

# Stanford

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## Neeladrisingha Das

Postdoctoral Scholar, Radiation Physics

### Bio

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#### BIO

Neel is a postdoc fellow in the Pratz lab at Stanford University. He is currently working on the role of radiotherapy in cancer cell death and the various mechanism involved in radio-induced cell death. Neel comes from a very small town in Odisha, India (Athgarh) and had schooling in his hometown. He had a keen interest in animal biology and started his B.S in Zoology at Gopabandhu Science College, Athgarh. Later he did his M.S in Zoology from Sambalpur University, Odisha, India. He carried out his doctoral studies at the Indian Institute of Technology Roorkee in the lab of Prof. Partha Roy. His main study was on the anti-cancer activity of various natural-based products and their mechanism of action. Neel is a trained cell and molecular biologist. His research interest includes- Cancer cell death mechanisms and developing therapeutics for cancer stem cells and metastasis.

#### HONORS AND AWARDS

- Best Poster Award, NATIONAL BIOMEDICAL RESEARCH COMPETITION -2018 (2018)
- University Gold Medal for securing 1st rank in university in M.S (Zoology) examination, Sambalpur University, India (2014)
- University topper in Utkal University in B.S (Zoology) examination., Utkal University, India (2007)

#### PROGRAM AFFILIATIONS

- SPARK at Stanford

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Indian Institute of Technology, Roorkee (2021)
- Master of Science, Sambalpur University (2015)
- Bachelor of Science, Utkal University (2008)
- Ph.D., INDIAN INSTITUTE OF TECNOLOGY ROORKEE , CANCER BIOLOGY (2022)
- M.S, SAMBALPUR UNIVERSITY, INDIA , ZOOLOGY (2014)
- B.S, UTKAL UNIVERSITY,INDIA , ZOOLOGY (2007)

#### STANFORD ADVISORS

- Guillem Pratz, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Efficient and multiplexed tracking of single cells using whole-body PET/CT.** *bioRxiv : the preprint server for biology*  
Nguyen, H. T., Das, N., Wang, Y., Ruvalcaba, C., Mehadji, B., Roncali, E., Chan, C. K., Pratz, G.

2023

- **Preclinical evaluation of  $^{89}\text{Zr}$ -Panitumumab for biology-guided radiotherapy.** *International journal of radiation oncology, biology, physics*  
Natarajan, A., Khan, S., Liang, X., Nguyen, H., Das, N., Anders, D., Malik, N., Oderinde, O. M., Chin, F., Rosenthal, E., Pratz, G.  
2023
- **Real-time optical oximetry during FLASH radiotherapy using a phosphorescent nanoprobe.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Ha, B., Liang, K., Liu, C., Melemenidis, S., Manjappa, R., Viswanathan, V., Das, N., Ashraf, R., Lau, B., Soto, L., Graves, E. E., Rao, J., Loo, et al  
2022