and a published manuscript.
  - To-date 21 students have participated, representing UAB, University of Alabama, UAB School of Medicine, Wellesley College, and Johns Hopkins University o Program participants have produced:
    - 34 published abstracts, 6 published manuscripts, 8 manuscripts in preparation
    - Won several "Poster of Distinction" awards at the American Transplant Congress and American Society of Transplant Surgeons Winter Symposium
    - Presented at local and national meetings (e.g. UAB Medical Student Research Day, American Transplant Congress, and the American Society of Transplant Surgeons Winter Symposium)