

Nanomedicine and BioMedical Engineering Scholarly Concentration

- **Director:** Rachel W. Sirianni (Rachael.W.Sirianni@uth.tmc.edu)
- **Administrative coordinator:** Scott Riley (John.S.Riley@uth.tmc.edu)
- **Mission:** To introduce students to the field of Nanomedicine and Biomedical Engineering and the vast opportunities it provides for enhanced therapeutics, personalized medicine, medical diagnostics, imaging, screening, prevention, regenerative medicine, and other areas.
- **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 inter-departmental faculty.
- **Maximum number of new students/year: 6**

Requirements

Year 1

- Identify a faculty mentor and a project
- summer – Attend nBME Scholarly Concentration Summer Seminar Series
- Summer – 10 weeks research
- Consider applying also to the Summer Research Program.

Year 2

- Attend faculty mentor lab meetings,
- Continue research

Year 3

- 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/poster preparation
- manuscript presentation and submission

NBME Scholarly Concentration Faculty Participants

[Rachel W. Sirianni](#) (Director)

[Ananth Annapragada](#) (TCH)

[Catherine Ambrose](#)

[Pratip Bhattacharya](#) (MDACC)

[Melvin Klegerman](#)

[Ponnada Narayana](#)

[Richard Smalling](#)

[Anil Sood](#) (MDACC)

[Hongyu Wang](#)