Nanomedicine and BioMedical Engineering Scholarly Concentration

- **Director**: David E. Volk (David.Volk@uth.tmc.edu)
- **Administrative coordinator**: Scott Riley (John.S.Riley@uth.tmc.edu)
- **Mission**: To introduce students to the field of Nanomedicine and the vast opportunities it provides for enhanced therapeutics, personalized medicine, medical diagnostics, imaging, screening, prevention and regenerative medicine.
- **This concentration is designed** to enhance the knowledge and training of medical students interested in translational and basic science research in Nanomedicine and Biomedical Engineering (nBME). Our goal is to educate and prepare medical students to learn emerging new technologies in biomedical nanotechnology and engineering through seminars, hands on tutorials, and research conducted with one or more of our faculty. The nBME concentration was generated in conjunction with our Texas Center for Cancer Nanomedicine program. Faculty mentors are members of the former Department of nBME and collaborators with common research goals and/or shared funding on major center and departmental grants.
- **Maximum number of new students/year**: 6
Requirements

Year 1
• summer – attend scheduled nBME Scholarly Concentration seminars and tutorials (8 to 10)
• Summer – 10 weeks research

Year 2
• attend faculty mentor group meetings, continue research

Year 3
• manuscript/poster preparation
• present project at a meeting (e.g. BMES, AACR, CRS) – if mentor has funds for this
• attend mentor’s lab meetings and relevant seminars

Year 4
• manuscript presentation and submission
NBME Scholarly Concentration
Faculty Participants

David Volk (Director)
Anath Annapragada (TCH)
Catherine Ambrose
Pratip Battacharya (MDACC)
Vittorio Cristini
Steve Curley (BCM)
Ponnada Narayana
Richard Smalling
Laura Smith Callahan
Anil Sood (MDACC)
Hongyu Wang