

# PARTHA NANDI

Assistant Professor (W.B.E.S.)  
Department of Physiology  
Government General Degree College at Lalgarh  
Jhargram, West Bengal

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## EDUCATION

M.Sc. in **Physiology (Gold Medalist)**, Burdwan University. *Special paper – Nutrition and Dietetics.*

## ACADEMIC ACCOLADES

Qualified WBCSC State Eligibility Test (SET) for Assistant Professor in Life Sciences.  
Qualified joint CSIR-UGC National Eligibility Test (NET) in Life Sciences.

## AREA OF TEACHING

Physiology, Biochemistry, Molecular Biology, Immunology, Nutrition and Dietetics, Community Health, Pharmacology

## RESEARCH WORK

Feb, 2015 – Oct, 2019 Pre-doctoral research work in the field of **Cancer Immunology** at **Chittaranjan National Cancer Institute, Kolkata.**

Areas of Specialization Cancer Immunology, Cell Biology, Microscopy

## PUBLICATIONS

### Research Articles

1. Ghosh T, **Nandi P**, Ganguly N, Guha I, Bhuniya A, Ghosh S, Saha A, Dasgupta S, Baral R and Bose A. NLGP counterbalances the immunosuppressive effect of tumor-associated mesenchymal stem cells to restore effector T cell functions. *Stem Cell Res Ther* (2019); **10:296**. doi: 10.1186/s13287-019-1349-z. PMCID: PMC6757425. PMID: 31547863. Journal ISSN: 1757-6512. **Impact Factor: 5.081**
2. Ghosh S, Juin S, **Nandi P**, Majumdar SB, Bose A, Baral R, Sil P and Majumdar S. PKC $\zeta$  mediated anti-proliferative effect of C2 ceramide on amelioration of the tumor microenvironment and melanoma regression. *Cancer Immunol Immun* (2020). doi: 10.1007/s00262-020-02492-0. PMID: 31996991. Journal ISSN: 0340-7004 (Print) 1432-0851 (Online). **Impact Factor: 6.968**
3. Bhuniya A, Guha I, Ganguly N, Saha A, Dasgupta S, **Nandi P**, Das A, Ghosh S, Ghosh T, Hauque E, Bose A, and Baral R. NLGP attenuates murine melanoma and carcinoma metastasis by modulating cytotoxic CD8<sup>+</sup> T cells. *Front Oncol* (2020); **10:201**. doi: 10.3389/fonc.2020.00201. PMID: 32211313; PMCID: PMC7076076. Journal ISSN: 2234-943X. **Impact Factor: 6.244**
4. Saha A, **Nandi P**, Dasgupta S, Bhuniya A, Ganguly N, Ghosh T, Guha I, Banerjee S, Baral R and Bose A. Neem Leaf Glycoprotein restrains VEGF production by direct modulation of HIF1 $\alpha$ -linked upstream and downstream cascades. *Front Oncol* (2020); **10:260**. doi: 10.3389/fonc.2020.00260. PMID: 32211322; PMCID: PMC7067891. Journal ISSN: 2234-943X. **Impact Factor: 6.244**
5. Guha I, Bhuniya A, Shukla D, Patidar A, **Nandi P**, Saha A, Dasgupta S, Ganguly N, Ghosh S, Nair A, Majumdar S, Saha B, Storkus WJ, Baral R, Bose A. Tumor Arrests DN2 to DN3 Pro T Cell Transition and Promotes Its Conversion to Thymic Dendritic Cells by Reciprocally Regulating Notch1 and Ikaros Signaling. *Front Immunol* (2020); **11:898**. doi: 10.3389/fimmu.2020.00898. PMID: 32582141; PMCID: PMC7292239. Journal ISSN: 1664-3224. **Impact Factor: 7.561**
6. Guha I, Bhuniya A, **Nandi P**, Dasgupta S, Sarkar A, Saha A, Das J, Ganguly N, Ghosh S, Ghosh T, Sarkar M, Ghosh S, Majumdar S, Baral R, Bose A. Neem leaf glycoprotein reverses tumor-induced and age-associated thymic involution to maintain peripheral CD8<sup>+</sup> T cell pool. *Immunotherapy* (2020); **12(11):799-818**. doi: 10.2217/imt-2019-0168. PMID: 32698648. Journal ISSN: 1750-743X (Print) 1750-7448 (Online). **Impact Factor: 4.196**
7. Ray D, Roy S, Panda P, **Nandi P**, Mukherjee S, Ghosh S. The leaf extracts of *Camellia sinensis* (green tea) ameliorate sodium fluoride-induced oxidative stress and testicular dysfunction in rats. *Asian Pac J Reprod* (2020); **9(6):267-274**. doi: 10.4103/2305-0500.298774. Journal ISSN: 23050500, 23050519. **Impact Factor: 1.48**
8. Dasgupta S, Ghosh T, Dhar J, Bhuniya A, **Nandi P**, Das A, Saha A, Das J, Guha I, Banerjee S, Chakravarti M, Dasgupta PS, Alam N, Chakrabarti J, Majumdar S, Chakrabarti P, Storkus WJ, Baral R, Bose A. RGS5-TGF $\beta$ -Smad2/3 axis switches pro- to anti-apoptotic signaling in tumor-residing pericytes, assisting tumor growth. *Cell Death Differ* (2021); **28(11):3052-3076**. doi: 10.1038/s41418-021-00801-3. PMID: 34012071; PMCID: PMC8564526. Journal ISSN: 1350-9047 (Print) 1476-5403 (Online). **Impact Factor: 15.828**

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### *Book Chapter*

1. **Nandi P\***, Roy S. Tumor Biology: An Introduction. In: "Cancer Diagnostics and Therapeutics: Current Trends, Challenges, and Future Perspectives" (Eds. S. K. Basu et al.), Chap 3, by **Springer Nature** Singapore Pte Ltd, Singapore, **2022** (1<sup>st</sup> ed.), pp. 43-55. DOI: 10.1007/978-981-16-4752-9\_3. **Print ISBN:** 978-981-16-4751-2. **Online ISBN:** 978-981-16-4752-9. (\*Corresponding author)

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## **CONFERENCES AND WORKSHOPS**

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### **CONFERENCES:**

#### Oral Presentation

**2018** "NLGP prevents tumor-induced homing of mesenchymal Stem cells in tumor-draining lymph nodes by down-regulating ERK-Akt-mediated CCR7 signaling in B16 melanoma" at XXX<sup>TH</sup> Annual Conference of The Physiological Society of India, PHYSICON 2018 on 22<sup>nd</sup> – 24<sup>th</sup> Nov 2018 at Department of Physiology, Serampore College, Serampore, West Bengal.

#### Poster Presentations

##### International Conference

**2018** Poster presentation on "NLGP prevents tumor-induced homing of mesenchymal Stem cells in tumor-draining lymph nodes by down-regulating ERK-Akt-mediated CCR7 signaling in B16 melanoma" at International Conference on Microscope & XXXIX Annual Meeting of Electron Microscope Society of India, on 18<sup>th</sup> – 20<sup>th</sup> July 2018 in Mayfair Convention Center, Bhubaneswar, Odisha.

##### National Conference

**2018** Poster presentation on "NLGP prevents tumor-induced homing of mesenchymal stem cells in tumor-draining lymph nodes by down-regulating ERK-Akt-mediated CCR7 signaling in B16 melanoma" at 37<sup>th</sup> Annual Conference of Indian Association of Cancer Research, on 23<sup>rd</sup> – 25<sup>th</sup> February, 2018 in Bose Institute, Kolkata. **Awarded for 'Best Poster'**

**2017** Poster presentation on "NLGP prevents tumor-induced homing of mesenchymal stem cells in tumor-draining lymph nodes with subsequent blocking in suppression of T cell priming" at 36<sup>th</sup> Annual Conference of Indian Association of Cancer Research, on 9<sup>th</sup> -11<sup>th</sup> February, 2017 in Amala Cancer Research Centre, Thrissur, Kerala.

### **WORKSHOPS:**

1. Participated in the pre-conference workshop entitled "**Light Microscopies and Live Cell Imaging**", jointly organized by Electron Microscope Society of India (EMSI) and National Institute of Science Education and Research (NISER), held during 16<sup>th</sup> – 17<sup>th</sup> July, 2018 at National Institute of Science Education and Research, Odisha, India.
  2. Participated in the "**BioScopy 2019**" Hands-on Microscopy Workshop co-organized by Indian Institute of Science Education and Research, Kolkata (IISER-K), Indian Association for the Cultivation of Science (IACS), Raman Research Institute (RRI), and Centre for Cellular and Molecular Platforms (C-CAMP) held during 17<sup>th</sup> – 20<sup>th</sup> March, 2019 at Indian Institute of Science Education and Research, Kolkata (IISER-K), India.
  3. Participated in the National Level Online Hands on Workshop entitled "**Computer Aided Drug Discovery**", organized by Athmic Biotech Solutions Pvt. Ltd, Kalliyoor, Thiruvananthapuram, Kerala, held during 16<sup>th</sup> – 18<sup>th</sup> July, 2020.
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## **PROFESSIONAL ACTIVITIES**

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- ❖ Member of different sub-committees (Routine, Admission, Examination, Cultural, NAAC and UGC affairs, IT Cell, Exam Cell, SC/ST/OBC & Minority Cell, Income Tax, Library, Anti-Ragging Cell) of Government General Degree College, Lalgah
  - ❖ Paper setters of various University at UG level
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## **AWARDS**

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- ❖ Burdwan University **Gold Medal** for securing the First rank in the M.Sc. Examination, 2013 in Physiology
  - ❖ **DST-INSPIRE** Fellowship, 2014 by Govt. of India
  - ❖ **Best Poster** Award in the 37th Annual Convention of Indian Association for Cancer Research
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## **LIFE MEMBER**

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- ❖ Indian Immunology Society (IIS)
  - ❖ Electron Microscope Society of India (EMSI)
  - ❖ Indian Association for Cancer Research (IACR)
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