

# Manoj Balakrishna Menon

## Research Interests

Protein kinases & Cell Signaling, Cell Death pathways, Cytoskeleton and Autophagy

## Academic positions

**05/2019 onwards** : Assistant Professor, KSBS, IIT Delhi

**12/2018 – 04/2019** : *Privatdozent*, Hannover Medical School, Germany

**08/2015 – 10/2015** : Guest Researcher, National University of Singapore

**06/2010 – 04/2019** : Post-doctoral Staff Scientist, Biochemistry, Hannover Medical School



## Education

**2018** Habilitation in Biochemistry, Hannover Medical School, Germany

**2010** PhD Molecular Medicine, Hannover Biomedical Research School, Germany

**2006** MSc Microbial Gene Technology, Madurai Kamaraj University, India

**2004** BSc Biotechnology, Bangalore University, India

## Awards & Achievements

**2018-2021** Research Grant from German Research Foundation (DFG) – worth 220000 € (#ME 4319/3-1).

**2018** **Sir Hans Krebs Prize** - Nation-wide prize for basic biomedical research in Germany (10000€)

**2017** **STS Science Award 2017**- from *Signal Transduction Society* for work by a postdoc/junior PI.

**2017** Invited Speaker- EMBO conference on Molecular & Cellular Biology of Septins- Berlin, Oct 8-11.

**2015** **Boehringer Ingelheim Fonds (BIF) Travel Grant** for a research visit to NUS, Singapore.

**2012** Organizer's Travel Grant to attend " Batsheva de Rothschild Seminar on the Biochemistry, Biology and Pathology of MAP Kinases", Jerusalem Hills, Israel.

**2009** HBRS Travel grant to attend " The EMBO Meeting 2009", Amsterdam, The Netherlands.

**2006** **Doctoral fellowship, PhD program- Molecular Medicine** by the HBRS,Hannover, Germany.

**2006** Qualified for Council for Scientific and Industrial Research (**CSIR**) junior research fellowship (**JRF**)

**2006** University **first rank, MSc** Microbial Gene Technology, Madurai Kamaraj University, Madurai, India.

**2005** "**Maveeran Sundaralingam scholarship**", MKU, Madurai, India.

**2004 - 2006** "**Bharat Petroleum Scholarship for Higher Studies**" by Bharat Petroleum Corporation, India.

## Other Roles

**Since 2018** Academic Editor–*Plos One*

**Since 2018** Guest Associate Editor–*Frontiers in Pharmacology* [Topic Editor: Autophagy & related transcription factors in liver and gut diseases].

**Since 2018** Member of Peer-Review Board- *Bio-Protocol*.

**Since 2017** Member – The Signal Transduction Society, Germany

**Since 2016** Guest Associate Editor– *Frontiers in Cell & Dev Biology* [Topic Editor: Emerging functions of septins].

**Since 2015** Member – Biochemical Society, London, UK

**Since 2015** Review Editor – Signaling, *Frontiers in Cell & Developmental Biology*.

**Since 2015** Reviewer for journals including: *J Cell Science*, *Clinical Science*, *Bioscience Reports*, *OncoTargets & Therapy*, *Cell Death Dis*, and *Res & Rep in Biochem etc*.

## Selected Recent Publications

1. Trulley P, Snieckute G, Bekker-Jensen D, **Menon MB**, Freund R, Kotlyarov A, Olsen JV, Diaz-Munoz MD, Turner M, Bekker-Jensen S, Gaestel M & Tiedje C. 2018. Alternative translation initiation generates a functionally distinct isoform of the stress-activated kinase MK2. *Cell Rep* In press.

IF<sub>2017</sub>: 8.032

2. **Menon MB**, Gropengießer J, Fischer J, Novikova L, Deuretzbacher A, Lafera J, Schimmeck H, Czymmeck N, Ronkina N, Kotlyarov A, Aepfelbacher M, Gaestel M & Ruckdeschel K. 2017. p38<sup>MAPK</sup>/MK2-dependent phosphorylation controls cytotoxic RIPK1 signaling in inflammation and infection. *Nat Cell Biol.* 19: 1248–1259. IF<sub>2016</sub>: 20.06
3. Abbey M, Hakim C, Anand R, Lafera J, Schambach A, Kispert A, Taft MH, Kaefer V, Kotlyarov A, Gaestel M and **Menon MB**. 2016. GTPase domain driven dimerization of SEPT7 is dispensable for the critical role of septins in fibroblast cytokinesis. *Scientific Reports.*6:20007. IF<sub>2015</sub>: 5.228
4. **Menon MB**, Dhamija S, Kotlyarov A and Gaestel M. 2015. The problem of pyridinyl imidazole class inhibitors of p38 MAPK in autophagy research. *Autophagy.* 11(8): 1425-27. IF<sub>2014</sub>: 11.753
5. **Menon MB**, Sawada A, Chaturvedi A, Mishra P, Schuster-Gossler K, Galla M, Schambach M, Gossler A, Förster R, Heuser M, Kotlyarov A, Kinoshita M & Gaestel M. 2014. Genetic deletion of SEPT7 reveals a cell type-specific role of septins in microtubule destabilization for the completion of cytokinesis. *PLoS Genet.* 10(8):e1004558. IF<sub>2013</sub>: 8.167
6. **Menon MB** & Gaestel M. 2015. Sep(t)arate or not: how some cells take septin-independent routes through cytokinesis. *J Cell Science.* 128(10):1877-86. (Commentary). IF<sub>2014</sub>: 5.432

### Book Chapters

1. **Menon MB**, Kotlyarov A. 2018. MAP Kinase-Activated Protein Kinase 5 (MK5). In: Choi S (ed). *Encyclopedia of Signaling Molecules*. Springer New York: New York, NY. pp 2934-2939. DOI: 10.1007/978-3-319-67199-4\_321
2. **Menon MB**. 2017. Septin. In: Choi S (ed). *Encyclopedia of Signaling Molecules*. Springer New York: NY. pp 4875-4884. DOI: 10.1007/978-3-319-67199-4\_101986.

### Links for further details & publication profile

