

Dr. RADHIKA PUTTAGUNTA**1) General information**

Date of birth: 7 March, 1976
 Gender: Female
 Address: Heidelberg University Hospital
 Spinal Cord Injury Center
 Schlierbacher Landstr. 200A
 69118 Heidelberg, Germany
 Phone: +49-(0)6221-5629200
 E-Mail: radhika.puttagunta@med.uni-heidelberg.de
 Position: Permanent Group Leader of the Laboratory of Neuroregeneration,
 Spinal Cord Injury Center, University Hospital Heidelberg, Germany.
 Children: two (* 2009, * 2013)
 Parental leave, if applicable: 2010 - 2011, 2013

2) University training and degree

1994 - 1998 B.S. in Cellular Molecular Biology, Department of Biology, University of Michigan-Ann Arbor, USA
 1997 - 1998 M.S. in Biology, Department of Biology, University of Michigan-Ann Arbor, USA
 1999 - 2002 M.S. in Genetics, Department of Genetics and Medical Genetics, University of Wisconsin-Madison, USA
 2002 - 2006 PhD. in Genetics, Department of Genetics and Medical Genetics, University of Wisconsin-Madison, USA

3) Advanced academic qualifications

2006 Doctoral dissertation in Genetics, Mentor: Prof. Tomas Prolla, Dept. of Medical Genetics, University of Wisconsin, Madison, Wisconsin, USA

4) Postgraduate professional career

Since 2018 Head of the ZfOUP Animal Facility, Heidelberg University Hospital, Germany
 Since 2016 Group leader of the Laboratory for Neuroregeneration, Spinal Cord Injury Center, University Hospital Heidelberg, Germany
 Since 2016 Faculty of the Hartmut Hoffmann-Berling International Graduate School of Molecular and Cellular Biology, Ruprecht-Karls University of Heidelberg, Germany
 Since 2016 Faculty of Interdisciplinary Center for Neurosciences, Ruprecht-Karls University of Heidelberg, Germany
 2014 - 2016 Co-principal investigator/senior postdoctoral fellow with Prof. Simone Di Giovanni, Laboratory for NeuroRegeneration and Repair, Hertie Institute for Clinical Brain Research, University of Tübingen, Germany
 2014 - 2016 Faculty of Graduate School of Cellular and Molecular Neuroscience, University of Tübingen, Germany

- 2011 - 2013 Postdoctoral fellow with Dr. Simone Di Giovanni, Laboratory for Neuro Regeneration and Repair, Hertie Institute for Clinical Brain Research, University of Tübingen, Germany.
- 2007 - 2010 Postdoctoral fellow with Dr. Simone Di Giovanni, Laboratory for Neuro Regeneration and Repair, Hertie Institute for Clinical Brain Research, University of Tübingen, Germany.

5) Other

Awards and honours:

- 2016 Baden-Württemberg Certificate for Teaching and Learning (DGHD)
- 2015 Nominated for the Eric Kandel Young Neuroscientists Prize
- 2002 - 2003 Wisconsin Distinguished Graduate Student Fellowship; University of Wisconsin-Madison, Madison, WI
- 2002 Teaching Certificate from the Teaching and Learning Scholarship program, University of Wisconsin-Madison, USA

Panels and coordinating functions:

- Since 2018 Coordinator of PhD Course, "The Art of the Short Comm", University of Heidelberg-HBIGS, Germany
- Since 2018 co-Coordinator of HeiCuMed Seminar, "Rückenmarksverletzung: From Bench to Bedside und zurück", University of Heidelberg-Hospital, Germany
- Since 2017 Selection committee for the Heidelberg Biosciences International Graduate School (HBIGS)
- Since 2016 Coordinator for Master's Student Seminar, "Regenerative approaches for Spinal Cord Injury", University of Heidelberg-IZN, Germany
- 2014 - 2016 Master's Student Class Coordinator and Lecturer, "Neuroregeneration and Neuro-tissue engineering", University of Tübingen-Graduate School, Germany.
- 2015 - 2016 Founder of the Highly Experienced Researchers (HER) group in support of women academics, University of Tübingen, Germany.

Reviewing Boards:

- Since 2017 Reviewer of grant applications for the Deutsche Forschungsgemeinschaft (DFG), Alexander von Humboldt Fellowships, Medical Research Council (MRC) of the UK Research and Innovation and Innovation and Technology Support Programme (ITSP), China
- Ad hoc reviewer: 3 Biotech, Cell Transplantation, Pain, FEBS Letters, Acta Neurobiologiae Experimentalis, PLOS One, Scientific Reports, Neuroscience, Spinal Cord, Colloids and Surfaces B: Biointerfaces, Brain Research, Molecular Neurobiology, British Journal of Pharmacology, Marrow – Annals of New York Academy of Sciences, BMC Musculoskeletal Disorders, Neural Regeneration Research, Neurotherapeutics, PLOS Biology, Pharmaceutics, International Journal of Molecular Sciences, Frontiers in Cellular Neuroscience.

6) Publications

A)

- Chen J, Weidner N and Puttagunta, R. The Impact of Activity-Based Interventions on Neuropathic Pain in Experimental Spinal Cord Injury. **Cells**; 11, 3087, 2022.
- Zhou L*, Kong G*, Palmisano I, Cencioni MT, Danzi M, De Virgiliis F, Chadwick JS, Crawford G, Yu Z, De Winter F, Lemmon V, Bixby J, Puttagunta R, Verhaagen J, Pospori C, Lo Celso C, Strid J, Botto M, Di Giovanni S. Reversible CD8 T cell-neuron cross-talk causes aging-dependent neuronal regenerative decline. **Science**; 376(6594), 2022.
- Timotius IK, Bieler L, Couillard-Despres S, Sandner B, Garcia-Ovejero D, Labombarda F, Estrada V, Müller HW, Winkler J, Klucken J, Eskofier B, Weidner N, Puttagunta R. Combination of Defined CatWalk Gait Parameters for Predictive Locomotion Recovery in Experimental Spinal Cord Injury Rat Models. **eNeuro**; 8(2):0497-20.2021, 2021.
- Kampanis V, Tolou-Dabbaghian B, Zhou L, Roth W, Puttagunta R. Cyclic Stretch of Either PNS or CNS Located Nerves Can Stimulate Neurite Outgrowth. **Cells**; 10, no. 1: 32, 2021.
- Kong G, Zhou L, Serger E, Palmisano I, De Virgiliis F, Hutson TH, McLachlan E, Freiwald A, La Montanara P, Shkura K, Puttagunta R, Di Giovanni S. AMPK controls the axonal regenerative ability of dorsal root ganglia sensory neurons after spinal cord injury. **Nature Metabolism**; 2(9):918-933, 2020.
- Hervera A, Zhou L, Palmisano I, McLachlan E, Kong G, Hutson TH, Danzi MC, Lemmon VP, Bixby JL, Matamoros-Angles A, Forsberg K, De Virgiliis F, Matheos DP, Kwapis J, Wood MA, Puttagunta R, Del Río JA, Di Giovanni S. PP4-dependent HDAC3 dephosphorylation discriminates between axonal regeneration and regenerative failure. **EMBO J**; 38(13): e101032, 2019.
- Sliwinski C, Nees T, Puttagunta R, Weidner N. and Blesch A. Sensorimotor activity ameliorates pain and reduces nociceptive fiber labeling density in the chronically injured spinal cord. **Journal of Neurotrauma**; (18):2222-2238, 2018.
- Sandner B, Puttagunta R, Motsch M, Bradke F, Ruschel J, Blesch A, Weidner N. Systemic epothilone D improves hindlimb function after spinal cord contusion injury in rats. **Experimental Neurology**; pii: S0014-4886(18)30031-1, 2018.
- Joshi Y*, Soria M*, Quadrato G, Inak G, Zhou L, Hervera A, Rathore K, Elnagger M, Cucchiaroni M, Marine J, Puttagunta R and Di Giovanni S. The MDM4/MDM2-p53-IGF1 axis controls axonal regeneration, sprouting and functional recovery after CNS injury. **Brain**; 138(Pt 7):1843-62, 2015
- Puttagunta R*, Tedeschi A*, Soria MG, Hervera A, Lindner R, Rathore KI, Gaub P, Joshi Y, Nguyen T, Schmandke A, Laskowski CJ, Boutillier A-L, Bradke F and Di Giovanni S. PCAF-dependent epigenetic changes promote axonal regeneration in the central nervous system. **Nature Communications**; 5: 3527, 2014.

* Equally contributing authors

B) other publications: -

C) Patents: -

