

# Visiting Scholar Series: Dr. Tarik Haydar



## September 17-18, 2025

Dr. Haydar received his doctorate at the University of Maryland School of Medicine working on brain development in the Trisomy 16 mouse model of Down syndrome with Dr. Bruce Krueger. He completed postdoctoral studies at Yale University with Dr. Pasko Rakic examining control of forebrain neural precursor development and then started his independent laboratory at Children's National Medical Center in Washington D.C. in 2002.

Dr. Haydar joined the Anatomy & Neurobiology Department at BUSM in 2010 where he maintains a vibrant laboratory using state-of-the-art molecular and surgical techniques to study mammalian brain development. Using in utero electroporation, in vivo genetic fate mapping and cell ablation techniques, this project is focused on how the multiple populations of neural stem cells and progenitor cells in the embryonic brain are lineally related and how their combined output leads to proper forebrain development. In addition, the lab is focusing on brain development and function in trisomy mouse models of Down syndrome using cellular, molecular and behavioral techniques. Dr. Haydar's research is funded by the NIH (NINDS and NICHD). See below for his visit schedule!

### VISIT SCHEDULE

9.17	12:00-1:30 PM   Lunch with trainees at CLS 403 3:00-4:00 PM   Seminar: <b>Mechanisms of early cortical development impacting the etiology of intellectual disabilities</b> at the Walsh Conference Room in Barnwell College!
9.18	9:00-10:00 AM   Breakfast at SOM, room D27



Scan to RSVP!



**Tarik Haydar, PhD**

Chair, Boston University  
Chobanian & Avedisian  
School of Medicine