

CURRICULUM VITAE

PERSONAL INFORMATION

Family name, First name: Pandey, Deo Prakash

Date of birth: 01.03.1980

Civil status: Married

Sex: Male

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CURRENT AND PREVIOUS POSITIONS

- 2018- Project Group Leader within the section headed by Prof. Arne Klungland
Dept. of Molecular Microbiology, Oslo University Hospital, Rikshospitalet, Norway
- 2017-2017 Researcher, Laboratory of Prof. Arne Klungland
Dept. of Molecular Microbiology, Oslo University Hospital, Rikshospitalet, Norway
- 2011-2017 Postdoctoral fellow, Laboratory of Prof. Kristian Helin
Biotech Research and Innovation Centre (BRIC), University of Copenhagen, Denmark

EDUCATION

- 2010 PhD: **Disputation date:** 15.10.2010. Supervisor: Didier Picard
Dept. of Cell Biology, University of Geneva, Switzerland
- 2005 Master in Biotechnology
Dept. of Molecular Biology and Biochemistry, University of Southern Denmark, Denmark
- 2003 Bachelor in Technology, Chemical Engineering
Indian Institute of Technology, Kanpur, India

FELLOWSHIPS AND AWARDS

- 2018 Awarded *seal of excellence* from EU-H2020 for the MSCA application
- 2018 On the waiting list for the prestigious H2020 EU-MSCA experienced researcher
- 2018-2021 Helse Sør-Øst researcher award for 4 years (NOK 4 million)
- 2017 Project Establishment Support from the Norwegian Research Council for the H2020 MSCA
- 2012-2014 The Elite Young Researcher award (Sapere Aude – DFF Research Talent)
3-year postdoctoral fellowship from The Danish Council for Independent Research (€ 500K)
- 2012-2013 Awarded the EMBO long-term postdoctoral fellowship
- 2010 Travel grant from the Swiss society of SSMCB to attend the EMBO meeting, Barcelona
- 2009 Travel grant from Swiss society of SSMCB to attend the EMBO meeting, Amsterdam

MOBILITY

- 2011-2017 Postdoctoral fellow at BRIC, University of Copenhagen, Denmark
- 2005-2010 PhD student at the Dept. of Cell Biology, University of Geneva, Switzerland
- 2003-2005 Master student and research assistant in the lab of Prof. Kenn Gerdes, at the Dept. of Molecular Biology and Biochemistry, University of Southern Denmark, Denmark

SUPERVISION OF STUDENTS

- 2019 4 master students and a forskerlinje biomedicine student
- 2018 Two summer students
- 2017-2018 Co-supervision of a PhD student with Prof. Arne Klungland
- 2014-2015 1 Master student at BRIC, University of Copenhagen, Denmark
- 2008-2010 3 Master students at Dept. of Cell Biology, University of Geneva, Switzerland

INSTITUTIONAL RESPONSIBILITIES

- 2019- Vice-chairman, Oslo node, Norwegian Biochemical Society
- 2017- Started the journal club at the dept. of Microbiology, Rikshospitalet
- 2011-2017 Member of Association of Student and Postdocs (ASAP) at BRIC, University of Copenhagen, Denmark. I had various roles at ASAP including treasurer. I organized and hosted invited speaker seminars by ASAP.
- 2010-2010 Initiated the tradition to organize and host invited speakers by students and postdocs at the Dept. of Cell Biology, University of Geneva, Switzerland

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2018-present Member, Society for Neuroscience (SfN)
- 2018-present Member, European association of neuro-oncology (EANO)
- 2017-present Member, Norwegian Biochemical Society
- 2006-present Member, Swiss Society of Molecular and Cellular Biosciences (SSMCB, formerly USGEB)

MAJOR COLLABORATIONS

Arne Klungland	Gene regulation, epigenetics Dept. of Molecular Microbiology, Oslo University Hospital, Rikshospitalet
Jiyang Yu	Bioinformatics, Sequencing St. Jude Children's Hospital, Memphis, USA
Kristian Helin	Epigenetics, Cancer BRIC, University of Copenhagen, Denmark
Rolf Bjerkvig	Glioblastoma, glioma patient material, glioma mouse models University of Bergen
Steve Pollard	Glioblastoma, Neural stem cells MRC Centre for regenerate medicine, University of Edinburg, UK
Magnar Bjørås	iPS derived mini-brain for modeling gliomas NTNU, Trondheim and UiO Oslo

EARLY ACHIEVEMENTS TRACK RECORD

PUBLICATIONS (Total: 13, without PhD supervisor: 6, within last 5 years: 5, submitted/under preparation: 3)

PATENTS: 2

SELECTED CONFERENCES/COURSES

- INDIA-EMBO symposium, "Regulatory epigenomics" (2019), Chennai (Poster)
- EMBL conference, "The Epitranscriptome" (2018), Heidelberg (Poster)
- Norwegian Biochemical Society (NBS) winter meetings (2018/2019), Hafjell/Røros, Norway (Talk)
- Genome dynamics workshop, Trondheim (2017) (*Invited talk*)
- Chromosomal conformation capture course at CRG. Barcelona, Spain. (2017)
- The EMBO meeting on Ribosome structure and function (2016). Strasbourg, France. (Poster)
- Personalized Cancer Care (2016). Oslo, Norway. (Poster)
- Danstem retreat (2013). Dragsholm, Denmark. (Talk)
- The EMBO meeting (2010). Barcelona, Spain. (Poster)
- The EMBO conference on "Nuclear Receptors" (2009). Dubrovnik, Croatia. (Poster)
- The EMBO meeting (2009). Amsterdam, Netherlands. (Poster)
- The Swiss-German Cell Biology meeting (2009). Konstanz, Germany. (Poster)
- The ELSO meeting (2008). Nice, France. (Poster)

RESEARCH EXPERIENCE

Jan 2018 – present: Started working as an independent researcher at the dept. of Molecular Microbiology, Rikshospitalet, Oslo after acquiring the Helse Sør-Øst researcher fellowship. My research focus is to identify and characterize novel functional dependencies required for Glioblastoma. Using a combination of genetic and biochemical approaches to study gene regulation in clinically relevant GBM models, I aim to identify and characterize novel molecular mechanisms of gliomagenesis, hopefully leading to novel therapeutic intervention strategies for GBM patients.

Jan 2011 – March 2017: Postdoctoral fellow in the lab of Prof. Kristian at the University of Copenhagen in the area of epigenetics and cancer. I setup mouse models of glioblastoma multiforme (GBM), the most prevalent and aggressive of primary brain tumors and performed *in vivo* and *in vitro* shRNA screens to identify epigenetic factors required for the tumorigenic process in GBM. After validating a number of hits, I characterized their function in detail to understand how do they contribute to regulation of GBM. Furthermore, I collaborated with another postdoc in the Helin group, to model pediatric gliomas and identified Ezh2 inhibition as a potential therapeutic strategy to target them, leading to a publication in *Nature medicine*.

Oct 2005 – Dec 2010: Graduate student in the group of Prof. Didier Picard at the University of Geneva. During my PhD, I worked on two major aspects of estrogen signaling. In the first work, we characterized estrogen signaling through GPR30 using DNA microarray analysis and found that GPR30 signaling induces a transcriptional network, which resembles that induced by serum in fibroblasts. Furthermore, we showed that GPR30 mediates migration and proliferation of breast cancer cells through CTGF, the most up-regulated GPR30 target gene identified in our study. The second study was focused on the role of microRNAs (miRNAs) in regulating estrogen receptor (ER) α and estrogen signaling. We showed that miR-22 represses estrogen signaling by directly targeting the ER α mRNA. Additionally, I performed a genetic screen in the budding yeast *Saccharomyces cerevisiae* to identify factors that are necessary for the proper function of ER α . The resulting candidates led to publications in *Molecular Cell* in 2016 and another in *Nature Communications* in 2019.