



Chaya Gopalan, PhD
Associate Professor
Kinesiology/Nursing
Southern Illinois University, Edwardsville
cgopala@siue.edu
618-650-5372

1. What are your current 3 main areas of research?

- Role of gonadal steroids in the regulation of brain differentiation
- Innovative teaching methodologies
- Evidence-based teaching

2. What are the top 3 areas of expertise/tools you are looking for in a research collaborator?

- Imaging technique to be used in the neurobiology research
- Receptor quantification in the brain other than western blot
- Measurement of steroid hormones in the brain tissue

3. What 3 skills/tools that you have access to, are you willing to share with a potential research collaborator?

- Animal surgeries/techniques in neurobiology/reproductive neuroendocrinology areas: stereotaxy, ovariectomy, orchietomy
- Freeze microtome sectioning, micropunching, HPLC with electrochemical detection
- Flipped classroom and other educational research study design