Ranadip Pal

Education
PhD, Electrical & Computer Engineering, 2007 *Texas A&M University*, College Station, TX
M.S., Electrical Engineering, 2004 *Texas A&M University*, College Station, TX
B. Tech. Electronics and Electrical Communication Engineering, 2002 *Indian Institute of Technology (IIT)*, Kharagpur, India

Academic experience:
Fall 2020 – present   Professor and Associate Chair for Graduate Studies Electrical and Computer Engineering Department, Texas Tech University, Lubbock TX
Fall 2013 – July 2020   Associate Professor, Electrical and Computer Engineering Department, Texas Tech University, Lubbock TX
Fall 2007 – Aug 2013   Assistant Professor, Electrical and Computer Engineering Department, Texas Tech University, Lubbock TX
Fall 2002 – Aug 2007   Research Assistant, Genomic Signal Processing Lab, Electrical and Computer Engineering Department, Texas A &M University, College Station TX

Non-academic experience: None

Certifications or professional registrations: None

Current membership in professional organizations:
IEEE Senior Member ;   AAAS

Honors and awards:
2018: *Ed & Linda Whitacre Faculty Fellow*
2016: *Chancellor's Council Distinguished Research* Award
2014: *Whitacre Research* Award
2012: Top Performer in *NCI-DREAM Drug Sensitivity Prediction Challenge*
2012: *President's Excellence in Teaching* Award
2010: *NSF CAREER* Award
2005: Ebsenberger/Fouraker Fellowship Award for Research
2005: Association of Former Students Distinguished Graduate Student Masters Research Award
1998: Ranked in top 0.3 percent in IIT Joint Entrance Exam among 120,000 applicants.
1997: Indian National Math Olympiad Awardee

Service activities:
- TTU ECE Graduate Studies Committee Chair, Computer Engineering Curriculum Committee Chair, ABET Communications and Signal Processing Subcommittee Chair, Multiple Faculty Search Committee Member, COE Tenure and Promotion Committee
- NSF Panelist (2021, 2020, 2019, 2017, 2014, 2012, 2010, 2008)
- NIH ITCR Panelist (2021, 2022)
- Guest Editor for various Journals (IEEE TCBB, BMC Genomics, BMC Bioinformatics)
- Conference organizer (CNB-MAC 2019, 2018, 2017; IEEE GENSIPS 2008)

The most important publications from the past five years: (all corresponding author)

- R. Zhang, S. Ghosh, **R. Pal**, "Predicting binding affinities of emerging variants of SARS-CoV- 2 using spike protein sequencing data: observations, caveats and recommendations", *Briefings in Bioinformatics*, Volume 23, Issue 3, May 2022, bbac128 (*Impact Factor 13.99*)

- O. Bazgir, S. Ghosh, **R. Pal** "Investigation of REFINED CNN ensemble learning for anti- cancer drug sensitivity prediction", *Bioinformatics*, Volume 37, Issue Supplement_1, July 2021, Pages i42–i50 (*Impact Factor 6.937*)

- O. Bazgir, R. Zhang, S. R. Dhruba, R. Rahman, S. Ghosh, R. Pal "Representation of features as images with neighborhood dependencies for compatibility with convolutional neural networks", *Nature Communications* 2020 Sep 1;11(1):4391 (*Impact Factor 17.69*)

- K. Matlock, R. Rahman, S. Ghosh, **R. Pal** "Sstack: An R Package for Stacking with Applications to Scenarios Involving Sequential Addition of Samples and Features", *Bioinformatics*, 2019 btz010 (*Impact Factor 6.937*)

- R. Rahman, S. R. Dhruba, K. Matlock, C. De-Niz, S. Ghosh, **R. Pal** "Evaluating the Consistency of Large Scale Pharmacogenomic Studies" *Briefings in Bioinformatics* (2019*)*, Volume 20, Issue 5, Pages 1734-1753, https://doi.org/10.1093/bib/ (*Impact Factor 13.99*)

Professional development activities:
Attended ECEDHA conference, March 2022
CNB-MAC Workshop Co-Chair 2019
NSF PI grant 2020
NIH PI Grant 2016, Co-PI Grant 2022
Published in High Impact Journals such as Nature Communications, Briefings in Bioinformatics