

## EDUCATION

**2006**

Bachelor's in Biotechnology from  
R. V. College of Engineering, Bangalore, India

**2010**

Master's degree in Dr. Jason Meyer's lab

- Assisted in lab set-up and established 3 projects in lab
- Established xeno-free protocols to generate retinal cells

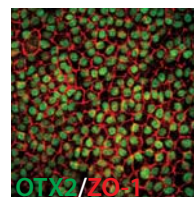
**2012**

PhD degree in Dr. Meyer's lab

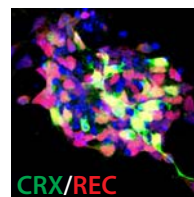
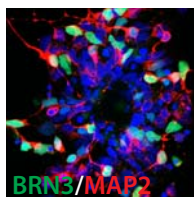
- Established 3 mRNA-reprogrammed cell lines
- Generated 3-dimensional retinal organoids
- Generated astrocytes from wildtype and patient cells

**2017** Expected graduation - Summer 2017

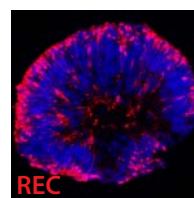
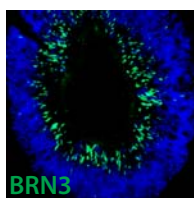
## RESEARCH HIGHLIGHTS



Retinal cells (L) & Retinal Pigmented Epithelium (R) derived using xeno-free protocols



Ganglion cells (L) & photoreceptors (R) generated from mRNA-reprogrammed lines



3D Retinal organoids derived from stem cells (Thesis project)

## RESEARCH AND TECHNICAL SKILLS

### Molecular Biology

- Immunocytochemistry
- Cloning
- qRT-PCR
- DNA/RNA extractions
- Confocal Microscopy
- 3D printing

### Cell Culture

- Stem Cell culture
- Human ES and iPS
- iPS reprogramming
- Neural differentiation
- CRISPR-Cas9 gene editing

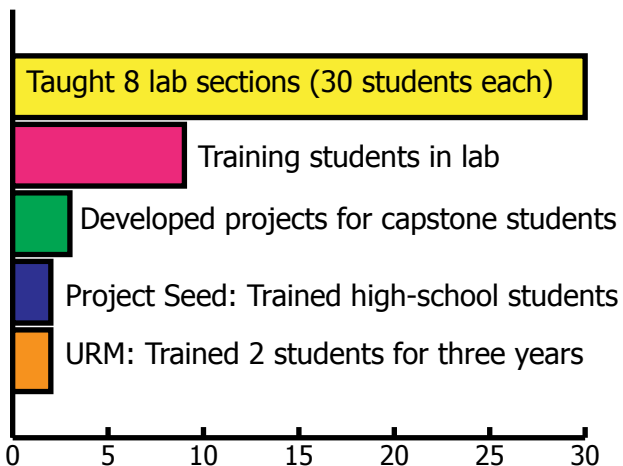
### Software

- Adobe Photoshop
- Adobe Illustrator
- Image J
- Microsoft Office
- LaTeX and Overleaf

### Personal Skills

- Team worker
- Critical thinker
- Research Mentor
- Project leader
- Multitasker

## TEACHING AND MENTORING



## RESEARCH PRESENTATIONS



- Posters presented at Association for Research in Vision and Ophthalmology
- Regions talks and posters
- Posters at Society For Neuroscience Annual meeting
- Cold Spring Harbor Stem Cell Meeting
- International Meeting for Stem Cell Research

## PUBLICATIONS

1. **Sridhar A**, Ohlemacher SK, Langer KB, Meyer JS. Stem cells Transl Med 2016 Apr;5(4):417-26
2. Ohlemacher S, **Sridhar A**, Xiao Y, Hochstetler AE, Sarfarazi M, Cummins TR, Meyer JS. Stem Cells 2016 Mar:10.1002
3. Ohlemacher SK, Iglesias CL, **Sridhar A**, Gamm DM, Meyer JS. Curr. Prtcls. in Stem Cell Bio. 2015. 32:1H.8.1-1H.8.20.
4. **Sridhar A**, Steward MM, Meyer JS. Stem Cells Transl med. 2013;2:255-264
5. Steward MM, **Sridhar A**, Meyer JS. Curr Top Microbiol Immunol. 2013;367:163-191.