



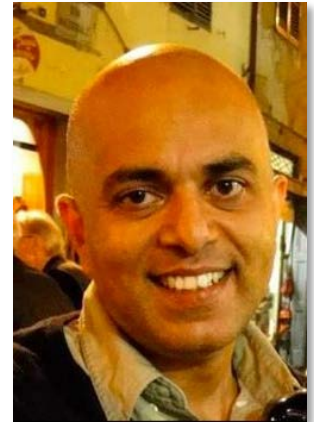
## The Department of Nutritional Sciences Spring 2023 Seminar Series

### "Sensing and metabolism of lipids by the mTOR-Autophagy axis"

**Rajat Singh, M.D.**

Professor of Medicine  
UCLA/Albert Einstein College of Medicine

Host: Tracy Anthony, Ph.D.  
Professor of Nutritional Sciences, Rutgers



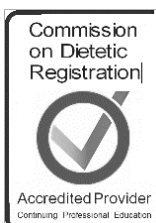
**Wednesday, March 8, 2023 @ 2:15 PM**

**FSNS Building 65 Dudley Road, New Brunswick, Room 120**

<https://go.rutgers.edu/Singh-Seminar>



Autophagy degrades cellular lipid stores via a process called lipophagy; however, the identity of lipophagy receptors for selective recognition of fat droplets remains unknown. It is also unclear how cellular lipids are sensed in vivo, and how cells cope with excess influx of lipids, as observed in livers in response to a fast. The seminar discusses these unanswered questions as well as novel mechanisms by which the mTOR-autophagy axis senses and metabolizes cellular lipids.



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