

Name : **PD Dr. Shrikant Ramesh Mulay**

Qualification : Ph.D. (Human Biology)  
Habilitation (Experimental Medicine)

Date of birth : 19-05-1986

Nationality : Indian

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Medizinische Klinik und Poliklinik IV  
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### Research experience

2017-till date Assistant Professor, Faculty of Medicine, Medical Clinic and Policlinic IV, Ludwig-Maximilians University (LMU) of Munich, Germany

2015-2017 Principal Investigator at the Division of Nephrology, Ludwig Maximilians University of Munich, Germany. Research areas: 'Necroinflammation (cell death and inflammation loop) in tissue injury, repair/regeneration and remodeling/fibrosis' and 'Pathomechanisms of crystallopathies'

2013-2015 Post-doctoral research fellow at Division of Nephrology, with the research group of Prof. Hans-Joachim Anders, Ludwig Maximilians University of Munich, Germany. Research areas: 'Molecular mechanisms of crystal induced cell death'

2010-2013 Doctoral Research Fellow at the Division of Nephrology, Ludwig Maximilians University of Munich, Germany. Research project: 'Role of murine double minute (MDM)-2 in kidney injury and repair'

2008-2009 Research Scholar at Dept. of Pharmacology and Toxicology, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, India. Research project: 'Effect of combination of aspirin and telmisartan on STZ induced type 1 diabetic nephropathy in SD rats'

### Education

2013-2017 Habilitation (Experimental Medicine) (Dr. habil.), Faculty of Medicine, Medical Clinic and Policlinic IV, Ludwig-Maximilians University (LMU) of Munich, Germany

2010-2013 Ph.D. (Human Biology) (Dr. rer. hum. biol.), Division of Nephrology, University of Munich (LMU), Munich, Germany (summa-cum-laude) [Distinction]

2007-2009 M.S. Pharm. (Pharmacology & Toxicology), Dept. of Pharmacology and Toxicology, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, India [Distinction]

2003-2007 B. Pharmacy, NDMVP's College of Pharmacy, University of Pune, Nashik, India [Distinction]

## **Awards and Scholarships**

- 2018 -“ERA-EDTA Stanely Shaldon Young Investigators Award 2018” Copenhagen, Denmark  
European Renal Association – International Award
- 2016 -“Rolf-Becker Prize” from Faculty of Medicine, Ludwig Maximilians University of Munich, Germany
- 2016 -“Travel Grant Award” for European Renal Association - European Dialysis and Transplant Association (ERA-EDTA) at Vienna, Austria
- 2015 -“Best Scientific Abstract Award” at the German Society of Nephrology (DGfN) meeting at Berlin, Germany
- 2015 -“Outstanding Scientific Presentation – Best abstract presented by Young scientist” at European Renal Association- European Dialysis and Transplant Association (ERA-EDTA) at London, UK
- 2015 -“Travel Grant Award” for European Renal Association - European Dialysis and Transplant Association (ERA-EDTA) at London, UK
- 2014 -“Travel Grant Award” for Oxaluria and Hyperoxaluria Foundation meeting at Chicago, Illinois, USA
- 2013 -“Wissenschaftliches Institute of Nephrology (WiNe) Prize” WiNe-Scientific Institute for Nephrology, German Kidney Center (Deutsche Nierenzentren (DN) e.V.), Germany
- 2013 -“Hugo Wilhelm von Ziemssen-Prize” from Medizinische Klinik und Poliklinik IV, Ludwig Maximilians University of Munich, Germany
- 2012 - The publication ‘Murine double minute-2 links inflammation and tubular healing in acute kidney injury of mice. *Kidney Int.* 2012 Jun; 81(12):1199-21’ is selected for “Faculty of 1000: post publication peer review”
- 2012 -“Travel Grant Award” for European Renal Association- European Dialysis and Transplant Association (ERA-EDTA) at Paris, France
- 2007-2009 -“Research Fellowship” at National Institute of Pharmaceutical Education and Research (NIPER) SAS Nagar, Punjab, India

## **Certificates**

- 2016 Federation of European Laboratory Animal Science Associations (FELASA), Category C
- 2015 Academic Teacher Training Certificates, Munich, Germany
- 2012 Federation of European Laboratory Animal Science Associations (FELASA), Category B
- 2009-2040 Pharmacist: Registered Pharmacist in Maharashtra State Pharmacy Council, India

## Invited lectures in International Meetings

- 2018 - European Renal Association- European Dialysis and Transplant Association (ERA-EDTA), Copenhagen, Denmark, 2018  
*"Inflammasome activation in chronic kidney diseases"*
- 2018 - Indian Pharmacological Society Conference (IPSCON) 2017, Mumbai, India, 2018  
*"Novel mechanisms of crystalline nephropathies"*
- 2016 - German Society for Clinical Chemistry and Laboratory Medicine (DGKL), Annual Meeting, Mannheim, Germany, 2016  
*"Crystallopathies – How crystals kill cells?"*
- 2016 - German Society of Nephrology (DGfN) Annual Meeting, Berlin, Germany, 2016  
*"Necroinflammation in kidney disease"*
- 2016 - European Renal Association- European Dialysis and Transplant Association (ERA-EDTA), Vienna, Austria, 2016  
*"Beta-hydroxybutyrate inhibits NLRP3 mediated inflammation and delays progressive renal failure during primary hyperoxaluria related kidney stone disease"*
- 2016 - OxalEurope Spring Meeting, Munich, Germany, 2016  
*"Novel therapeutic strategies for hyperoxaluria related kidney stone disease"*
- 2015 - German Society of Nephrology (DGfN) Annual Meeting, Berlin, Germany, 2015  
*"Murine double minute-2 blockade ameliorate severe glomerulonephritis"*
- 2015 - European Renal Association- European Dialysis and Transplant Association (ERA-EDTA), London, UK 2015  
*"Calcium oxalate crystals induce RIPK3-MLKL mediated necroptosis in tubular cells"*
- 2014 - German Society of Nephrology (DGfN) Annual Meeting, Berlin, Germany, 2014  
*"Progressive oxalate nephropathy depends on TNFR1/2 because they are needed for CaOx crystal adhesion to tubule epithelium"*
- 2014 - Oxalosis and Hyperoxaluria Foundation (OHF) meeting Chicago, USA, 2014  
*"Progressive oxalate nephropathy depends on TNFR1/2 because they are needed for CaOx crystal adhesion to tubule epithelium"*
- 2013 - European Renal Cell Study Group (ERCGS) meeting Oxford, UK, 2013  
*"Calcium oxalate crystals activate renal cells to secrete TNF which drives renal inflammation and acute kidney injury"*
- 2011 - European Renal Cell Study Group (ERCGS) meeting Riva del Garda, Italy, 2011  
*"Role of murine double minute (MDM)-2 in ischemic renal injury"*
- 2009 - IGSDHD Workshop, Cologne, Germany, 2009  
*"Effect of aspirin in combination with telmisartan on STZ induced type 1 diabetic nephropathy"*

### Poster Presentations in International Meetings (First or Last author only)

- 2018 - European Renal Association- European Dialysis and Transplant Association (ERA-EDTA), Copenhagen, Denmark, 2018  
*"Crystal nephrotoxicity involves two distinct molecular pathways of regulated necrosis"*
- 2015 - American Society of Nephrology (ASN) San Diego, USA, 2015  
*"Calcium oxalate crystal-induced acute kidney injury involves RIPK3-MLKL mediated tubular cell necroptosis"*
- 2014 - American Society of Nephrology (ASN) Philadelphia, USA, 2014  
*"Progressive oxalate nephropathy depends on TNFR1/2 because they are needed for CaOx crystal adhesion to tubule epithelium"*
- 2013 - European Renal Association- European Dialysis and Transplant Association (ERA-EDTA), Istanbul, Turkey 2013  
*"Progressive oxalate nephropathy depends on TNFR1/2 because they are needed for CaOx crystal adhesion to tubule epithelium"*
- 2012 - American Society of Nephrology (ASN) San Diego, USA, 2012  
*"Murine double minute (MDM)-2 mediates podocyte loss, proteinuria, and subsequent tubular injury and interstitial fibrosis in progressive focal-segmental glomerulosclerosis"*
- 2012 - European Renal Association- European Dialysis and Transplant Association (ERA-EDTA), Paris, France 2012  
*"Calcium oxalate crystals induce renal inflammation and acute kidney injury by activating NLRP3 inflammasome-mediated interleukin-1 $\beta$  secretion in renal dendritic cells"*
- 2011 - American Society of Nephrology (ASN) Philadelphia, USA, 2011  
*"Murine double minute-2 links inflammation and tubular healing in acute kidney injury of mice"*
- 2011 - European Renal Association- European Dialysis and Transplant Association (ERA-EDTA), Prague, Czech Republic 2011  
*"Murine double minute-2 in inflammation and tubular repair during acute kidney injury"*
- 2008 - International symposium on Nuclear Architecture & Chromatin Dynamics, India, 2008  
*"Calorie restriction reduces the progression of diabetic nephropathy involving changes in epigenetic modifications of histone H3"*

### Industry Collaborations

- 2017-2018 Industry Name – Inositec AG, Zurich, Switzerland  
Role – Principal Investigator (LMU Munich)  
Project Title – Validation and Efficacy of a Novel Therapy for Hyperoxaluric Kidney Stone Disease

### Expert Evaluation Activities for Research Journals

- 2018 - Cardiovascular Research  
- Journal of Visual Experiments  
- Kidney International Reports  
- American journal of physiology and renal physiology  
- Kidney International

- 2017 - JCI Insights  
- International Journal of Molecular Sciences  
- Mediators of Inflammation  
- Cardiovascular Research
- 2016 - Kidney International  
- Pharmacological Reports
- 2014 - BMC Nephrology  
- PLoS One
- 2013 - Nephrology Dialysis Transplant (NDT)

**Editorial Activities for Research Journals**

- 2017 Guest Editor on a Special Issue  
Journals – Frontiers in Immunology (IF 6.43) and Frontiers in Pharmacology (IF 4.4)  
Title – Nano- and Microparticle-induced Cell Death, Inflammation, and Immune Responses  
Co-Editors – Prof. Hans-Joachim Anders, Germany; Prof. Rostyslav Bilyy, Ukraine; Prof. Alexander Gabibov, Russia; Prof. Martin Herrmann, Germany.
- 2015 Lead Guest Editor on a Special Issue  
Journal – Mediators of Inflammation (IF 3.23)  
Title – Role of the Innate Immune System in Maintaining Homeostasis or Regaining Homeostasis after Injury  
Co-guest Editors – Dr. Onkar P. Kulkarni, India; Dr. Julia Lichtnekert, USA; Prof. Hans-Joachim Anders, Germany.

**Number of PubMed Publications (as of Aug, 2018)**

First author Publications	Co-author Publications	Last/Corresponding Author publications	Total Impact Factor (ISI Web of Science)	H Index ISI Web of Science= 20 Google scholar=21
18	24	6	421.82	

**List of Publications**

- <https://www.ncbi.nlm.nih.gov/pubmed/?term=mulay+sr>
- <https://scholar.google.com/citations?user=IYrNYeoAAAAJ&hl=en>
- [https://www.researchgate.net/profile/Shrikant\\_Mulay](https://www.researchgate.net/profile/Shrikant_Mulay)