Department of Biomedical Sciences

presents a Seminar

Building and regenerating the vertebrate retina

Prof. Seth Blackshaw
Johns Hopkins University School of Medicine

Date : 9 June 2023 (Friday)
Time : 2:30pm – 4:00pm
Venue : LT-8 F.A.M. Lecture Theatre (YEUNG), Yeung Kin Man Academic Building

About the Speaker

Seth Blackshaw received his B.A. and M.S. in biochemistry in 1991 and his PhD in Neuroscience from Johns Hopkins School of Medicine in 1997, working with Solomon Snyder. He performed postdoctoral research with Connie Cepko at Harvard Medical School, and was appointed Assistant Professor of Neuroscience at Johns Hopkins School of Medicine in 2004, where he is now full Professor. Throughout his career, his research has applied unbiased high-throughput approaches to comprehensively characterize molecular mechanisms controlling neural development and disease. His work has focused on identifying causative genes for retinal dystrophies, gene regulatory networks controlling cell fate specification, injury-induced glial-derived neurogenesis, and aging in the retina and hypothalamus, as well as identification of neural circuitry controlling homeostatic regulation of sleep. His group co-developed the Human Proteome Microarray, which consists of 22,000 full-length unique proteins, and developed splicing-linked expression design (SLED), which enables selective targeting of viral gene therapy vectors to specific cell types and disease states based on patterns of alternative splicing. He is the co-founder of CDI Labs and Boolean Therapeutics, LLC. He has received numerous awards for his research, including the Sloan Foundation Research Fellowship, the W. M. Keck Foundation Distinguished Young Scholar in Medical Research Award, the Stein Innovation Award from Research to Prevent Blindness, and the inaugural Milky Way Research Foundation Award for Rejuvenation Research.

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All are welcome!