

## *Curriculum Vitae*

**Muzamil Majid Khan** Dr.  
d.o.b. 23<sup>rd</sup> of October, 1985, in Baramulla, J&K, India

### **University Education**

2014 Doctorate, Karlsruhe Institute of Technology  
2007-2009 Master's in Biotechnology, Lovely Professional University, and National Centre for Biological Sciences, India

### **Scientific Career**

Since 2025  
DZL Principal Investigator at Translational Lung Research Centre, Heidelberg

Since 2022  
Research Associate (Staff Scientist), European Molecular Biology Laboratory, Heidelberg

2016–2022  
Postdoctoral Fellow, European Molecular Biology Laboratory, Heidelberg

2014–2016  
Postdoctoral Fellow, University of Applied Sciences, Mannheim

### **Awards and Honors**

2011-2014 Helmholtz Doctoral Fellowship, Karlsruhe Institute of Technology  
2009-2010 Junior Research Fellowship at National Centre for Biological Sciences, India

### **Citation Record**

*Total citations:* 12734; *h-index:* 18; (Google Scholar Feb. 10<sup>th</sup>, 2025)

### **Top-10 selected Publications**

1. Khan MM\*, Zukowska J,...., Savitski M, Pepperkok R\*. Dextromethorphan inhibits collagen transport in the endoplasmic reticulum eliciting an anti-fibrotic response in ex-vivo and in vitro models of pulmonary fibrosis. *Science translational medicine*, 18 Dec 2024, Vol 16, Issue 778, \*Corresponding Author

2. Jung, J\*, Khan MM\*, Landry J, ...., Pepperkok R. A high throughput SEC23 functional interaction screen reveals a role for focal adhesion and extracellular matrix signalling in the regulation of COPII subunit SEC23A. \*First authors, *The Journal of Cell Biology*, 13 Jul 2022, 221(8):e202110081

3. Khan MM, Poeckel D, Halavaty A,...., Pepperkok R. An integrated multiomic and quantitative label-free microscopy-based approach to study pro-fibrotic signalling in ex vivo human precision-cut lung slices. *European Respiratory Journal* 2021 58(1): 2000221

4. Khan MM, Lustrino D, Silveira WA, ...., Pozzan T, Rudolf R. Sympathetic Innervation Controls Homeostasis of Neuromuscular Junctions in Health and Disease. PNAS, 113 (3) 746-750, 2016
5. Khan MM, Strack, S, Wild, F, ...., Labeit S, Rudolf R. Role of autophagy, SQSTM1, SH3GLB1, and TRIM63 in the turnover of nicotinic acetylcholine receptors. Autophagy, 10(1), 123–36, 2014
6. Wild F, Khan MM, Straka T, Rudolf R. Progress of endocytic CHRN to autophagic degradation is regulated by RAB5-GTPase and T145 phosphorylation of SH3GLB1 at mouse neuromuscular junctions in vivo. Autophagy, 12(12) 2300-2310, 2016
7. Wild F\*, Khan MM\*, Rudolf R. Evidence for the subsynaptic zone as a preferential site for CHRN recycling at neuromuscular junctions. Small GTPases, Pages 395-402, 2016 \*First Authors
8. Straka T, Schröder C, Roos A, Kollipara, ...., Khan MM\*, Rudolf R\*. (2021) Regulatory function of sympathetic innervation on the endo/lysosomal trafficking of acetylcholine receptor. Front. Physiol. Front. Physiol. 12:626707; **\*Senior co-corresponding author**
9. Carnio S, LoVerso F, Baraibar MA, Longa E, Khan MM, Maffei M, Reischl M, Canepari M, Loefler S, Kern H, Blaauw B, Friguet B, Bottinelli R, Rudolf R, Sandri M. et al. Autophagy impairment in muscle induces neuromuscular junction degeneration and precocious aging. Cell Reports, 8(5), 1509–21. 2014
10. Rudolf R, Khan MM, Wild F, & Hashemolhosseini S. (2016). The impact of autophagy on peripheral synapses in health and disease. Frontiers in Bioscience, Jun 1; 21:1474-87.