

CURRICULUM VITAE

Shiv K. Singh, Ph.D.

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Present position: Max-Eder Group Leader (German Cancer Aid)

Academic education

2006-2010 Dr. rer. physiol. (summa cum laude), Philipps-University of Marburg, Germany
2002-2004 Master of Science in Biochemistry, University of Bundelkhand, India

Professional career

2021-present Faculty member of the International Max Planck Research School for Genome Science (IMPRS-GS), University of Göttingen
2021-present Faculty member of the Developmental, Neural and Behavioral Biology (DNB), University of Göttingen
2018-present Faculty member of the Georg-August University School of Science (GAUSS) and Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences (GGNB), University of Göttingen
2018-present Max-Eder Group Leader, Department of Gastroenterology and GI-Oncology, UMG
2016-2017 Junior Group Leader, Department of Gastroenterology and GI-Oncology, UMG
2014-2016 Postdoctoral Fellow at Barrow Neurological Institute, Phoenix, USA
2011-2014 Postdoctoral Fellow at Philipps-University of Marburg

Third-party funding and research grant awards

2020 DFG (KFO 5002_Clinical Research Units)
2020 Fritz-Thyssen-Stiftung
2019 Eric und Gertrud Roggenbuck-Stiftung
2019 KH-Bauer-Research funding
2018 Deutsche Krebshilfe (Max-Eder Program)
2018 University Medical Center Göttingen (UMG)

Honors and awards

2020 Best lecture evaluation in the entire M.Sc. Molecular-Medicine program, UMG
2019 Mildred Scheel Fellow Award at the 9th Mildred Scheel Conference, Bonn
2019 Received K. H. Bauer Research Award, UMG
2018 Received Max-Eder Research Fellowship Award, Deutsche Krebshilfe, UMG
2016 Research article was featured on the cover page of the journal *Cell Reports*
2014 National Scholar Award, UEGW, Vienna
2014 Basic Science Abstract Award, UEGW, Vienna
2013 Travel Grant from UEGW, Berlin
2013 Fellowship grant from European Cancer Congress, Amsterdam
2013 Travel Award from European Pancreatic Club, Zurich
2010 Summa cum laude for PhD thesis, Philipps-University of Marburg
2010 Meeting Bursary Award from Cold Spring Harbor Laboratory, New York
2009 Travel Award from Salk Institute for Biological Sciences, San Diego

Research achievements of my lab group

2020 Hans-Chiari Excellence Award to Lukas Klein at Deutschen Pankreasclubs, Halle
2020 Best Poster Award to Niklas Krebs at Deutschen Pankreasclubs, Halle
2020 Travel Award to Niklas Krebs at Deutschen Pankreasclubs, Halle
2020 Travel Award to Lukas Klein at Deutschen Pankreasclubs, Halle

2019 Poster Award to Niklas Krebs at European Association for Cancer Research, Berlin
2019 MD Fellowship from DGVS to Niklas Krebs, Göttingen
2018 Best Poster Prize to Niklas Krebs at Deutschen Pankreasclubs, Ulm

Ad.hoc Reviewer

i) Nature Cell Biology, ii) Frontiers in Immunology, iii) FEBS Bio, iv) Molecular Oncology, v) Cancer Medicine, vi) Journal of Cancer, vii) Protein & Cell, viii) Scientific Reports, ix) Gut

Grant Reviewer

i) Deutsch Krebshilfe, ii) The French National Research Agency (ANR)

Committee member and institutional responsibilities for graduate schools (GGNB/GAUSS)

2019-present Interview, selection and committee member of the graduate student's thesis

Member of the thesis committee and examination board (B.Sc./M.Sc./Ph.D.)

2018-present Supervisor and thesis examiner of the graduate student's project

Teaching M.Sc. molecular medicine students

2017-present Molecular Biology, Translational Oncology, Pancreatic cancer Biology

Combined lecture and practical series for the M.Sc. program at the Biological faculty

2018-present Teaching/practical activities for the 'Cell' module

Mentorship (University of Göttingen)

2017-2021	Dr. Mengyu Tu	(Graduated in 2021; Tu, Klein et al. Nature Cancer 2021)
2019-present	Lukas Klein	(Ph.D. thesis ongoing; Tu, Klein et al. Nature Cancer 2021)
2020-present	Laura Urbach	(Ph.D. thesis ongoing)
2017-2021	Niklas Krebs	(M.D. thesis submitted; Krebs et al. under review)
2019-present	Paul Stenke	(M.D. thesis ongoing)
2019-present	Nava Veeradinesh	(M.D. thesis ongoing)
2018-2019	Ekta Sidhu	(M.Sc. thesis completed)
2018-2019	Lukas Klein	(M.Sc. thesis completed)
2019-2020	Marcel Romey	(M.Sc. thesis completed)
2020-2020	Çezarela Hoxha	(M.Sc. thesis completed)
2020-2020	Laura Urbach	(M.Sc. thesis completed)
2021-present	Rebecca Samuel	(M.Sc. thesis ongoing)
2020-2020	William Tan	(B.Sc. thesis completed)
2020-2020	Clarissa Lohmann	(B.Sc. thesis completed)
2021-present	Leona Schüürhuis	(B.Sc. thesis ongoing)

Mentorship (Barrow Neurological Institute, USA)

2014-2016	Costanza LoCascio	(coauthor publication, Singh et al. Cell reports 2016)
2014-2016	Sindhu Rajan	(coauthor publication, Singh et al. Cell reports 2016)
2014-2016	Panieh Terraf	
2014-2015	Nicole Giannonatti	
2015-2016	Laura Belmont	
2015-2016	Jeffrey Wang	

Mentorship (Philipps University of Marburg, Marburg)

2012-2014	Sophia Vogt	(coauthor publication, Singh et al. EMBO J 2015)
2012-2014	Nadine Voelker	(coauthor publication, Singh et al. EMBO J 2015)
2012-2014	Sarah Kernig	

Mentoring lab rotation students (M.Sc. molecular medicine & Developmental Neurobiology program)

2017-present: Daniel M. Rodrigues, Nazil Serin, Marcel Romey, Çezarela Hoxha, Charlotte Junkuhn, Dana Wörz, Clarissa Lohmann, Lukas Klein, Rebecca Samuel, Leona Schüürhuis

Selected invited talks and guest lectures (2018-2021)

2021 Retreat DFG graduate college school 2773, Rauschholzhausen Castle, Marburg (*Keynote lecture*)
 2021 7th tumor microenvironment meeting by Aegean Conferences, Kos, Greece (*Keynote talk*)
 2021 Mechanisms of tumor immune heterogeneity in pancreatic cancer, Ulm
 2021 First Virtual Göttingen-Munich-Marburg Pancreatic Cancer Meeting, Göttingen
 2021 Virtual Annual Meeting for Max-Eder program
 2021 Virtual lecture on 'Future of Precision Cancer Therapy' (*Keynote lecture*)
 2020 Minisymposium of KFO325, 'Clinical Relevance of TME in Pancreatic Cancer, Marburg (*Keynote lecture*)
 2020 Virtual Annual Meeting for Max-Eder program, Bonn
 2020 Department of Molecular GI Oncology, Ruhr-Universität Bochum, Bochum
 2019 Annual meeting for Max-Eder program, Bonn
 2019 Lecture on 'Opportunities for Translational and Clinical Research setting' BMBF, UMG
 2019 Flash talk at the 9th Mildred Scheel Conference, Bonn
 2018 Annual Meeting for Max-Eder program

List of the selected key publications

1. Tu M[#], Klein L[#], Espinet E, Georgomanolis T, Wegwitz F, Xiaojuan L, Bojarczuk K, Günesdogan U, Chapuy B, Gu Z, Kishore U, Neesse A, Ströbel P, Hessmann E, Hahn SA, Trumpp A, Papantonis A, Ellenrieder V, **Singh SK*** (2021). TNF α -producing Macrophages Determine Subtype Identity and Prognosis via AP1 Enhancer Reprogramming in Pancreatic Cancer (*Nature Cancer*, in press).
2. Hessmann E, Schneider G (2021); 1st Virtual Göttingen-Munich-Marburg Pancreatic Cancer Meeting. Collaborators: Bousquet C, Der C, Dreyer S, Dusetti N, Eilers M, Ellenrieder V, Espinet E, Falcomatà C, Feldmann K, Gebhardt A, Gress T, Hamdan F, Huber M, Johnsen SA, Kleger A, Krenz B, Lomberg G, Mazur P, Michl P, Morton J, Magliano M, Picard F, Reichert M, Saur D, Schmid R, Sebens S, **Singh SK**, Siveke J, Trumpp A. *Gastroenterology*; 2:S0016-5085.
3. **Singh SK**, Hasselluhn MC, Neesse A (2019). A tangled tale of molecular subtypes in pancreatic cancer. *Gut*; 68: 953-954.
4. **Singh SK**, Fiorelli R, Kupp R, Rajan S, Szeto E, Lo Cascio C, Maire CL, Sun Y, Alberta JA, Eschbacher JM, Ligon KL, Berens ME, Sanai N, Mehta S (2016). Post-translational modification of Olig2 regulates glioma invasion through TGF- β 2 mediated signaling pathway. *Cell Reports*; 16:950-66.
5. **Singh SK**, Chen N, Hessmann E, Siveke J, Lahmann M, Singh G, Voelker N, Vogt S, Esposito I, Schmidt A, Brendel C, Stiewe T, Gaedcke J, Mernberger M, Crawford HC, Bamlet WR, Zhang JS, Li XK, Smyrk TC, Billadeau DD, Hebrok M, Neesse A, Koenig A, Ellenrieder V (2015). Antithetical NFATc1-Sox2 and p53-miR-200 signalling networks governs pancreatic cancer cell plasticity and tumour progression. *EMBO J*; 34:517-30.
6. **Singh SK** and Ellenrieder V (2013). Senescence in Pancreatic Cancer: from signalling to chromatin remodelling and epigenetics. *Gut*; 1364-72.
7. Baumgart S, Glesel E, Singh G, Chen NM, Reutlinger K, Zhang J, Billadeau DD, Fernandez-Zapico ME, Gress TM, **Singh SK***, Ellenrieder V* (2012). Restricted heterochromatin formation links NFATc2 repressor activity with growth promotion in pancreatic cancer. *Gastroenterology*; 142:388-98.

*corresponding author; # shared first author