



Forscherguppe 1075

Regulation und Pathologie von
homöostatischen Prozessen
der visuellen Funktion

Vortragsankündigung

“The diverse role of RDS in rod versus cone outer segment morphogenesis and the application of non-viral therapy”

Professor Muna Naash

University of Oklahoma Health Sciences Center

Am Montag, 07. September 2009 um 18.00 Uhr
Klinikum der Universität, Seminarraum A2



After earning her bachelor's and master's degrees from the University of Baghdad College of Science, Muna Naash came to the United States where she did her predoctoral and postdoctoral fellowships at Baylor College of Medicine in Houston. She joined the University of Illinois at Chicago for eight years before she became Professor at the Department of Cell Biology and Oklahoma Center for Neuroscience. She serves as director of the Cell Biology Graduate Program at this institution and is a member of the NIH Study Section. A main focus of her research is to characterize the functional role of photoreceptor specific tetraspanin proteins, retinal degeneration slow (RDS) and rod membrane protein-1 (Rom-1), in outer segment morphogenesis and maintenances. A second main focus is related to the development of therapeutic interventions to combat loss of vision in several animal models of ocular diseases. To this end, she is using self-compacted DNA nanotechnology, mini-circle vectors, self-replicating vectors, and helper-independent Sleeping Beauty Transposon-Transposase vectors to develop nonviral and effective therapeutic strategies for ocular diseases.



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